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1 – Royalties: No ; 2 - Speakers Bureau: Yes Contracted by Medicrea. Have attended and presented at Lab and conference; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Medicrea contracted physician; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes orthalign, insight medical; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Cartilage; 9 - Serve on Board of Directors/Committee: Yes AO – Spine North America Faculty Member, SICOT International Chair Spine Section, SICOT Foundation Member, SRS Bylaws & Policies Committee, SRS Adult Deformity Committee Member SRS Bylaws and Policies Committee-Chair,

Evalina Burger
1 – Royalties: No ; 2 - Speakers Bureau: Yes Contracted by Medicrea. Have attended and presented at Lab and conference.; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Medicrea contracted physician; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes orthalign, insight medical; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Orthopedics Journal; 9 - Serve on Board of Directors/Committee: Yes AO - Spine North America Faculty Member, SICOT International Chair Spine Section, SICOT Foundation Member, SRS Bylaws & Policies Committee, SRS Adult Deformity Committee Member; SRS Bylaws and Policies Committee-Chair,

David Burr
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes AGnovos; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Journal of Orthopaedic Research; Current Osteoporosis Reports; Journal of Biomechanics; Journal of Neuronal and Musculoskeletal Interactions; Journal of Bone and Mineral Metabolism Journal of Bone and Mineral Research; BONE; Bone Reports; JBMR Plus; Actualizacion; 9 - Serve on Board of Directors/Committee: No

Björn Busse
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Donita Bylski-Austrow
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: Yes SpineForm LLC, small company set up by my employer CCHMC; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Journal of Foot and Ankle Surgery; 9 - Serve on Board of Directors/Committee: No

Jarrett Cain
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes I have served as a paid consultant to Zoetis to evaluate histological sections from a canine osteoarthritis study.; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Journal of Foot and Ankle Surgery; 9 - Serve on Board of Directors/Committee: No

Xu Cao
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes I have served as a paid consultant to Zoetis to evaluate histological sections from a canine osteoarthritis study.; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ;
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<td>- Support from Publisher: No; 7a - Company: No</td>
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<td>Kathryn Cheah</td>
<td>- Support from Publisher: No; 7a - Company: No</td>
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<td>- Support from Publisher: No; 7a - Company: No</td>
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<td>Grace P. Chao</td>
<td>- Support from Publisher: No; 7a - Company: No</td>
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<td>Julia Charles</td>
<td>- Support from Publisher: No; 7a - Company: No</td>
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<td>Jayasuriya Chathuraka</td>
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<td>Abhijit Chaudhari</td>
<td>- Support from Publisher: No; 7a - Company: No</td>
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<td>- Support from Publisher: No; 7a - Company: No</td>
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<td>Antonia Chen</td>
<td>- Support from Publisher: No; 7a - Company: No</td>
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Coleman, Mitchell

1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Journal of arthroplasty, KSSTA, BJJ 360, CORR; 9 - Serve on Board of Directors/Committee: Yes AAHKS, AAOS, MSIS

Blaine Christiansen

1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Editorial Board Member: Aging Cell; 9 - Serve on Board of Directors/Committee: No

Kazuhiro Chiba

1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: Yes NanoDe Therapeutics; 4 - Stock or Stock Options: Yes NanoDe Therapeutics; 5 - Research or Institutional Support: Yes Institutional Research Grant; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Spine: Editorial Board; Spine Surgery and Related Research (the official journal of Japanese Society for Spine Surgery and Related Research): Editor-in-Chief; 9 - Serve on Board of Directors/Committee: Yes International Society for the Study of the Lumbar Spine: Secretary; Cervical Spine Research Society Asia-Pacific section: Executive Board; Japanese Orthopaedic Association: Board; Japanese Society for Spine Surgery and Related Research: Executive Board Easte

Susanna G Chubinskaya

1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes ICRS; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7 - Financial/Material Support from Philippine Orthopaedic Association: Yes; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes

Coleman, Mitchell

1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7 - Financial/Material Support from Philippine Orthopaedic Association: Yes; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No
Roger Cornwall
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes Institutional research support from Scioderm for sponsor-initiated study of investigational cream for epidermolysis bullosa. Trial now concluded.; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes ORS Board, research committees of POSNA and ASSH.

Corr, David
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

J.J. Trey Crisco
1 – Royalties: Yes Extremity Medical, LLC; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Extremity Medical, LLC; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: Yes Extremity Medical, LLC; 8 - Serve on Editorial or Governing Board: Yes Journal of Biomechanics; 9 - Serve on Board of Directors/Committee: Yes ORS, Topic Chair

Micheal Cross
1 – Royalties: No ; 2 - Speakers Bureau: Yes Acelity - paid presenter or speaker
Flexion Therapeutics - paid presenter or speaker; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Acelity - paid consultant; DePuy, A Johnson & Johnson Company - paid consultant; Exactech, Inc. - paid consultant; Flexion Therapeutics - paid consultant; Intellijoint - paid consultant; Smith & Nephew - paid consultant; Zimmer - paid consultant; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Imagen - stock or stock options; Insight Medical - stock or stock options; Intellijoint - stock or stock options; Parvizi Surgical Innovation - stock or stock options; 5 - Research or Institutional Support: Yes Acelity - research support; Exactech, Inc - research support; Intellijoint - research support; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Bone and Joint Journal 360 - editorial or governing board; Journal of Orthopaedics and Traumatology - editorial or governing board; Techniques in Orthopaedics - editorial or governing board; 9 - Serve on Board of Directors/Committee: No

Magali Cucchiarini
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes J Exp Orthop; eCM; 9 - Serve on Board of Directors/Committee: No

Linda Dahlgren
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes GlaxoSmithKline; Pfizer; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Editorial board. Journal of equine veterinary science.; 9 - Serve on Board of Directors/Committee: No

Yifei Dai
1 – Royalties: Yes Exactech inc; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Marina D'Angelo
Richard Debski
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes I am co-founder of a faculty start-up company, ProteaPex Therapeutics. The company writes grants and has provided some funding to our lab as a result of our collaborative role on the grant; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Louis E DeFrate
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Jeroen DeGroot
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes Employee of Charles River Laboratories, a global contract research company.; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Agenus, Asit Biotech, AstraZeneca, Avantium, Calithera, Catabasis, Charles River, CRISPR Therapeutics, Denali, Galapagos, Genmab, Kiadis, Merus, Pharming, ProQR, RA Pharma, Trevena, Ultragenyx, Zalgen.; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Editorial board of JOR, AJSM, and J Biomech; 9 - Serve on Board of Directors/Committee: No

Kathleen Derwin
1 – Royalties: Yes Radio-opaque Tissue Marker (Viscus Biologics); 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Orthofix; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Agenus, Asit Biotech, AstraZeneca, Avantium, Calithera, Catabasis, Charles River, CRISPR Therapeutics, Denali, Galapagos, Genmab, Kiadis, Merus, Pharming, ProQR, RA Pharma, Trevena, Ultragenyx, Zalgen.; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes JBJS Board of Consulting Editors; 9 - Serve on Board of Directors/Committee: No

Mehul Dharia
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes I am a paid employee of Zimmer Biomet.; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes I own Zimmer Biomet stocks.; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Yufeng Dong
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Johnson and Johnson; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Matt Dressler
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes DePuy Synthes Joint Reconstruction; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Johnson and Johnson; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No
Lutz Duereslen
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes Research support by Orthox Ltd., Abingdon, UK; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Editorial board member of Journal of Biomedical Materials Research Part B; 9 - Serve on Board of Directors/Committee: Yes Basic science Committee, ESSKA

Nathaniel Dyment
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Edward Ebrahimzadeh
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes DePuy Synthes; Wright Medical,; Amgen; Arthrex; Monogram; Spinal Kinetics; NuVasive;; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes JBJS; JOR; JOT; 9 - Serve on Board of Directors/Committee: No

Brent Edwards
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

John Elias
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Jennifer Elissseff
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Arin Ellingston
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes I have a funded grant from Medtronic External Research Program to investigate imaging with their O-ARM system; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes I'm on the Editorial Board for Osteoarthritis& Cartilage; 9 - Serve on Board of Directors/Committee: Yes I'm on the executive committee of OARSI (I serve as Treasurer)

Martin Englund
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes I have a funded grant from Medtronic External Research Program to investigate imaging with their O-ARM system; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes I'm on the Editorial Board for Osteoarthritis& Cartilage; 9 - Serve on Board of Directors/Committee: Yes I'm on the executive committee of OARSI (I serve as Treasurer)

Hiroyuki Enomoto
1 – Royalties: No Employee of Eli Lily Japan KK; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes I am an employee of Eli Lily Japan KK; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes I have stocks of the Eli Lilly and
Motomi Enomoto-Iwamoto
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes I am an editorial board member of the American Journal of Pathology. My husband is an editorial member of Osteoarthritic and Cartilage.; 9 - Serve on Board of Directors/Committee: No

Denis Evseenko
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Associate Editor, JSES; 9 - Serve on Board of Directors/Committee: No

Paul Fanning
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Journal of Biomechanics; Clinical Biomechanics; CMBBE; European Cells & Materials; 9 - Serve on Board of Directors/Committee: No

Brian Feeley
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes DePuy Synthes, prosthesis kinematic study; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Journal of Biomechanics; Clinical Biomechanics; CMBBE; European Cells & Materials; 9 - Serve on Board of Directors/Committee: No

Cristin Ferguson
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes, Anika, Arthrex, Inc, DePuy, A Johnson & Johnson Company, Zimmer; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Associate Editor, JSES; 9 - Serve on Board of Directors/Committee: No

Stephen Ferguson
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes DePuy Synthes, prosthesis kinematic study; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Journal of Biomechanics; Clinical Biomechanics; CMBBE; European Cells & Materials; 9 - Serve on Board of Directors/Committee: No

Russell Fernandes
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes I am a co-founder and stock holder of Carthronix Inc.; 9 - Serve on Board of Directors/Committee: No

Aaron Fields
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes I am an editorial board member of the American Journal of Pathology. My husband is an editorial member of Osteoarthritic and Cartilage.; 9 - Serve on Board of Directors/Committee: No
Company: No ;7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ;7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes ORS spine section officer; ISSLS western US representative

David Findlay
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Matthew Fisher
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Clare Fitzpatrick
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Kharma Foucher
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Simon P Frostick
1 – Royalties: No ; 2 - Speakers Bureau: Yes Zimmer-Biomet and Lima; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Zimmer-Biomet and Lima; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes Zimmer-Biomet; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Journal of Orthopaedic Research; 9 - Serve on Board of Directors/Committee: No

Stefan Gabriel
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes Mitek; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Johnson & Johnson; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Joel Gagnier
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Johnson & Johnson; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

James Gallagher
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No
Jenna Galloway
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes My husband owns stock in Incyte.; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: ; 7b - Royalties, Financial/Material Support from Publisher: ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Laura W Gamer
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Bo Gao
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes Full time employee of Exactech.; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Owner of Exactech stocks/stock options.; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Michael Gardner
1 – Royalties: Yes DePuy-Synthes; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes DePuy-Synthes, Conventus, KCI, Stabiliz Ortho, Globus, SMV Scientific; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Conventus, Imagen Technologies; 5 - Research or Institutional Support: Yes Zimmer, Medtronic, SmartMedical Devices, SMV Scientific; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes J Orthop Trauma; 9 - Serve on Board of Directors/Committee: Yes OTA, AOA

Alison Gartland, Professor, PhD, BSc(Hons)
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Albert Gee
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes AOSSM and AAOS Committee Member

Damian Genetos
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Wife is Associate Editor for JOR; 9 - Serve on Board of Directors/Committee: No

Jessica Geotz
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes JOR associate editor; 9 - Serve on Board of Directors/Committee: No

Michelle Ghert
1 – Royalties: No ; 2 - Speakers Bureau: Yes Wright Medical; 3a - Paid Employee: No ; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Shaa Ghouse
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Peter Giannoudis
1 – Royalties: No ; 2 - Speakers Bureau: Yes Wright Medical, Medtronic, Smith & Nephew, Zimmer; 3a - Paid Employee: No ; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes, Biomet, Green Bone ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: Yes, Injury Journal ; 8 - Serve on Editorial or Governing Board: Yes, BMC Musculoskeletal Disorders Injury Journal Orthopaedic Trauma European Journal of Trauma Open Journal of Orthopaedics Expert Opinion on Drug Safety, Springer; 9 - Serve on Board of Directors/Committee: Yes, ESTROT, European Federation of National Associations of Orthopedics and Traumatology, Orthopaedic Trauma Association British Trauma Society British Orthopaedic Association

Vaida Glatt
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Mary Goldring
1 – Royalties: Yes Royalty from sale of Millipore Sigma Cell Lines; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Steven Goldring
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Sibylle Grad, PhD
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes ORS Spine Section Officer

Daniel Grande
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Ryan Gray
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Alexander Greene
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes Exactech; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Sarah Greising
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Zbigniew Gugala
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Texas Orthopaedic Journal; BioMed Research International; Case Reports in Orthopedics; 9 - Serve on Board of Directors/Committee: No

Farshid Guilak
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes Cytex Therapeutics Inc.; 3b - Paid Consultant: Yes, Abbvie; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Active Implants Corp., Cytex Therapeutics; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: Yes, Osteoarthritis and Cartilage Journal of Biomechanics; 8 - Serve on Editorial or Governing Board: Yes Osteoarthritis and Cartilage Journal of Biomechanics; 9 - Serve on Board of Directors/Committee: Yes Board member, Executive Committee of OREF, Orthopaedic Research Society

X Ed Guo
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Sean Haddock
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes current employee of Smith & Nephew, Inc; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Medtronic, Smith & Nephew; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Lisbet Haglund
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Globus, Acumed, Bioventus; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

David Hak
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Globus, Acumed, Bioventus; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No
Royalties, Financial/Material Support from Publisher: No;7 - Serve on Editorial or Governing Board: Yes J. Orthopedic Trauma, European Journal of Orthopedics, Sports and Trauma, Orthopedics; 9 - Serve on Board of Directors/Committee: No

Deborah Hall
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Wright Medical; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Wright Medical; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Moussa Hamadouche
1 – Royalties: Yes Medacta SA; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Medacta SA, Smith & Nephew, Aston Medical; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes Medacta SA; 7b - Royalties, Financial/Material Support from Publisher: Yes Medacta SA; 8 - Serve on Editorial or Governing Board: Yes Editorial board BMC Musculoskeletal disorders; 9 - Serve on Board of Directors/Committee: Yes SOFCOT

David Hamilton
1 – Royalties: No; 2 - Speakers Bureau: Yes Stryker; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Stryker; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Editorial board BMC Musculoskeletal disorders; 9 - Serve on Board of Directors/Committee: No

Kurt Hankenson
1 – Royalties: No; 2 - Speakers Bureau: Yes My wife has received an honorarium from Eli Lilly; 3a - Paid Employee: Yes My wife is a contract employee for Emergent; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Rockwell Medical; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Kurt Hankenson: JOR Editorial Board. Connective Tissue Research, Associate Editor. Journal Exp Ortho, Editorial Board. Wife (Claire Hankenson) JAALAS and Comparative Medicine; 9 - Serve on Board of Directors/Committee: Yes Kurt Hankenson: Chair, North American Veterinary Regenerative Medicine Association. Vice President, Advances in Mineral Metabolism. Claire Hankenson: Past-President ACLAM. Board, PRIM&R

Hirotaka Haro
1 – Royalties: No; 2 - Speakers Bureau: Yes Asahikasei Pharma Co.; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Asahikasei Pharma Co, Seikagaku Kogyo; 3c - Unpaid Consultant: Yes Medtronic Japan. B Braun; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No Journal of Orthopaedic Science; 9 - Serve on Board of Directors/Committee: Yes Journal of Orthopaedic Science

Matthew Harris
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Michael Harris
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

David Hart
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or
Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Michael Hast
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes DePuy Synthes, Integra LifeSciences, ZimmerBiomet; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Robert Hastings
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes full time employee of DePuy Synthes a Johnson & Johnson company.; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes as a full time employee of J&J I receive both stock and stock options.; 5 - Research or Institutional Support: Yes DePuy Synthes, Integra LifeSciences, ZimmerBiomet; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Dominik Haudenschild
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Tesio Pharmaceuticals, Inc; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Heath Henninger
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Patrick Henry
1 – Royalties: No ; 2 - Speakers Bureau: Yes ConMed; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes MTF ConMed; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Christopher Hernandez PhD
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes ORS Board of Directors fo 2018

Howard Hillstrom
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes JAK Tool for biomedical instrumentation design; Moximed for developing a white paper; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes, Motion Analysis; 5 - Research or Institutional Support: Yes Moximed; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes Gait and Clinical Movement Analysis Society, member at large

Caroline Hoemann
1 – Royalties: Yes my husband has been getting royalties (but not recently) for BST-CarGel paid to Ecole Polytechnique of Montreal, per their policy for inventor compensation; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: Yes I am on the Board of Directors of Ortho RTi, and up until Aug 25, 2018 held a research contract for a translational
research project in articular cartilage repair, which involved unpaid consulting.; 4 - Stock or Stock Options: Yes I hold stock in Ortho RTi and my husband Michael Buschmann owns stock in Ortho RTi.; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: Yes I serve on the editorial board of; The Open Orthopaedics Journal; Cartilage; 9 - Serve on Board of Directors/Committee: Yes I am a member of the Board of Directors of Ortho RTi; My husband Michael Buschmann is a member of the Board of Directors and Chief Scientific Officer of Ortho RTi

**David Hoey**
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes My wife works for bristol myers squib; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No Stocks in JnJ and; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

**MaCalus Hogan**
1 – Royalties: No ; 2 - Speakers Bureau: Yes, Miller Review Course; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: Yes, Foot and Ankle International ; 9 - Serve on Board of Directors/Committee: Yes AAOS Board of Special Societies, American Orthopaedic Foot and Ankle Society, J. Robert Gladden Society, Nth Dimensions Education Solutions, Inc

**Jason Horton**
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes, Nektar; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

**Ali Hosseini**
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes, Nektar; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

**Judith Hoyland**
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes, Nektar; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

**Erin Hsu**
1 – Royalties: Yes Stryker (spouse); 2 - Speakers Bureau: Yes Stryker (spouse); Medtronic (spouse); 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Stryker (spouse); Medtronic (spouse); Wright medical (spouse); 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Medtronic (self), institutional support, research grant; Wright medical (self, spouse), institutional support, research grant; 5 - Research or Institutional Support: Yes Medtronic (self), institutional support, research grant; Wright medical (self, spouse), institutional support, research grant; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes Stryker (spouse); 7b - Royalties, Financial/Material Support from Publisher: Yes Stryker (spouse);8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes; Lumbar spine research society (spouse)

**Alice Huang**
1 – Royalties: Yes ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes Jessica Gordon (sister) - Director, Illumina; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Jessica Gordon (sister) - Illumina stock and options; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No
James Iatridis PhD
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes JOR and JOR Spine Publication Advisory Board and Editorial board; Journal of Biomechanics, Journal of Biomechanical Engineering; The Spine Journal; 9 - Serve on Board of Directors/Committee: Yes ORS, ORS/PSRS Organizing Committee, ISSLS Scientific Representative

Anita Ignatius
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Svenja Illien-Junger
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Gun-IL Im
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Carl Imhauser
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Serkan Inceoglu
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Adreia Ionescu
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Hiromu Ito
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes BMS, Astellas, Asahi-Kasei; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Modern Rheumatology Case Report; 9 - Serve on Board of Directors/Committee: Yes Japanese Orthopaedic Association, Japan College of Rheumatology

Norimasa Iwasaki
Dennis Janssen, PhD
1 – Royalties: No; 2 - Speakers Bureau: No; 3a- Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Research support received from DePuy Synthes J&J, Aesculap AG, Invibio Ltd.; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Medicalview; 9 - Serve on Board of Directors/Committee: No

Iwona M Jasiuk, Ph.D.
1 – Royalties: No; 2 - Speakers Bureau: No; 3a- Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Royalties for the license of a patent to Osiris Therapeutics, Inc.; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Biomechanics Section Editor for Hip International; 9 - Serve on Board of Directors/Committee: No

Karl Jepsen
1 – Royalties: No; 2 - Speakers Bureau: No; 3a- Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Jean Jiang
1 – Royalties: No; 2 - Speakers Bureau: No; 3a- Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes, AlaMab Therapeutics; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Aaron Johnson
1 – Royalties: No; 2 - Speakers Bureau: No; 3a- Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Brian Johnstone
1 – Royalties: Yes Royalties for the license of a patent to Osiris Therapeutics, Inc.; 2 - Speakers Bureau: No; 3a- Paid Employee: No; 3b - Paid Consultant: Yes Consultant for Acumed; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Research grant from Orthofix; research grant from Medtronic; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes Royalties for the license of a patent to Osiris Therapeutics, Inc.; 7b - Royalties, Financial/Material Support from Publisher: Yes Royalties for the license of a patent to Osiris Therapeutics, Inc.; 8 - Serve on Editorial or Governing Board: Yes Editorial Board of European Cells and Materials, and Journal of Experimental Orthopaedics. Editorial review board of Journal of Orthopaedic Research; 9 - Serve on Board of Directors/Committee: No

Lynne Jones, PhD
1 – Royalties: No; 2 - Speakers Bureau: No; 3a- Paid Employee: No; 3b - Paid Consultant: Yes Zimmer Biomet - I am a paid consultant for a humanitarian program, Movement is Life Caucus, that is sponsored by Zimmer Biomet.; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Journal of Arthroplasty; Journal of Biomedical Materials Research A; 9 - Serve on Board of Directors/Committee: Yes Board, Rocky Mountain Bioengineering Symposium; Board, ARCO International Board, National Osteonecrosis Foundation Committee Chair, Committee for Under-represented Minorities, Aimbe
Bong-Jae Jun
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Natalia Juncosa-Melvin
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes I work for Surgical Energetics LLC, a medical device company.; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Takashi Kaito
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Nuvasive, Asahi-Kasei Pharma, Medtronic, B-Braun, Medacta; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Asahi-Kasei Pharma., Pip, Rhoto; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes Japanese spine and spinal cord research society; Japan scoliosis society; Scoliosis Research Society (SRS); Japan Spinal Instrumentation Society; Japan Low Back Pain Society; Cervical Spine Research Society Asia Pacific

Rita Kandel
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Member, Editorial Board, Journal of Experimental Orthopedics and Associate Editor, Cartilage; 9 - Serve on Board of Directors/Committee: Yes Board Member, Osteoarthritis Research Society International

Mehran Kasra
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Daniel Kelly
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Johnson & Johnson Services, Inc. fund a research project in my lab.; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Do-Gyoon Kim
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Research grant from Zimmer-Biomet; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Donald Kimmel
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or
Catherine Kuo, PhD
Young-Min Kwon
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes My lab has completed a research project with assistance from Arthrex.; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Spencer Lake
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes My lab has completed a research project with assistance from Arthrex.; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Joseph Lane
1 – Royalties: No ; 2 - Speakers Bureau: Yes Radius, Inc.; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes On Foundation, Radius, Inc.; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes CollPlant, Inc. - Stock Options; 5 - Research or Institutional Support: Yes Novartis, Merck; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Drew Lansdown
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes I am founder and CEO of STEL Technologies, LLC a regenerative medicine company fabricating tissues for musculoskeletal repair.; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Lisa Larkin
Date of Disclosure: 8/2/2018
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes I am founder and CEO of STEL Technologies, LLC a regenerative medicine company fabricating tissues for musculoskeletal repair.; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Mario Lamontagne
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes, Joint restoration Foundation, Samumed, Vericel; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: Yes, CartilageJ Sports PhysiologyThe KneeOrthopaedic Journal of Sports Medicine ; 9 - Serve on Board of Directors/Committee: Yes

Christian Lattermann
Date of Disclosure: 08/09/20181 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes, Joint restoration Foundation, Samumed, Vericel; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes, Cocoon; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: Yes, CartilageJ Sports PhysiologyThe KneeOrthopaedic Journal of Sports Medicine ; 9 - Serve on Board of Directors/Committee: Yes, International Cartilage repair Society, International Cartilage Repair SocietyGerman-speaking Arthroscopy Society (AGA)
Thomas Laumannier
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Michel Laurent
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Zimmer Biomet Holdings, Inc. Bristol-Myers Squibb; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

William Ledoux
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Chang Lee
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Oscar Lee
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes The International Society for Cellular Therapy

Wayne Lee
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Michael Lehmke
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes I am a paid employee of Depuy Synthes (J&J); 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes I own stock in J&J and Stryker; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Jessica Lehoczky
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Christine LeMaitre
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No
Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes Society for Back Pain Research Secretary, Chair of DISCs

**Gayle Lester**

Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

**Philipp Leucht**

1 – Royalties: No ; 2 - Speakers Bureau: Yes Deputy Synthes; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Zimmer Biomet, Depuy Synthes; Stryker; Ankara Regenerative Therapeutics; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Ankara Regenerative Therapeutics; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Advisory Review Board, JOR Spine; Editorial board, Stem Cell and Translational Investigation; Editorial board, Journal of Orthopaedic Surgery; Editorial board, Annals of Orthopedics & Rheumatology; 9 - Serve on Board of Directors/Committee: No

**Victor Leung**

1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: Yes Scientific Advisor, Novus Life Sciences; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes AAOS OTA

**Benjamin Levi**

1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

**Cara Lewis**

1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

**Karl Lewis P.h.D.**

1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

**Gang Li**

1 – Royalties: Yes I receive royalties from Stryker/Mako, Medical; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes I received research fund from K2M through my hospital.; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

**Guoan Li**

1 – Royalties: Yes I receive royalties from Stryker/Mako, Medical; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes I received research fund from K2M through my hospital.; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No
Hongshuai Li
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Jiliang Li
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: Yes; 9 - Serve on Board of Directors/Committee: No

Wan-Ju Li
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: Yes; Plos One; Genes & Diseases; Regenerative Engineering and Translational Medicine; Formosan Journal of Musculoskeletal Disorders; 9 - Serve on Board of Directors/Committee: No

Xinling Li
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Zong-Ming Li
1 – Royalties: Yes I am a chief scientific officer of Sohn Inc, and own equity of the company. The company has not generated any form of revenue, and I have not received any form of compensation since the company formation. The project described in this IRB documents is unrelated to the Sohn Inc.; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: Yes (19) Journal of Orthopaedic Translation (JOT), Member of Editorial Board, 2015; 9 - Serve on Board of Directors/Committee: Yes Chair, Board of Directors, Hand and Wrist Biomechanics International (HWBI)

Xudong Li
1 – Royalties: Yes Stryker; 3a - Paid Employee: Yes United Orthopedic Company; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Stryker; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: Yes Young Investigator Editorial Board of the journal *Regenerative Engineering and Translational Medicine; 9 - Serve on Board of Directors/Committee: No

Sally LiArno
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes Stryker; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Stryker; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes Taiwanese Biomechanics Society

Chia-Ying Lin

*Regenerative Engineering and Translational Medicine; 9 - Serve on Board of Directors/Committee: No

Jiann-Jong Liau
1 – Royalties: Yes United Orthopedic Company; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes Taiwanese Biomechanics Society
Hang Lin
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Alan Litsky
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: Yes; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes; 6 - Financial or Material Support from Pharmaceutical or Company: Yes; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes; 7b - Royalties, Financial/Material Support from Publisher: Yes; 8 - Serve on Editorial or Governing Board: Yes; 9 - Serve on Board of Directors/Committee: Yes

Christopher Little
1 – Royalties: Yes; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Consultant to Galapagos Pharmaceutica; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes; 6 - Financial or Material Support from Pharmaceutical or Company: Yes; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes; 7b - Royalties, Financial/Material Support from Publisher: Yes; 8 - Serve on Editorial or Governing Board: Yes; 9 - Serve on Board of Directors/Committee: Yes

Diane Little
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Cheryl (Xiangiy) Liu
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes Stryker; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

X. Sherry Liu
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes

Chuanju Liu
1 – Royalties: Yes; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: Yes; 4 - Stock or Stock Options: Yes; 5 - Research or Institutional Support: Yes; 6 - Financial or Material Support from Pharmaceutical or Company: Yes; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes; 7b - Royalties, Financial/Material Support from Publisher: Yes; 8 - Serve on Editorial or Governing Board: Yes; 9 - Serve on Board of Directors/Committee: Yes
Husband is an unpaid consultant for Shire. He retired in March 2018 and is acting as an unpaid consultant until a paper is published.

Karen Lyons
1 – Royalties: No; 2 – Speakers Bureau: No; 3a – Paid Employee: No; 3b – Paid Consultant: No; 3c – Unpaid Consultant: No; 4 – Stock or Stock Options: No; 5 – Research or Institutional Support: No; 6 – Financial or Material Support from Pharmaceutical or Company: No; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b – Royalties, Financial/Material Support from Publisher: No; 8 – Serve on Editorial or Governing Board: No; 9 – Serve on Board of Directors/Committee: No

Viola Logel
1 – Royalties: No; 2 – Speakers Bureau: No; 3a – Paid Employee: No; 3b – Paid Consultant: No; 3c – Unpaid Consultant: No; 4 – Stock or Stock Options: No; 5 – Research or Institutional Support: No; 6 – Financial or Material Support from Pharmaceutical or Company: No; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b – Royalties, Financial/Material Support from Publisher: No; 8 – Serve on Editorial or Governing Board: Yes Editorial Board- Scientific Reports; 9 – Serve on Board of Directors/Committee: No

Alayna Loiselle
1 – Royalties: No; 2 – Speakers Bureau: No; 3a – Paid Employee: No; 3b – Paid Consultant: No; 3c – Unpaid Consultant: No; 4 – Stock or Stock Options: No; 5 – Research or Institutional Support: No; 6 – Financial or Material Support from Pharmaceutical or Company: No; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b – Royalties, Financial/Material Support from Publisher: No; 8 – Serve on Editorial or Governing Board: No; 9 – Serve on Board of Directors/Committee: No

Gabriela Loots
1 – Royalties: No; 2 – Speakers Bureau: No; 3a – Paid Employee: No; 3b – Paid Consultant: No; 3c – Unpaid Consultant: No; 4 – Stock or Stock Options: No; 5 – Research or Institutional Support: No; 6 – Financial or Material Support from Pharmaceutical or Company: No; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b – Royalties, Financial/Material Support from Publisher: No; 8 – Serve on Editorial or Governing Board: No; 9 – Serve on Board of Directors/Committee: No

Thomas Lozito
1 – Royalties: No; 2 – Speakers Bureau: No; 3a – Paid Employee: No; 3b – Paid Consultant: No; 3c – Unpaid Consultant: No; 4 – Stock or Stock Options: No; 5 – Research or Institutional Support: No; 6 – Financial or Material Support from Pharmaceutical or Company: No; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b – Royalties, Financial/Material Support from Publisher: No; 8 – Serve on Editorial or Governing Board: No; 9 – Serve on Board of Directors/Committee: No

Aiping Lu
1 – Royalties: No; 2 – Speakers Bureau: No; 3a – Paid Employee: No; 3b – Paid Consultant: No; 3c – Unpaid Consultant: No; 4 – Stock or Stock Options: No; 5 – Research or Institutional Support: No; 6 – Financial or Material Support from Pharmaceutical or Company: No; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b – Royalties, Financial/Material Support from Publisher: No; 8 – Serve on Editorial or Governing Board: No; 9 – Serve on Board of Directors/Committee: No

Hongbin Lu
1 – Royalties: No; 2 – Speakers Bureau: No; 3a – Paid Employee: No; 3b – Paid Consultant: No; 3c – Unpaid Consultant: No; 4 – Stock or Stock Options: No; 5 – Research or Institutional Support: No; 6 – Financial or Material Support from Pharmaceutical or Company: No; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b – Royalties, Financial/Material Support from Publisher: No; 8 – Serve on Editorial or Governing Board: Yes Journal of Biomechanics; 9 – Serve on Board of Directors/Committee: No

Hannah Lundberg
1 – Royalties: No; 2 – Speakers Bureau: No; 3a – Paid Employee: No; 3b – Paid Consultant: No; 3c – Unpaid Consultant: No; 4 – Stock or Stock Options: No; 5 – Research or Institutional Support: No; 6 – Financial or Material Support from Pharmaceutical or Company: No; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b – Royalties, Financial/Material Support from Publisher: No; 8 – Serve on Editorial or Governing Board: Yes Journal of Biomechanics; 9 – Serve on Board of Directors/Committee: No

Karen Lyons
1 – Royalties: No; 2 – Speakers Bureau: No; 3a – Paid Employee: No; 3b – Paid Consultant: No; 3c – Unpaid Consultant: No; 4 – Husband is an unpaid consultant for Shire. He retired in March 2018 and is acting as an unpaid consultant until a paper is published.
- Stock or Stock Options: Yes Husband has stock options in Baxter and in Shire. He is a former employee of both companies.; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: Yes Husband receives a pension fro Shire.; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Editorial board for JOR; 9 - Serve on Board of Directors/Committee: No

**Benjamin Ma**

**Henning Madry**
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes, Fidia, Italy; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7 - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes, Journal of Experimental Orthopaedics; 9 - Serve on Board of Directors/Committee: No

**Suzanne A Maher, PhD**
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Equity holder Agility Biomechanics; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

**Anne-Marie Malfait**
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Eli Lilly/Pfizer; Galapagos; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes Research Grant from Galapagos N.V.; 6 - Financial or Material Support from Pharmaceutical or Company: No Research Grant from Galapagos N.V.; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes; Associate Editor Osteoarthritis and Cartilage; Associate Editor Arthritis and Rheumatology; 9 - Serve on Board of Directors/Committee: Yes Board of Directors, Rheumatology Research Foundation; Board of Directors, OARSI Chair, Committee on Research, American College of Rheumatology

**Mathew T Mathew**
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

**Gloria L Matthews**
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes Mimedx Corporation; 3b - Paid Consultant: Yes HistoGenics Corporation; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Mimedx Corporation; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes Medical Technology Enterprise Consortium

**Robert Mauck**
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes I am co-Editor-in-Chief of JOR Spine.; 9 - Serve on Board of Directors/Committee: No

**Daniel F McDonald**
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes; Associate Editor Osteoarthritis and Cartilage; Associate Editor Arthritis and Rheumatology; 9 - Serve on Board of Directors/Committee: No
Support from Publisher: No;8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes ORS, at-large member, 2018-2020

**James Michelson**

- Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Journal of Orthopaedic Research; Journal of Orthopaedic Surgery and Research; 9 - Serve on Board of Directors/Committee: No

**Gretchen Meyer**

- Editorial Board: Journal of Applied Physiology; 9 - Serve on Board of Directors/Committee: No

**Christopher Mendias**

- Support from Pharmaceutical or Company: No; 7a - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Associate Editor: Translational Sports Medicine Editorial Board: Journal of Applied Physiology; 9 - Serve on Board of Directors/Committee: No

**Gerd Melkus**

- Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

**Alex McLaren**

- Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

**Laoise McNamara**

- Serve on Board of Directors/Committee: Yes I am on the Board of Directors for Sonoran Biosciences

**Amy McNulty, PhD**

- Serve on Board of Directors/Committee: No

**James Michelson**
Neal Miller
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Lloyd Miller
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Stryker
Novartis; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Causeway Therapeutics; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Journal of Orthopaedic Trauma; 9 - Serve on Board of Directors/Committee: Yes, Scientific Advisory Board: Intergrated BioTherapeutics

Mark Miller
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes, Noveome Biotherapeutics; 5 - Research or Institutional Support: Yes, MedImmune (a division of AstraZeneca), Pfizer, Moderna Therapeutics, Regeneron Pharmaceuticals, Integrated Biotherapeutics, Boehringer Ingelheim; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Journal of Orthopaedic Trauma; 9 - Serve on Board of Directors/Committee: Yes

Piers Milner
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Journal of Orthopaedic Trauma; 9 - Serve on Board of Directors/Committee: No

Megan Moran
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Michael Morlock
Date of Disclosure: 8/2/2018
1 – Royalties: No ; 2 - Speakers Bureau: Yes Speakers bureau for Zimmer, DePuy, Aesculap, Ceramtec, Peter Brehm; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Consultant for DePuy Synthes; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes PhD student support by: Phillips; DePuy; Ceramtec; BSN Medical; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Berufskrankheit (Springer); 9 - Serve on Board of Directors/Committee: Yes Executive Committee of the EPRD (GermaÁ’n ARthroplasty Register)

Mark Morrison
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes Employee of Smith & Nephew; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Own Smith & Nephew stock; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Issac Moss
Xiaodong Mu
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes

Annegret Muendermann
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes my husband works at R&D at Karl Storz Endoskope; 3b - Paid Consultant: Yes, Meda Pharma GmbH, scientific consultant on study design; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes, Meda Pharma GmbH, investigator initiated research project, the company is not involved with any aspect of the study; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Yusuke Nakagawa
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes I am the secretary general of the German Society of Biomechanics

Aaron Nauth
1 – Royalties: No; 2 - Speakers Bureau: Yes, Smith & Nephew, Stryker; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes, Capital Sports Entertainment, Sonoma Orthopaedics, Synthes, Stryker; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes, Orthopaedic Trauma Association

Aniruddh Nayak
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes, Capital Sports Entertainment, Sonoma Orthopaedics, Synthes, Stryker; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Ara Nazarian
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Fred Nelson
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes The Open Orthopaedics Journal; 9 - Serve on Board of Directors/Committee: No

Valentina Ngai
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes, The Spine Institute; 9 - Serve on Board of Directors/Committee: No

German Society of Biomechanics
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes
Jennifer Nichols
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Glen Niebur
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Stock in Johnson & Johnson; 5 - Research or Institutional Support: Yes DePuy Synthes research grant; 6 - Financial or Material Support from Pharmaceutical or Company: Yes, Zimmer; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Current Osteoporosis Reports; Journal of Biomechanics; Computer Methods in Biomechanics and Biomedical Engineering; 9 - Serve on Board of Directors/Committee: No

James Ninomiya
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes, Zimmer; 6 - Financial or Material Support from Pharmaceutical or Company: Yes, Cimphoni Life Sciences, LLC; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes, Stryker, Zimmer; 7b - Royalties, Financial/Material Support from Publisher: Yes, Springer; 8 - Serve on Editorial or Governing Board: Yes Journal of Arthroplasty, Knee Society; 9 - Serve on Board of Directors/Committee: Yes, Society of Military Orthopaedic Surgeons

Philip Noble
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes, Zimmer; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes, Joint View, LLC; 5 - Research or Institutional Support: Yes, CeramTech, DJ Orthopaedics, Microport, Smith & Nephew, Musculoskeletal Transplant Foundation, Zimmer; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes, Stryker, Zimmer; 7b - Royalties, Financial/Material Support from Publisher: Yes, Springer; 8 - Serve on Editorial or Governing Board: Yes Journal of Arthroplasty, Knee Society; 9 - Serve on Board of Directors/Committee: Yes, International Society for Technology in Arthroplasty, Knee Society

Syam Nukavarapu
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes, DePuy Synthes; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Jeffry Nyman
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: Yes I serve on the Scientific Advisory Board of ActiveLife Scientific, Inc. without compensation. This company makes the OsteoProbe and the BioDent, two micro-indentation devices capable of testing a patient's bone.; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes My lab analyzes mouse femurs by micro-computed tomography and biomechanics for Safoni Genzyme on a fee-for-service basis. The money goes to my department, and then is used to pay for CORE fees, service contracts, labor, travel to conferences, and lab outi; 6 - Financial or Material Support from Pharmaceutical or Company: No ActiveLife Scientific, Inc. has loaned their micro-indentation instrument, the OsteoProbe, to my lab for several research projects.; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes ActiveLife Scientific, Inc. has loaned their micro-indentation instrument, the OsteoProbe, to my lab for several research projects.; 7b - Royalties, Financial/Material Support from Publisher: Yes ActiveLife Scientific, Inc. has loaned their micro-indentation instrument, the OsteoProbe, to my lab for several research projects.; 8 - Serve on Editorial or Governing Board: Yes I serve on the editorial board of the following journals: Bone, Clinical Reviews in Bone and Mineral Metabolism, and soon Journal of Bone and Mineral Research and JBMR Plus.; 9 - Serve on Board of Directors/Committee: No

Grace O’Connell
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or...
Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Advisory Editorial Board for JOR Spine.; 9 - Serve on Board of Directors/Committee: No

J. Patrick O'Connor
1 – Royalties: Yes I receive a licensing fee distribution from Rutgers for intellectual property licensed from Rutgers to CreOss, LLC. The intellectual property relates to use of insulin mimetic metals for orthopaedic applications.; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes I own a minority interest in Accelalox Inc., which is developing use of 5-LO inhibitors to promote bone healing.; 5 - Research or Institutional Support: Yes I currently have research contracts, administered through Rutgers, from CreOss LLC and Bayer Pharmaceuticals.; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes I am on the Editorial Review Board for JOR.; 9 - Serve on Board of Directors/Committee: Yes I am on the Board of Directors for Accelalox Inc.

Megan Oest
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Regis O'Keefe
1 – Royalties: Yes Fate Therapeutics; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Editorial Board of Bone; 9 - Serve on Board of Directors/Committee: Yes President, American Orthopaedic Association

Rema Oliver
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Steven Olson
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes, Orthopaedic Trauma Association

Donna Pacicca
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes member of ORS Advocacy Committee

Jukka Pajarinen
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Shantanu Patil
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Karin Payne
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes Spouse is an employee of Taiga Biotechnologies, Inc. (not related to orthopedics); 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Spouse - Pfizer stocks; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes ORS, Chair of Advocacy Committee

Ming Pei
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Frank Petrigliano
1 – Royalties: No; 2 - Speakers Bureau: Yes Speaker Bureau Stryker Orthopaedics; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Consultant - Stryker Orthopaedics; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Roman Pfeifer
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Ferris Pfeiffer
1 – Royalties: Yes Royalties from Arthrex for a licensed technology; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Spouse is member of scientific advisory board - Smith & Nephew; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes Royalties from Arthrex; 7b - Royalties, Financial/Material Support from Publisher: Yes Royalties from Arthrex; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Robert Pilliar
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes member - scientific advisory board - Smith & Nephew; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Ryan Porter
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Robin Pourzal
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No
Christopher Price
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Ling Qin
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Exactech; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Exactech; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Journal of Arthroplasty; Journal of Orthopedic Research; World Journal of Orthopaedics; 9 - Serve on Board of Directors/Committee: Yes ARCO; VOS

Cui Quanjun
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes DonJoy; 3c - Unpaid Consultant: Yes; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes DonJoy; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes JOR; Foot and Ankle International; 9 - Serve on Board of Directors/Committee: Yes American Society of Biomechanics; American College of Sports Medicine; American Academy of Orthopedic Surgery; Orthopedic Research Society; Biomedical Engineering Society

Robin Queen
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Exactech; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes JOR; Foot and Ankle International; 9 - Serve on Board of Directors/Committee: Yes American Society of Biomechanics; American College of Sports Medicine; American Academy of Orthopedic Surgery; Orthopedic Research Society; Biomedical Engineering Society

Muhammad Rai
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Michael Rainbow
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes, Not direct support but partners on EU funded H2020 projects where these companies are also partner and obtain part of the funding while providing in kind support. Project: nanosurf - company Osteoplant RandD Project: SPINNER - companies Aesculap, Finceramica, Ansys, Adagos; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes International Editorial Review Board: eCells and Materials. Review Editor: Frontiers in Bioengineering. Editorial Board of Applied Biosciences and Bioengineering section in Journal Applied Sciences (mdpi); 9 - Serve on Board of Directors/Committee: No

Markus Randolph
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Gwenn Reilly
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes, Not direct support but partners on EU funded H2020 projects where these companies are also partner and obtain part of the funding while providing in kind support. Project: nanosurf - company Osteoplant RandD Project: SPINNER - companies Aesculap, Finceramica, Ansys, Adagos; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes International Editorial Review Board: eCells and Materials. Review Editor: Frontiers in Bioengineering. Editorial Board of Applied Biosciences and Bioengineering section in Journal Applied Sciences (mdpi); 9 - Serve on Board of Directors/Committee: No
Katherine Reuther
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: Yes
Syntegrity Biomedical; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Stephen Richardson
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes

Ryan Riddle
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes; 9 - Serve on Board of Directors/Committee: No

Claude Rieker
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes Zimmer Biomet; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Zimmer Biomet; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes

Makarand Risbud
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Christopher Roche
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes Exactech, Inc (Gainesville, FL); 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Exactech, Inc (Gainesville, FL); 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Scott Rodeo
1 – Royalties: No; 2 - Speakers Bureau: Yes Novartis-consulting meeting
Flexion Therapeutics; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Flexion Therapeutics; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Scott Rodeo-Associate Editor, American Journal of Sports Medicine; 9 - Serve on Board of Directors/Committee: No

Bernd Rolauffs
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Consultant for TETEC, Germany's leading Company for cell-based cartilage products. However, i declare that there is no conflict of interest, as the chosen review topics are unrelated to my consultancy.; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes
Joshua Roth
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes Exactech, Inc (Gainesville, FL); 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes Exactech, Inc (Gainesville, FL); 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes, Orthopaedic Research Society

James Ryaby
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes I am a full-time employee of Orthofix - Chief Scientific Officer - and I have been asked to be on the ISFR Task Force; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes I own stock and stock options in Orthofix.; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Jonathan Rylander
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Simo Saarakkala
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes - Editorial Board Member of Lekar a technika Clinician and Technology (ISSN: 0301-5491, http://ctj.fbmj.cvut.cz); Editorial Board Member of Applied Spectroscopy Reviews (ISSN: 0570-4928, www.tandfonline.com/toc/laps2/current); Editorial Board Mem; 9 - Serve on Board of Directors/Committee: No

Robert Sah
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: Yes, Medtronic, Johnson&Johnson, GlaxoSmithKline; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes - Editorial Board Member of Cartilage, Osteoarthritis & Cartilage, Journal of Orthopaedic Research; 9 - Serve on Board of Directors/Committee: Yes Orthopaedic Research Society

Daisuke Sakai
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Hideyuki Sakoda
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Christina Salas
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No
Sophia Sangiorgio
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Spinal Kinetics; Wright Medical; Depuy Orthopaedics; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Journal of Applied Biomaterials and Functional Materials; 9 - Serve on Board of Directors/Committee: No

Uma Sankar
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Masato Sato
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: Yes a member of Scientific Advisory Board of CellSeed, Inc. in Japan; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes I receive Research fundings from CellSeed, Inc., and KAKEN PHARMACEUTICAL CO., LTD.; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes I serve on the Board of Directors of The Japanese Society of Cartilage Metabolism, The Japan Society for Laser Surgery and Medicine, and The Japanese Society for Matrix Biology and Medicine.

Mara Schenker
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Miami Device Solutions; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes I receive Research fundings from CellSeed, Inc., and KAKEN PHARMACEUTICAL CO., LTD.; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Nathan Schiele
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Tannin Schmidt
1 – Royalties: Yes I receive royalties from UCSD for IP related to recombinant human PRG4. While this IP is related to ophthalmic use, it has been studied in orthopaedic applications; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Paid consultant for Lubris BioPharma; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Own stock in Lubris BioPharma; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes I have received funds, based on stock ownership, from Lubris BioPharma; 7b - Royalties, Financial/Material Support from Publisher: Yes I have received funds, based on stock ownership, from Lubris BioPharma; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Edward M Schwarz, PhD
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes I am a paid consultant for Asahi Kasei Pharma Corporation, GlaxoSmithKline Inc. and Smith & Nephew Inc.; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes I own stock in LAGeT Inc. and Telephus Biomedical, LLC; 5 - Research or Institutional Support: Yes I have received grants from DePuy-Synthes J&J, Jansen J&J and Amedica Inc.; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes I'm a Section Editor of Arthritis Research & Therapy; 9 - Serve on Board of Directors/Committee: Yes I'm a Board member of the Orthopedic Research Society

Blanka Sharma
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<td>No; 6 Financial or Material Support from Pharmaceutical or Company: No; 7a Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b Royalties, Financial/Material Support from Publisher: No; 8 Serve on Editorial or Governing Board: No; 9 Serve on Board of Directors/Committee: No</td>
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<td>No; 3c Unpaid Consultant: No; 4</td>
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<td>No; 3b</td>
<td>No; 3c Unpaid Consultant: No; 4</td>
<td>Yes Johnson and Johnson; Pfizer; Merck; Colgate Palmolive; 5 Research or Institutional Support: Yes Institutional Support, participant in clinical trial, Johnson and Johnson; 6 Financial or Material Support from Pharmaceutical or Company: No; 7a Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b Royalties, Financial/Material Support from Publisher: No; 8 Serve on Editorial or Governing Board: Yes Associate Editor- Journal of Applied Biomechanics; 9 Serve on Board of Directors/Committee: No</td>
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<tr>
<td>Harvey Smith</td>
<td>No; 2</td>
<td>Yes Stock: Johnson and Johnson; Pfizer; Merck; Colgate Palmolive; 5 Research or Institutional Support: Yes Institutional Support, participant in clinical trial, Johnson and Johnson; 6 Financial or Material Support from Pharmaceutical or Company: No; 7a Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b Royalties, Financial/Material Support from Publisher: No; 8 Serve on Editorial or Governing Board: Yes European Spine Journal; 9 Serve on Board of Directors/Committee: No</td>
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<td>No; 5 Financial or Material Support from Pharmaceutical or Company: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b Royalties, Financial/Material Support from Publisher: No; 8 Serve on Editorial or Governing Board: No; 9 Serve on Board of Directors/Committee: No</td>
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Margaret Smith
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes on board of American Journal of Sports Medicine; 9 - Serve on Board of Directors/Committee: No

Jess Snedeker
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes ZurimiED AG; Prognosyst AG; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Lin Song
1 – Royalties: No Stryker Orthopaedics; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes Stryker Orthopaedics; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Stryker Orthopaedics; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: Yes Stryker Orthopaedics; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Yongnam Song
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Amber Stern
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Matthew Stewart
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Veterinary Comparative Orthopedics and Traumatology European Cells and Materials; 9 - Serve on Board of Directors/Committee: No

Filip Stockmans
1 – Royalties: Yes Materialise Stock
Patent holder Loci Orthopedics; 2 - Speakers Bureau: Yes Advisor Stryker international; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Advisor Stryker international; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Advisor Stryker international; 5 - Research or Institutional Support: Yes Materialise; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes ASSH Research committee

Martin Stoddart
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Kolon Biosciences in 2016; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b -
Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: Yes, Orthopaedic Research Society

Aaron Stoker
1 – Royalties: Yes Arthrex Inc., Musculoskeletal Transplant Foundation; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Rick Sumner
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes Roche Diagnostics (loan of instrument, gift of reagents); 6 - Financial or Material Support from Pharmaceutical or Company: Yes Amgen-UBC (gift of sclerostin antibody); 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Journal of Neuronal Musculoskeletal Interactions; 9 - Serve on Board of Directors/Committee: Yes Orthopaedic Research Society (past-president); American Association of Anatomists (president-elect); International Society for Bone Morphometry (president); Association of Anatomy Cell Biology and Neurobiology Chairs (secretary-treasurer); International Federation of Musculoskeletal Research Societies (secretary)

Hui (Herb) Sun
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Viswanathan Swaminathan
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes Employee of Stryker Orthopaedics; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Suzanne Tabbaa
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: Yes NuVasive, Inc, Inndvior ; 3b - Paid Consultant: Yes JFR Ortho ; 3c - Unpaid Consultant: Yes JRO Arthro ; 4 - Stock or Stock Options: Yes NuVasive, Inc. Indivior; No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Michiaki Takagi
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Yasunobu Tamaki
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Simon Tang
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: Yes Uncompensated scientific advisory board member of Active Life Scientific.; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No
Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

**TingTing Tang**
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes, Journal of Bone and Mineral Research (JBMR), Member of Editorial Board, Associate Editor & Section Editor (Biomaterials), Journal of Orthopaedic Translation, Bone Research, Associate editor in chief; 9 - Serve on Board of Directors/Committee: Yes, President of ICMRS, International Chinese Musculoskeletal Research Society

**Kenneth Taylor**
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes American Academy of Orthopaedic Surgeons; Education Assessments and Examinations Committee; American Society for Surgery of the Hand; Military Relations Committee; Adrian E. Flatt Residents and Fellows Conference Committee; Volunteer Services Com

**Matthew Teeter**
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes IdealFit Spacer Technologies, PersaFix Revision Technologies, SoloSpine; 5 - Research or Institutional Support: Yes unrestricted research funds from Mimedx, a supplier of amnion-based biomaterials used in orthopaedic and other applications; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: Yes International Society for Technology in Arthroplasty

**Johnna Temenoff**
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes unrestricted research funds from Inozyme Pharma; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes editorial board of JOR; 9 - Serve on Board of Directors/Committee: No

**Yoshinori Terashima**
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes approved protocol.; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

**Steve Tommassini**
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes 5% effort from Inozyme Pharma; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

**Jeffrey Toth**
1 - Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Institutional Research Support to the Medical College of Wisconsin received from Medtronic.; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

**Francesco Travascio**
1 – Royalties: No ; 2 – Speakers Bureau: No ; 3a – Paid Employee: No ; 3b – Paid Consultant: No ; 3c – Unpaid Consultant: No ; 4 – Stock or Stock Options: No ; 5 – Research or Institutional Support: Yes I receive funds from Arthrex, Inc. to perform a study on the potential advantage in using Stimublast in surgeries for ACL reconstruction.; 6 – Financial or Material Support from Pharmaceutical or Company: No ; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b – Royalties, Financial/Material Support from Publisher: No ; 8 – Serve on Editorial or Governing Board: No ; 9 – Serve on Board of Directors/Committee: No

Karen Troy
1 – Royalties: No ; 2 – Speakers Bureau: No ; 3a – Paid Employee: No ; 3b – Paid Consultant: No ; 3c – Unpaid Consultant: No ; 4 – Stock or Stock Options: No ; 5 – Research or Institutional Support: No ; 6 – Financial or Material Support from Pharmaceutical or Company: No ; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b – Royalties, Financial/Material Support from Publisher: No ; 8 – Serve on Editorial or Governing Board: Yes IEEE Transactions on Neural Systems and Rehabilitation Engineering; 9 – Serve on Board of Directors/Committee: No

Tsung-Yuan Tsai
1 – Royalties: No ; 2 – Speakers Bureau: No ; 3a – Paid Employee: No ; 3b – Paid Consultant: No ; 3c – Unpaid Consultant: No ; 4 – Stock or Stock Options: No ; 5 – Research or Institutional Support: No ; 6 – Financial or Material Support from Pharmaceutical or Company: No ; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b – Royalties, Financial/Material Support from Publisher: No ; 8 – Serve on Editorial or Governing Board: No ; 9 – Serve on Board of Directors/Committee: No

Riichiro Tsukamoto
1 – Royalties: No ; 2 – Speakers Bureau: No ; 3a – Paid Employee: No ; 3b – Paid Consultant: No ; 3c – Unpaid Consultant: No ; 4 – Stock or Stock Options: No ; 5 – Research or Institutional Support: No ; 6 – Financial or Material Support from Pharmaceutical or Company: No ; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b – Royalties, Financial/Material Support from Publisher: No ; 8 – Serve on Editorial or Governing Board: No ; 9 – Serve on Board of Directors/Committee: No

Wakenda Tyler
1 – Royalties: No ; 2 – Speakers Bureau: No ; 3a – Paid Employee: No ; 3b – Paid Consultant: No ; 3c – Unpaid Consultant: No ; 4 – Stock or Stock Options: Yes Stock in Tiathera, a start-up therapeutic delivery company.; 5 – Research or Institutional Support: No ; 6 – Financial or Material Support from Pharmaceutical or Company: No ; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b – Royalties, Financial/Material Support from Publisher: No ; 8 – Serve on Editorial or Governing Board: No ; 9 – Serve on Board of Directors/Committee: Yes MBOD for Musculoskeletal transplant foundation (MTF); Specialty Day Chair, Prior research committee for MSTS; BOD for Gladden Society

Ricard van Arkel
1 – Royalties: No ; 2 – Speakers Bureau: No ; 3a – Paid Employee: No ; 3b – Paid Consultant: No ; 3c – Unpaid Consultant: No ; 4 – Stock or Stock Options: Yes DePuy Synthes; Orthosensor; Launchpad Medical; TJO; 6 – Financial or Material Support from Pharmaceutical or Company: Yes ConforMIS; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b – Royalties, Financial/Material Support from Publisher: No ; 8 – Serve on Editorial or Governing Board: No ; 9 – Serve on Board of Directors/Committee: No

Douglas Van Citters
1 – Royalties: No ; 2 – Speakers Bureau: No ; 3a – Paid Employee: No ; 3b – Paid Consultant: No ; 3c – Unpaid Consultant: No ; 4 – Stock or Stock Options: Yes I receive funds from Arthrex, Inc. to perform a study on the potential advantage in using Stimublast in surgeries for ACL reconstruction.; 5 – Research or Institutional Support: No ; 6 – Financial or Material Support from Pharmaceutical or Company: No ; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b – Royalties, Financial/Material Support from Publisher: No ; 8 – Serve on Editorial or Governing Board: No ; 9 – Serve on Board of Directors/Committee: No

Peter van der Kraan
1 – Royalties: No ; 2 – Speakers Bureau: No ; 3a – Paid Employee: No ; 3b – Paid Consultant: No ; 3c – Unpaid Consultant: No ; 4 – Stock or Stock Options: No ; 5 – Research or Institutional Support: No ; 6 – Financial or Material Support from Pharmaceutical or Company: No ; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b – Royalties, Financial/Material Support from Publisher: No ; 8 – Serve on Editorial or Governing Board: No ; 9 – Serve on Board of Directors/Committee: No

Andre Van Winjen
1 – Royalties: No ; 2 – Speakers Bureau: No ; 3a – Paid Employee: No ; 3b – Paid Consultant: No ; 3c – Unpaid Consultant: No ; 4 – Stock or Stock Options: No ; 5 – Research or Institutional Support: No ; 6 – Financial or Material Support from Pharmaceutical or Company: No ; 7a – Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b – Royalties, Financial/Material Support from Publisher: No ; 8 – Serve on Editorial or Governing Board: No ; 9 – Serve on Board of Directors/Committee: No
Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Kartik Varadarajan
1 – Royalties: Yes Stryker Corp; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Orthopaedic Technology Group; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Orthopaedic Technology Group; 5 - Research or Institutional Support: Yes Medtronic, Evonik Industries; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No Stryker Corp; 7b - Royalties, Financial/Material Support from Publisher: No Stryker Corp; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Sophie Verrier
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 – Serve on Editorial or Governing Board: No; 9 – Serve on Board of Directors/Committee: Yes Chair of the ORS Women Leadership Forum Committee; Board member and President Elect of the Swiss Bone and Mineral Society

Amarjit Virdi
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Nam Viet Vo
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Viola Vogel
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Edward J Vresilovic
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes I own stock in Globus Medical.Inc a medical device company; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Erik Waldoff
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: Yes Orthofix, Inc.; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: Yes Orthofix, Inc.; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Joseph Wallace
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Bing Wang
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No;
Company: No; 7 - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Fei Wang
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Hali Wang
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Vincent Wang
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Coloplast Corporation; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Associate Editor, Connective Tissue Research; Associate Editor, BMC Musculoskeletal Disorders; 9 - Serve on Board of Directors/Committee: No

David Wasserstein
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes, 2 clinical study grants in 2017-both pain targeting drugs in established OA-from Pfizer and Astellas, now completed. No conflict with what is being presented (disease modification in PTOA); 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Electronic Media Editorial Board for American Journal of Sports Medicine; 9 - Serve on Board of Directors/Committee: No

Fiona Watt
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes, 2 clinical study grants in 2017-both pain targeting drugs in established OA-from Pfizer and Astellas, now completed. No conflict with what is being presented (disease modification in PTOA); 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes, Versus Arthritis (College of experts; MSK disorders Research Advisory Group lead)

Jennifer Wayne
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: Yes Academic Editor, PLOS ONE; 9 - Serve on Board of Directors/Committee: Yes Member of ORS Ethics Committee

Kate Webster
1 – Royalties: No; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: No; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: No; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No; 7b - Royalties, Financial/Material Support from Publisher: No; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No

Julien Wegrzyn
1 – Royalties: Yes Dedienne santé; 2 - Speakers Bureau: No; 3a - Paid Employee: No; 3b - Paid Consultant: Yes Stryker; 3c - Unpaid Consultant: No; 4 - Stock or Stock Options: No; 5 - Research or Institutional Support: Yes Stryker; 6 - Financial or Material Support from Pharmaceutical or Company: No; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes Dedienne santé; 7b - Royalties, Financial/Material Support from Publisher: Yes Dedienne santé; 8 - Serve on Editorial or Governing Board: No; 9 - Serve on Board of Directors/Committee: No
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Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Ryan Willing
1 – Royalties: No ; 2 - Speakers Bureau: Yes AMTI covering travel expenses to present at ISTA 2018 in London; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: Yes AMTI covering travel expenses to present at ISTA 2018 in London; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: Yes AMTI covering travel expenses to present at ISTA 2018 in London; 7b - Royalties, Financial/Material Support from Publisher: Yes AMTI covering travel expenses to present at ISTA 2018 in London; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Janie Wilson
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: Yes Stryker Orthopaedics consultant; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Markus Wimmer
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: Yes Endolab Testing GmbH; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes Zimmer-Biomet, Inc.; 6 - Financial or Material Support from Pharmaceutical or Company: Yes Aesculap, CeramTec; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes J. Biotribology/ Elsevier; 9 - Serve on Board of Directors/Committee: No

Cheung Wing Hoi
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes Section head for Journal of Orthopaedic Translation Editorial member for World Journal of Orthopaedics; 9 - Serve on Board of Directors/Committee: No

Beth Winkelstein
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: Yes SJM Abbott; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: Yes editor Journal of Biomechanical Engineering; Associate Editor Spine; 9 - Serve on Board of Directors/Committee: Yes BMES Board

Mia Woodruff
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Edward Wojtys
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Thomas Wronski
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ; 8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No
Ei Yamamoto
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: Yes see 7B; 9 - Serve on Board of Directors/Committee: No

Raghunatha Yammani
Date of Disclosure: 8/1/2018
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No editorial; 9 - Serve on Board of Directors/Committee: No

Wentian Yang
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Hai Yao
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Wei Yao
1 – Royalties: No ; 2 - Speakers Bureau: No ; 3a - Paid Employee: No ; 3b - Paid Consultant: No ; 3c - Unpaid Consultant: No ; 4 - Stock or Stock Options: No ; 5 - Research or Institutional Support: No ; 6 - Financial or Material Support from Pharmaceutical or Company: No ; 7a - Royalties, Financial/Material Support from Pharmaceutical or Company: No ; 7b - Royalties, Financial/Material Support from Publisher: No ;8 - Serve on Editorial or Governing Board: No ; 9 - Serve on Board of Directors/Committee: No

Clare Yellowley
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Ashley, Blair S ............................... Disclosed no conflict of interest.
Ashley, Jason W ............................. Disclosed no conflict of interest.
Ashraf, Sajjad ............................... Disclosed no conflict of interest.
Askew, Emily B .............................. Disclosed no conflict of interest.
Asmussen, Niels .............................. Disclosed no conflict of interest.
Aso, Koji ...................................... Disclosed no conflict of interest.
Asomugha, Eva ............................... Disclosed no conflict of interest.
Aspberg, Sara ............................... Disclosed no conflict of interest.
Aspenberg, Per ............................... Disclosed no conflict of interest.
Assad, Michel ............................... Disclosed no conflict of interest.
Assemat, Pauline ............................ Disclosed no conflict of interest.
Astephen Wilson, Janie L ............... 3B: Stryker.
Atallah, Robin ............................... Disclosed no conflict of interest.
Ates, Filiz .................................... Disclosed no conflict of interest.
Ateshian, Gerard A ........................ 1: Allosource.

Athwal, George ................................ 3B: Exactech Inc.

Athwal, George .............................. 1: Conmed, Exactech, Imascap, Wright Medical; 3B: DePuy; 4: Imascap; 5: Smith & Nephew, Wright Medical; 8: JSES, JSEA; 9: ASES.

Athwal, George .............................. 1: Conmed, Exactech, Imascap, Wright Medical; 3B: DePuy; 4: Imascap; 5: Smith & Nephew, Wright Medical; 8: JSES, JSEA; 9: ASES.


Atici, Ali ................................ Disclosed no conflict of interest.

Atici, Ali E ................................ Disclosed no conflict of interest.

Atiea, Ali .................................. Disclosed no conflict of interest.

Atkins, Penny R ............................ Disclosed no conflict of interest.

Aubin, Patrick M ............................ Disclosed no conflict of interest.

Auger, Joshua .............................. Disclosed no conflict of interest.

Austin, Jennifer ........................... Disclosed no conflict of interest.

Avochinou, Jean-Emmanuel ........... Disclosed no conflict of interest.

Awad, Hani A ............................. Disclosed no conflict of interest.

Awais, Rukhsana .......................... Disclosed no conflict of interest.

Axe, Michael .............................. Disclosed no conflict of interest.

Aydogan, Umur ........................... Disclosed no conflict of interest.

Ayers, David .............................. 8: JBJS; 9: AAHKS.

Ayers, David C ............................ Disclosed no conflict of interest.

Ayers, David C ............................ Disclosed no conflict of interest.

Aynardi, Michael .......................... Disclosed no conflict of interest.

Ayturk, Ugur M ............................ Disclosed no conflict of interest.

Ayuob, Atif ............................... Disclosed no conflict of interest.

Azad, Sherwin ............................ Disclosed no conflict of interest.

Azar, Frederick M ........................ 1: Elsevier; 3B: 98point6, lovera, Zimmer Biomet; 4: Pfizer; 8: AJOSM, Orthopedic Clinics; 9: ABOS.

Azem, Omar .............................. Disclosed no conflict of interest.

Azukizawa, Masayuki .................... Disclosed no conflict of interest.

Azuma, Shingo ............................ Disclosed no conflict of interest.

Baba, Kazuyoshi .......................... Disclosed no conflict of interest.

Baba, Rikiya .............................. Disclosed no conflict of interest.

Baba, Shoji ............................... Disclosed no conflict of interest.

Babazadeh, Ata .......................... Disclosed no conflict of interest.
Babikian, Margaret ........................ Disclosed no conflict of interest.
Babu, Jacob ........................................ Disclosed no conflict of interest.
Bach, John-Paul B ............................... Disclosed no conflict of interest.
Bachner, Emily M ............................... Disclosed no conflict of interest.
Bachus, Kent N ................................. Disclosed no conflict of interest.
Back, Jungho ...................................... Disclosed no conflict of interest.
Badalamente, Marie ......................... 3B: Endo Pharmaceuticals Inc.; 7A: Biospecics Technologies Corp.
Badger, Gary J ................................. Disclosed no conflict of interest.
Badida, Rohit ................................. Disclosed no conflict of interest.
Badon, Mary ................................. Disclosed no conflict of interest.
Badura, Jeffrey M .......................... 3A: Medtronic; 4: Medtronic.
Bae, Albert J ................................. Disclosed no conflict of interest.
Bae, Hyun W ................................. Disclosed no conflict of interest.
Baek, Jongseung ......................... Disclosed no conflict of interest.
Baek, Seung-Hoon .......................... Disclosed no conflict of interest.
Baetz, Nick 3A: PolarityTE; 4: PolarityTE.
Baez, Rafael 3A: Stryker; 4: Stryker.
Bagel, Jessica H ............................... Disclosed no conflict of interest.
Baghdady, Ahmed .......................... Disclosed no conflict of interest.
Bahmaee, Hossein .......................... Disclosed no conflict of interest.
Baht, Gurpreet S ............................. Disclosed no conflict of interest.
Bailes, Anna ................................. Disclosed no conflict of interest.
Bailey, Karsyn N ............................. Disclosed no conflict of interest.
Baines, Andrew ............................. Disclosed no conflict of interest.
Bajic, Andjela ............................... Disclosed no conflict of interest.
Bajpayee, Ambika G ......................... Disclosed no conflict of interest.
Baker, Breanne S ........................... Disclosed no conflict of interest.
Baker, Daniel 4: GTX.
Baker, Erin A ................................. Disclosed no conflict of interest.
Baker, Ethan ................................. 3A: MicroPort Orthopedics, Inc.
Baker, Ethan S ............................... 3A: Microport Orthopedics Inc.
Baker, Hannah B ........................... Disclosed no conflict of interest.
Baker, Kevin ................................. Disclosed no conflict of interest.
Baker, Kevin C .............................. Disclosed no conflict of interest.
Bakker, Max .................................. Disclosed no conflict of interest.
Bal, Zeynep .................................. Disclosed no conflict of interest.
Bal, Abiram .................................. Disclosed no conflict of interest.
Balaskas, Panagiotis ....................... Disclosed no conflict of interest.
Balasubramanian, Ganesh ............... Disclosed no conflict of interest.
Balasubramanian, Ravi ................. Disclosed no conflict of interest.
Balasubramanian, Sriram ............... Disclosed no conflict of interest.
Balderas, Alison .......................... Disclosed no conflict of interest.
Baldini, Todd ............................. Disclosed no conflict of interest.
Baldwin, Avionna .......................... Disclosed no conflict of interest.
Bale, Hrishikesh A ....................... Disclosed no conflict of interest.
Baliki, Marwan ............................ Disclosed no conflict of interest.
Ball, Jacob R. .............................. Disclosed no conflict of interest.
Ballestas, Samir A ....................... Disclosed no conflict of interest.
Ballestas-Naissir, Samir A ............ Disclosed no conflict of interest.
Balmayor, Elizabeth R .................. Disclosed no conflict of interest.
Balmayor, Elizabeth R ................. Disclosed no conflict of interest.
Baloh, Robert ............................. Disclosed no conflict of interest.
Ban, Hunyeong ........................... Disclosed no conflict of interest.
Bandi, Marc ............................... 3A: Zimmer Biomet; 4: Zimmer Biomet.
Bang, Sun Hee ............................ Disclosed no conflict of interest.
Banik, Brittany L ......................... Disclosed no conflict of interest.
Bankes, Marcus J.K. ...................... 4: Fortius Clinic.
Bansal, Sonia ............................. Disclosed no conflict of interest.
Baradaran, Aslan .......................... Disclosed no conflict of interest.
Baraga, Michael .......................... Disclosed no conflict of interest.
Baral, Elexis ............................... Disclosed no conflict of interest.
Barba, Mark ............................... 3A: OrthoIllinois.
Barbera, Carlo ........................... 3A: Fidia Farmaceutici S.p.A.
Barbieri, Davide ........................... 3A: Kuros Biosciences.
Barbosa, Mathilde ........................ Disclosed no conflict of interest.
Barbosa, Sofia ........................... Disclosed no conflict of interest.
Barboza Prado Lopes, Erika Disclosed no conflict of interest.
Barboza, Erika Disclosed no conflict of interest.
Barcellona, Marcos N Disclosed no conflict of interest.
Bare, Topher 3A: Arthrex. Disclosed no conflict of interest.
Barfield, William R Disclosed no conflict of interest.
Barg, Alexej 3B: Alexej Barg, MD, Medartis (Consultancy, honoraria, travel & accommodation expenses), not related to this project.
Barghouthi, Hind Disclosed no conflict of interest.
Barimani, Bardia Disclosed no conflict of interest.
Barker, Karen L Disclosed no conflict of interest.
Barnds, Brandon Disclosed no conflict of interest.
Barnes, Lowry C 1: DJO, Medtronic, Zimmer; 3B: Health Trust, Medtronic, Responsive Risk Solutions; 4: Responsive Risk Solutions; 5: ConforMIS; 8: AAHKS, HipKnee Arkansas Foundation, MAOA, SOA; 9: J Athroplasty, JSOA. Disclosed no conflict of interest.
Barnes, Sally G Disclosed no conflict of interest.
Barnum, Carrie E Disclosed no conflict of interest.
Baron, Roland 3B: Bone Therapeutics; 4: Bone Therapeutics; 9: International Federation of Musculoskeletal Research Societies. Disclosed no conflict of interest.
Barralet, Jake E Disclosed no conflict of interest.
Barrera, Carlos Disclosed no conflict of interest.
Barreto-Cruz, Yeideliz Disclosed no conflict of interest.
Barrett, Andrew Disclosed no conflict of interest.
Barrett, Sarah H Disclosed no conflict of interest.
Barroga, Charlene 3A: Samumed, LLC; 4: Samumed, LLC. Disclosed no conflict of interest.
Barry, Frank P 4: Orbsen Therapeutics Ltd., Osiris Therapeutics Inc. Disclosed no conflict of interest.
Bartell, Lena Disclosed no conflict of interest.
Barter, Matt J Disclosed no conflict of interest.
Bartlow, Chris Disclosed no conflict of interest.
Bartol, Stephen W 3B: DePuy/Synthes Spine; 3C: Musculoskeletal Transplant Foundation; 4: Sentio, LLC; 9: NASS. Disclosed no conflict of interest.
Barton, R Shane Disclosed no conflict of interest.
Barton, Shane Disclosed no conflict of interest.
Bartschat, Nicholas I Disclosed no conflict of interest.
Bartz-Johannessen, Christoffer Disclosed no conflict of interest.
Barzda, Virginijus Disclosed no conflict of interest.
Bas, Guniz Disclosed no conflict of interest.
Basgul, Cemile Disclosed no conflict of interest.
Basheer, Azam Disclosed no conflict of interest.
Baskin, Heath Disclosed no conflict of interest.
Baskin, Heath M Disclosed no conflict of interest.
Bass, Sarah Disclosed no conflict of interest.
Basunia, Razeen Disclosed no conflict of interest.
Bates, Nathaniel A Disclosed no conflict of interest.
Batushansky, Albert Disclosed no conflict of interest.
Batzdorf, Alexandra Disclosed no conflict of interest.
Bauer, Thomas W Disclosed no conflict of interest.
Bauer, Andrew P Disclosed no conflict of interest.
Bauer, John R Disclosed no conflict of interest.
Baum, John R Disclosed no conflict of interest.
Baumer, Timothy Disclosed no conflict of interest.
Baye, Christofo Disclosed no conflict of interest.
Baye, Christopher O Disclosed no conflict of interest.
Baye, Babak Disclosed no conflict of interest.
Bawaskar, Tejas Disclosed no conflict of interest.
Baxter, Josh R Disclosed no conflict of interest.
Baylon, Eva Disclosed no conflict of interest.
Baylon, Eva Gabriela Disclosed no conflict of interest.
Bautista, Catherine A Disclosed no conflict of interest.
Bawa, Aditi Disclosed no conflict of interest.
Beach, Zack Disclosed no conflict of interest.
Beck, Chad Disclosed no conflict of interest.
Beck, Christopher A Disclosed no conflict of interest.
Beck, Edward C Disclosed no conflict of interest.
Beaule, Paul E 1: Microport, Medacta, Corin; 3A: Zimmer-Biomet, Medacta, Corin, MicroPort, MatOrtho; 3B: Zimmer Biomet; Medacta; Corin; Microport; Matortho; 5: Depuy Synthes; Corin; Microport; Zimmer; 9: Canadian research orthopaedic society-51th presidential.
Bechard, Laura E Disclosed no conflict of interest.
Bechtold, Joan E 3C: SI Bone; 5: Medtronic; 7B: JBJS; 8: JBJS; 9: ASB.
Beck, Chad Disclosed no conflict of interest.
Beck, Gina
Disclosed no conflict of interest.

Beck, Heidrun
Disclosed no conflict of interest.

Beck, James Peter
3B: James Peter Beck, MD is one of the design surgeons of the device for DJO global.

Beck, Tyler
Disclosed no conflict of interest.

Becker, Matthew L
Disclosed no conflict of interest.

Becker, Robert M
Disclosed no conflict of interest.

Beckmann, Nicolau
3A: Novartis AG.

Becktell, Liliya
Disclosed no conflict of interest.

Becquart, Pierre
Disclosed no conflict of interest.

Bedair, Hany
3B: Smith & Nephew; 4: DEF Medical.

Bedair, Hany
3B: Smith & Nephew; 4: DEF Medical.

Bedair, Hany S
Disclosed no conflict of interest.

Bedi, Asheesh
Disclosed no conflict of interest.

Bedi, Divjot
Disclosed no conflict of interest.

Beebe, David S
Disclosed no conflict of interest.

Beedall, Duncan
3A: Depuy Synthes.

Been, Mary Jane
Disclosed no conflict of interest.

Begun, Dana L
Disclosed no conflict of interest.

Behera, Jyotirmaya
Disclosed no conflict of interest.

Behfar, Atta
3C: Co-Founder of Rion LLC.

Behn, Anthony W
Disclosed no conflict of interest.

Behnke, Analicia L
Disclosed no conflict of interest.

Behrend, Caleb
Disclosed no conflict of interest.

Behrendt, Peter
Disclosed no conflict of interest.

Behrens, Phillip H
Disclosed no conflict of interest.

Belani, Kumar G
Disclosed no conflict of interest.

Belkhodja, Mehdi
Disclosed no conflict of interest.

Bell, Kevin M
Disclosed no conflict of interest.

Bell, Rebecca
Disclosed no conflict of interest.

Bell, Richard
Disclosed no conflict of interest.

Bellido, Teresita M
Disclosed no conflict of interest.

Beltejar, Michael-John
Disclosed no conflict of interest.

Beltran, Michael
Disclosed no conflict of interest.

Bemben, Debra A
Disclosed no conflict of interest.

Bemben, Michael G
Disclosed no conflict of interest.
Ben-David, Shiran .......................... Disclosed no conflict of interest.
Bender, Mark............................ 3A: Exactech Inc.
Bendich, Ilya .............................. Disclosed no conflict of interest.
Bendigo, Justin R ....................... Disclosed no conflict of interest.
Benevenia, Joseph ....................... 4: Co-owner of CreOsso LLC.
Benichou, Gilles ......................... Disclosed no conflict of interest.
Bennett, Brian T ......................... Disclosed no conflict of interest.
Bennett, David A ......................... Disclosed no conflict of interest.
Bennett, Maureen ....................... Disclosed no conflict of interest.
Bensidhoum, Morad ..................... Disclosed no conflict of interest.
Bensusan, Jay S ......................... Disclosed no conflict of interest.
Bentley, Karen L. de Mesy ............ Disclosed no conflict of interest.
Beppu, Yasuo .................. Disclosed no conflict of interest.
Beqaj, Halil .............................. Disclosed no conflict of interest.
Beredjiklian, Pedro K ................... Disclosed no conflict of interest.
Berg, Ari R .................. Disclosed no conflict of interest.
Berger, Richard ......................... 7A: MicroPort.
Berglund, Lawrence .................... Disclosed no conflict of interest.
Bergman, Rachel ....................... Disclosed no conflict of interest.
Berigei, Sarita ......................... Disclosed no conflict of interest.
Berke, Ian M .................. Disclosed no conflict of interest.
Berken, David ............... Disclosed no conflict of interest.
Berkmortel, Carolyn ................... Disclosed no conflict of interest.
Berlet, Gregory C ...................... Disclosed no conflict of interest.
Berman, Alycia G ...................... Disclosed no conflict of interest.
Berman, Jacob E ....................... Disclosed no conflict of interest.
Bernal Crespo, Victor ................. Disclosed no conflict of interest.
Bernard, Fabrice C ..................... Disclosed no conflict of interest.
Bernstein, David N .................... 9: AAMC OSR.
Bernstein, Elizabeth .................. Disclosed no conflict of interest.
Bernstein, Joseph ..................... 7B: CORR.
Bernthal, Nicholas .................... Disclosed no conflict of interest.
Bernthal, Nicholas M .................. 1: Onkos Surgical.

Berry, David B .................. Disclosed no conflict of interest.
Bersch, Kevin J .................. Disclosed no conflict of interest.
Berto, Lauren ................... Disclosed no conflict of interest.
Bertucci, Christopher .......... Disclosed no conflict of interest.
Besselink, Nick J ............... Disclosed no conflict of interest.
Best, Katherine .................. Disclosed no conflict of interest.
Best, Thomas M .................. Disclosed no conflict of interest.
Bestourous, Daniel E .......... Disclosed no conflict of interest.
Betsch, Marcel .................. Disclosed no conflict of interest.
Betts, Duncan C ............... Disclosed no conflict of interest.
Beveridge, Jillian E .......... Disclosed no conflict of interest.
Bevill, Grant ................... Disclosed no conflict of interest.
Bey, Michael J .................. Disclosed no conflict of interest.
Beyrer, Patrick J ............... Disclosed no conflict of interest.
Bezci, Semih E ............... Disclosed no conflict of interest.
Bhagat, Priyal ................... Disclosed no conflict of interest.
Bhandari, Reyna ............... Disclosed no conflict of interest.
Bharam, Srino .................. Disclosed no conflict of interest.
Bhattacharya, Rajarshi ....... Disclosed no conflict of interest.
Bhattacharyya, Surjya .... Disclosed no conflict of interest.
Bhatti, Fazal Ur Rehman .......... Disclosed no conflict of interest.
Bhave, Anil .................. 3B: Cymedica Orthopedics, DJ Orthopaedics, On Going Care, Stryker; 4: Amgen, Cymedica Orthopedics, Peerwell, Pfizer; 8: Journal of Society of Indian Physiotherapists.
Bhave, Sampada ............... Disclosed no conflict of interest.
Bhimani, Rehaan M ............. Disclosed no conflict of interest.
Bhimani, Rohat B .......... Disclosed no conflict of interest.
Bhimani, Samrath J .... Disclosed no conflict of interest.
Bhowmik-Stoker, Manoshi .... 3A: Stryker Orthopaedic; 4: Stryker Orthopaedic.
Bhowmik-Stoker, Manoshi .... 3A: Stryker.
Bhushan, Bhavya ............... Disclosed no conflict of interest.
Bhutani, Nidhi ............... Disclosed no conflict of interest.
Bi, Chun ................... Disclosed no conflict of interest.
Bicchi, Antonio ............... 4: Qbrobotics srl.
Bifano, Chris .................. Disclosed no conflict of interest.
Bigelow, Erin R ....................... Disclosed no conflict of interest.
Biggs, Paul .......................... Disclosed no conflict of interest.
Bijukumar, Divya ..................... Disclosed no conflict of interest.
Bijukumar, Divya R .................. Disclosed no conflict of interest.
Bilden, Tyler ........................ Disclosed no conflict of interest.
Bilewski, Alyssa ..................... Disclosed no conflict of interest.
Bilgen, Bahar ........................ Disclosed no conflict of interest.
Bilousova, Ganna ..................... Disclosed no conflict of interest.
Biltz, Nicole ......................... Disclosed no conflict of interest.
Binch, Abbie L ....................... Disclosed no conflict of interest.
Bingenheimer, Heidi ................. 3A: Smith & Nephew.
Birchall, Richard .................... Disclosed no conflict of interest.
Bird, Anna .......................... Disclosed no conflict of interest.
Birk, David .......................... Disclosed no conflict of interest.
Birk, David B ........................ Disclosed no conflict of interest.
Birk, David E ........................ Disclosed no conflict of interest.
Birman, Victor ....................... Disclosed no conflict of interest.
Bisazza, Katie T ..................... Disclosed no conflict of interest.
Bishop, Aaron ....................... Disclosed no conflict of interest.
Bisogno, Michael .................... Disclosed no conflict of interest.
Bisson, Daniel ....................... Disclosed no conflict of interest.
Bisson, Daniel G ..................... Disclosed no conflict of interest.
Black, Caitlin ....................... Disclosed no conflict of interest.
Black, Cameron R.M ................ Disclosed no conflict of interest.
Black, Christopher D .............. Disclosed no conflict of interest.
Black, Marianne ..................... Disclosed no conflict of interest.
Black, Marianne S .................. Disclosed no conflict of interest.
Black, Rebecca ...................... Disclosed no conflict of interest.
Blackwell, Ryan ..................... Disclosed no conflict of interest.
Blain, Emma J ....................... Disclosed no conflict of interest.
Blaine, Theodore A ................. 2: Tornier Company; 3B: Tornier Company, Zimmer Biomet Company; 4: Catalyst Orthoscience; 8: AAOS Now, SAGE.
Blaine, Theodore A ................. 3B: Tornier, Zimmer; 4: Catalyst Orthoscience; 8: SAGE, AAOS Now.
Blair, Jeremy ............................. 3A: MedShape; 3B: Chap Med; 4: MedShape.

Blessing, William .......................... Disclosed no conflict of interest.
Blessing, William A .......................... Disclosed no conflict of interest.
Blom, Ashley .............................. Disclosed no conflict of interest.
Blumenthal, Allison M ....................... Disclosed no conflict of interest.
Blumstein, Gideon W ....................... Disclosed no conflict of interest.
BMDCS, BMDCS ............................ Disclosed no conflict of interest.
Boccaccini, Aldo R .......................... Disclosed no conflict of interest.
Boden, Scott .............................. 1: Medtronic; 7B: Medtronic.
Bodendorfer, Blake M ....................... Disclosed no conflict of interest.
Bodey, Andrew J ............................ Disclosed no conflict of interest.
Boehm, Cynthia ........................... Disclosed no conflict of interest.
Boelter, Kaitlyn M .......................... Disclosed no conflict of interest.
Boerckel, Joel D ............................ Disclosed no conflict of interest.
Boeyer, Melanie E .......................... Disclosed no conflict of interest.
Boggess, Grant ............................. Disclosed no conflict of interest.
Bohem, Cynthia ............................ Disclosed no conflict of interest.
Böhme, Klaus .............................. Disclosed no conflict of interest.
Boisselier, Julie ........................... Disclosed no conflict of interest.
Bokemper, Michael K ....................... Disclosed no conflict of interest.
Bokshan, Steven ........................... 7A: Dr. Bokshan has received educational support from Stryker.
Bolch, Charlotte ........................... 3A: Exactech Inc.
Bolcos, Paul .............................. Disclosed no conflict of interest.
Bolcos, Paul O ............................ Disclosed no conflict of interest.
Boles, Logan R ............................. Disclosed no conflict of interest.
Bolia, Ioanna K ............................ Disclosed no conflict of interest.
Bolt, Alicia ............................... Disclosed no conflict of interest.
Bolte, Julia ............................... Disclosed no conflict of interest.
Bolz, Nicholas J ........................... Disclosed no conflict of interest.
Bombosch, Sascha .......................... 3A: Stryker Orthopedics.
Bonani, Walter ............................ Disclosed no conflict of interest.
Bonilla, Kelsey A .......................... Disclosed no conflict of interest.
Bonner, Bryant

Bonner, Kevin

Bonnet, Cleo S

Bonnevie, Edward D.

Bonnevie, Edward D.

Bonnheim, Noah

Bonthius, Daniel

Boorman-Padgett, James F

Boraiah, Sreevathsana

Borgstrand, Karl

Boroumand, Soulmaz

Boruah, Sourabh

Borys, Dariusz

Bose, Vijay C

Boskey, Adele L

Bossard, Carine

Bostrom, Mathias P. G

Botchwey, Edward A

Bothner, Brian

Bou-Akl, Therese

Bougioukli, Sofia

Boulange, Claire

Boutin, Robert D.

Boutroy, Stephanie

Bouxsein, Mary L

Bova, Wes

bova, Wesley

Bowden, Anton E

Bowden, Jared N

Bowden, Jennifer A

Bowen, Andrew

Bowers, Timothy

Bowles, Annie C
Bowles, Robby.......................... Disclosed no conflict of interest.
Bowles, Robert D.......................... Disclosed no conflict of interest.
Bowman, Mackenzie ...................... Disclosed no conflict of interest.
Boyce, Brendan F.......................... Disclosed no conflict of interest.
Boyce, Mary K............................ Disclosed no conflict of interest.
Boyd, Jonathan .......................... Disclosed no conflict of interest.
Boyer, James C.......................... Disclosed no conflict of interest.
Boys, Alexander J........................ Disclosed no conflict of interest.
Boz, Utku .................................. Disclosed no conflict of interest.
Bozynski, Chantelle C.................. Disclosed no conflict of interest.
Bradley, Elizabeth W................... Disclosed no conflict of interest.
Bradley, Patrick A........................ Disclosed no conflict of interest.
Brady, Alex W............................ Disclosed no conflict of interest.
Brady, Paul C......................... 1: Arthrex, Inc; 2: Arthrex, Inc; 3B: Arthrex, Inc.
Bragdon, Beth............................ 3B: Paid grant reviewer for MTF.
Bramson, Michael T.K.................. Disclosed no conflict of interest.
Branch, Eric A............................ Disclosed no conflict of interest.
Brandon, Taycia.......................... Disclosed no conflict of interest.
Bras, Guillaume ......................... 3A: Blue Ortho.
Bratsman, Andrew T.................... Disclosed no conflict of interest.
Braun, Benjamin M...................... Disclosed no conflict of interest.
Braun, Tatum W.......................... Disclosed no conflict of interest.
Brazina, Sloane A........................ Disclosed no conflict of interest.
Breighner, Ryan.......................... Disclosed no conflict of interest.
Breighner, Ryan E....................... Disclosed no conflict of interest.
Bretschneider, Henriette............. Disclosed no conflict of interest.
Breur, Gert .............................. Disclosed no conflict of interest.
Brial, Caroline .......................... Disclosed no conflict of interest.
Brigande, John........................... Disclosed no conflict of interest.
Briggs, Karen K.......................... Disclosed no conflict of interest.
Brisson, Becky K........................ Disclosed no conflict of interest.
Brito, Ilana L------------------------- Disclosed no conflict of interest.
Britberg, Mats ....................... Disclosed no conflict of interest.
Britton, Steven L ...................... Disclosed no conflict of interest.
Briyan, Kalaivanan K .................. Disclosed no conflict of interest.
Brock, Kenny V ......................... Disclosed no conflict of interest.
Brodell, James D ....................... Disclosed no conflict of interest.
Broderick, Kristen .................... Disclosed no conflict of interest.
Brodke, Dane J ......................... Disclosed no conflict of interest.
Brodt, Michael D ...................... Disclosed no conflict of interest.
Brokken, Matthew ..................... Disclosed no conflict of interest.
Brolin, Tyler J .......................... 3B: DJ Orthopaedics.
Brolinson, Per Gunnar .................. Disclosed no conflict of interest.
Brondsted, Frederik ................... Disclosed no conflict of interest.
Bronson, Steven ....................... Disclosed no conflict of interest.
Bronstone, Amy ....................... Disclosed no conflict of interest.
Brooks, Amanda ....................... Disclosed no conflict of interest.
Brooks, Ellen .......................... Disclosed no conflict of interest.
Broomfield, Cecily .................... Disclosed no conflict of interest.
Broomfield, John ...................... Disclosed no conflict of interest.
Brothers, Courtney ................... Disclosed no conflict of interest.
Brown, Alex .......................... Disclosed no conflict of interest.
Brown, Alexa .......................... Disclosed no conflict of interest.
Brown, Brandon ....................... Disclosed no conflict of interest.
Brown, Christopher .................. 3A: Bioventus, LLC.
Brown, Edward B ...................... Disclosed no conflict of interest.
Brown, Justin L ........................ 5: Titan Spine, LLC.
Brown, Landon D ...................... Disclosed no conflict of interest.
Brown, Levi .......................... Disclosed no conflict of interest.
Brown, Murray P ...................... Disclosed no conflict of interest.
Brown, Shannon ...................... Disclosed no conflict of interest.
Brown, Spencer A ..................... Disclosed no conflict of interest.
Brown, Tammy ......................... Disclosed no conflict of interest.
Broz, Kaitlyn S ....................... Disclosed no conflict of interest.
Brucato, Valerio ...................... Disclosed no conflict of interest.

Brun-Cottan, Baptiste..............Disclosed no conflict of interest.
Brunger, Jonathan M................Disclosed no conflict of interest.
Bryan, Alex..........................Disclosed no conflict of interest.
Bryan, Ru L..........................Disclosed no conflict of interest.
Bryan, Zachary L....................3A: Exactech.
Bryant, Stephanie J................Disclosed no conflict of interest.
Bub, Christine......................Disclosed no conflict of interest.
Buccino, Allie.......................Disclosed no conflict of interest.
Buchanan, Samuel R................Disclosed no conflict of interest.
Buchanan, Thomas S................Disclosed no conflict of interest.
Buchele, Lauren....................Disclosed no conflict of interest.
Buchman, Aron S....................Disclosed no conflict of interest.
Buchowski, Jacob M................Disclosed no conflict of interest.
Buckley, Mark R.....................Disclosed no conflict of interest.
Budge, Kevin.........................Disclosed no conflict of interest.
Budge, Matthew......................Disclosed no conflict of interest.
Budsberg, Steven...................Disclosed no conflict of interest.
Buell, Sezen..........................3A: Stryker; 4: Stryker.
Buettmann, Evan.....................Disclosed no conflict of interest.
Bui, Gabrielle.......................Disclosed no conflict of interest.
Bui, Hieu T..........................Disclosed no conflict of interest.
Bui, Roger...........................Disclosed no conflict of interest.
Buksa, Christopher...............Disclosed no conflict of interest.
Buller, Leonard.....................Disclosed no conflict of interest.
Bunell, Bruce.......................Disclosed no conflict of interest.
Bunnell, Bruce......................Disclosed no conflict of interest.
Bunning, Rowena....................Disclosed no conflict of interest.
Bunting, Alexandra C..............Disclosed no conflict of interest.
Burdick, Jason......................Disclosed no conflict of interest.
Burge, Alissa J.....................Disclosed no conflict of interest.
Burgess, Matthew...................Disclosed no conflict of interest.
Burke, Elaine.......................Disclosed no conflict of interest.
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<td>3B: Arne Burssens, MD reports a paid consultancy for Curvebeam outside the submitted work.</td>
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Caicedo, Marco.......................... 3A: Orthopedic Analysis LLC.
Cain, Jarrett D.......................... 3B: Wright Medical Technology-Biologics, BESPA; 8: Journal of Foot & Ankle Surgery.
Calder, Mark............................ Disclosed no conflict of interest.
Callaci, John J........................... Disclosed no conflict of interest.
Callahan, Rowan........................ Disclosed no conflict of interest.
Callanan, Tucker........................ Disclosed no conflict of interest.
Cammisa, Frank P....................... Disclosed no conflict of interest.
Campagnola, Paul J..................... Disclosed no conflict of interest.
Campbell Jr, Robert M................... Disclosed no conflict of interest.
Campbell, Bradley C.................... Disclosed no conflict of interest.
Campbell, Julius Q...................... Disclosed no conflict of interest.
Campbell, Patricia A.................... 3B: DePuy, Wright Medical; 5: DePuy, OrthoFix; 7B: Elsevier; 8: J Arthroplasty.
Campbell, Phil........................... Disclosed no conflict of interest.
Can, Cui................................ Disclosed no conflict of interest.
Cancienne, Jourdan M................... Disclosed no conflict of interest.
Cannon, Paul............................. Disclosed no conflict of interest.
Cannon, Paula........................... Disclosed no conflict of interest.
Canseco, Karl........................... Disclosed no conflict of interest.
Canton, Stephen........................ Disclosed no conflict of interest.
Cao, Xiaoming........................... Disclosed no conflict of interest.
Cao, Yong............................... Disclosed no conflict of interest.
Capin, Jacob............................ Disclosed no conflict of interest.
Capogna, Elizabeth A.................. Disclosed no conflict of interest.
Capozzi, James.......................... Disclosed no conflict of interest.
Caprara, Sebastiano.................... Disclosed no conflict of interest.
Capuana, Elisa.......................... Disclosed no conflict of interest.
Carballo, Camila......................... Disclosed no conflict of interest.
Carballo, Camila B...................... Disclosed no conflict of interest.
Carbone, Jake........................... 6: DiFusion Technologies Inc.
Carbone, Joseph........................ Disclosed no conflict of interest.
Cardona-Ramirez, Sebastian........... Disclosed no conflict of interest.
Carey, James L.......................... Disclosed no conflict of interest.
Carl, Imhauser .................................. Disclosed no conflict of interest.
Carletta, Marissa N. .......................... Disclosed no conflict of interest.
Carli, Alberto ................................. Disclosed no conflict of interest.
Carli, Alberto V .............................. Disclosed no conflict of interest.
CarliLee, Tyler ................................ Disclosed no conflict of interest.
Carlson, Alyssa K ............................. Disclosed no conflict of interest.
Carlson, Cathy ................................. 3B: Zoetis; 3C: Zoetis.
Carlson, Cathy S ............................... 3B: Zoetis.
Carlson, Elijah ................................ Disclosed no conflict of interest.
Carlson, Jaclyn A .............................. Disclosed no conflict of interest.
Carney, Dwayne .............................. Disclosed no conflict of interest.
Carpenter, Kelsey A ......................... Disclosed no conflict of interest.
Carpenter, Robert Dana .................... 3B: SI-Bone; 4: SI-Bone.
Carr, Andrew .................................. Disclosed no conflict of interest.
Carr, Andrew J ................................. Disclosed no conflict of interest.
Carraro, Carlo ................................. Disclosed no conflict of interest.
Carrier, Joseph ............................... Disclosed no conflict of interest.
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Carrington, Nathan ......................... Disclosed no conflict of interest.
Carrino, John A ............................... Disclosed no conflict of interest.
Carter, Erin .................................. 9: LPA.
Carter, Jodi M ................................. Disclosed no conflict of interest.
Carter, Shea ................................. 3A: Novartis AG.
Carver, Thomas .............................. Disclosed no conflict of interest.
Casal, Margret L ............................. Disclosed no conflict of interest.
Casaletto, Emily .............................. Disclosed no conflict of interest.
Case, Natasha ................................. Disclosed no conflict of interest.
Caserto, Brian G .............................. Disclosed no conflict of interest.
Casey, James W .............................. Disclosed no conflict of interest.
Cash, Hannah ................................. Disclosed no conflict of interest.
Casnovsky, Lauren ......................... Disclosed no conflict of interest.
Cassat, James E .............................. Disclosed no conflict of interest.
Cassimatis, Caitlyn ......................... Disclosed no conflict of interest.
Castaneda, Pablo ............................ 3C: unpaid consultant for orthopediatrics.
Castelein, Rene .................. 6: Unrestricted K2M research grant.
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Chan, Calvin Disclosed no conflict of interest.
Chan, Calvin K Disclosed no conflict of interest.
Chan, Charles KF Disclosed no conflict of interest.
Chan, Cheri Su Hui Disclosed no conflict of interest.
Chan, Cheuk Ki Disclosed no conflict of interest.
Chan, Danny Disclosed no conflict of interest.
Chan, Jimmy J Disclosed no conflict of interest.
Chan, Kiara M Disclosed no conflict of interest.
Chan, Mable Wing Yan Disclosed no conflict of interest.
Chan, Virginia Disclosed no conflict of interest.
Chande, Ruchi 3A: S-I Bone; 4: S-I Bone.
Chandnani, Ashita Disclosed no conflict of interest.
Chandra, Abhishek Disclosed no conflict of interest.
Chandrasekaran, Prashant Disclosed no conflict of interest.
Chang, Albert Disclosed no conflict of interest.
Chang, Andrew H Disclosed no conflict of interest.
Chang, Chih-Wei Disclosed no conflict of interest.
Chang, Edward S Disclosed no conflict of interest.
Chang, James Disclosed no conflict of interest.
Chang, Jiun Chiun Disclosed no conflict of interest.
Chang, Leslie Disclosed no conflict of interest.
Chang, Shaohua Disclosed no conflict of interest.
Chang, Ta-Cheng 3A: Stryker; 4: Stryker.
Chang, Victor 3B: DePuy/Synthes Spine, Globus Medical.
Chang, Yaqiong Disclosed no conflict of interest.
Changoor, Adele Disclosed no conflict of interest.
Chao, Pen-hsiu Grace Disclosed no conflict of interest.
Chapman, David J Disclosed no conflict of interest.
Chapman, Ryan M Disclosed no conflict of interest.
Chappidi, Monica Disclosed no conflict of interest.
Chappuis, James 4: Chap Med.
Chappuis, Laura Disclosed no conflict of interest.
Chapurlat, Roland Disclosed no conflict of interest.
Charbonnier, Baptiste Disclosed no conflict of interest.
Charen, Daniel Disclosed no conflict of interest.
Charlton, Sarah Disclosed no conflict of interest.
Chase, Kevin Disclosed no conflict of interest.
Chastain II, Paul Disclosed no conflict of interest.
Chastain, Darrin Disclosed no conflict of interest.
Chastain, Kamryn S Disclosed no conflict of interest.
Chateau, Morgan Disclosed no conflict of interest.
Chatterjee, Monideepa Disclosed no conflict of interest.
Chaudhari, Abhijit J Disclosed no conflict of interest.
Chaudhari, Akshay 3A: Skope Magnetic Resonance Technologies; 3B: Subtle Medical; 4: Subtle Medical.
Chaudhary, Rajeev Disclosed no conflict of interest.
Chaudhry, Shahryar Disclosed no conflict of interest.
Chaudhuri, Ovijit Disclosed no conflict of interest.
Chavan, Prithviraj 4: Dunamis Medical.
Chazono, Masaaki Disclosed no conflict of interest.
Che, Yan-Jun Disclosed no conflict of interest.
Checketts, Jake Disclosed no conflict of interest.
Checketts, Jake X Disclosed no conflict of interest.
Che, Ana Disclosed no conflict of interest.
Cheema, Adnan N Disclosed no conflict of interest.
Chen, Andreas Disclosed no conflict of interest.
Chen, Angel Disclosed no conflict of interest.
Chen, Anmin Disclosed no conflict of interest.
Chen, Antonia 3B: Avanos Medical.
Chen, Antonia F 3B: 3M, ACI, bOne, Convatec, DJ Orthopaedics, Heraeus, Irrimax, Pfizer, Recro, Stryker, Zimmer.
Chen, Chih-Hwa Disclosed no conflict of interest.
Chen, Chung-Hwan Disclosed no conflict of interest.
Chen, Di Disclosed no conflict of interest.
Chen, Donna Disclosed no conflict of interest.
Chen, Edward Disclosed no conflict of interest.
Chen, Elena Disclosed no conflict of interest.
Chen, Eric Disclosed no conflict of interest.
Chen, Gang Disclosed no conflict of interest.
Chen, Guofen ................................ Disclosed no conflict of interest.
Chen, Hao .................................. Disclosed no conflict of interest.
Chen, Jingming .............................. Disclosed no conflict of interest.
Chen, Jinnan ................................ Disclosed no conflict of interest.
Chen, Jiwu .................................. Disclosed no conflict of interest.
Chen, Joseph ................................ Disclosed no conflict of interest.
Chen, Joshua V .............................. Disclosed no conflict of interest.
Chen, Kai ..................................... Disclosed no conflict of interest.
Chen, Kaiyuan ............................... Disclosed no conflict of interest.
Chen, Kun .................................... Disclosed no conflict of interest.
Chen, Liang .................................. Disclosed no conflict of interest.
Chen, Liang-Yu ............................... Disclosed no conflict of interest.
Chen, Linda .................................. Disclosed no conflict of interest.
Chen, Minhao ................................. Disclosed no conflict of interest.
Chen, Peng ................................... Disclosed no conflict of interest.
Chen, Po-Jung ................................. Disclosed no conflict of interest.
Chen, Qian 4: NanoDe; 8: Journal of Orthopaedic Research and Therapy; Aging Cells; 9: ORS.
Chen, Shen-Mao ............................. Disclosed no conflict of interest.
Chen, Shiyi ................................... Disclosed no conflict of interest.
Chen, Si ....................................... Disclosed no conflict of interest.
Chen, Timothy (Hung-Po) ............... Disclosed no conflict of interest.
Chen, Tina .................................... Disclosed no conflict of interest.
Chen, Tony 4: AGelity Biomechanics.
Chen, Tony 7A: Equity in AGelity Biomechanics, LLC.
Chen, Wanqun ............................... Disclosed no conflict of interest.
Chen, Weijia ................................. Disclosed no conflict of interest.
Chen, Wenbo ................................. Disclosed no conflict of interest.
Chen, Wen-Chien ............................ Disclosed no conflict of interest.
Chen, Xi ....................................... Disclosed no conflict of interest.
Chen, Xiang ................................. Disclosed no conflict of interest.
Chen, Xun .................................... Disclosed no conflict of interest.
Chen, Yangmengfan ........................ Disclosed no conflict of interest.
Chen, Yi-Je .................................. Disclosed no conflict of interest.
Chen, Yuehong ............................. Disclosed no conflict of interest.
Chen, Yunsu .................................. Disclosed no conflict of interest.
Chen, Yupeng ......................... 4: Nanode Therapeutics.
Chen, Yupeng ......................... 4: NanoDe; 8: International Journal of Case Reports and Images; Biosensors Journal.
Chen, Zhongqiang ..................... Disclosed no conflict of interest.
Cheng, Albert ......................... Disclosed no conflict of interest.
Cheng, Boyle .......................... 5: DiFusion Technologies Inc.
Cheng, Chih-Hsiu ..................... Disclosed no conflict of interest.
Cheng, Chih-Hsiu Cheng ............. Disclosed no conflict of interest.
Cheng, Haizi ........................... Disclosed no conflict of interest.
Cheng, Jack Chun Yiu ............... Disclosed no conflict of interest.
Cheng, Jai-Hong ....................... Disclosed no conflict of interest.
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Cheng, Kai-yuan ....................... Disclosed no conflict of interest.
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Cheng, Zhu ............................. Disclosed no conflict of interest.
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Chermside-Scabbo, Christopher J  Disclosed no conflict of interest.
Chery, Daphney R .................... Disclosed no conflict of interest.
Cheung, Ambrose ..................... Disclosed no conflict of interest.
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Cheung, Jacky ....................... Disclosed no conflict of interest.
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Cheung, Jason PY ................... Disclosed no conflict of interest.
Cheung, Kenneth MC ............... Disclosed no conflict of interest.
Cheung, Wing Hoi .................. Disclosed no conflict of interest.
Chevrier, Anik ....................... 4: Ortho Regenerative Technologies Inc.
Chia, Shi Lu ......................... Disclosed no conflict of interest.
Chia, Zi Yang ......................... Disclosed no conflict of interest.
Chiba, Daisuke ....................... Disclosed no conflict of interest.
Chiba, Takeshi ....................... Disclosed no conflict of interest.
Chiba, Yusuke ....................... Disclosed no conflict of interest.
Chijimatsu, Ryota .................. Disclosed no conflict of interest.
Chikawa, Takashi 6: Senko Medical Instrument Mfg. Co., Ltd, Japan Medical Dynamic Marketing, INC., Surgical Spine Inc.

Chikuda, Hirotaka Disclosed no conflict of interest.

Child, Zachary 3B: Zimmer Biomet.

Childress, Paul Disclosed no conflict of interest.

Childs, Robin Disclosed no conflict of interest.

Chim, Yu Ning Disclosed no conflict of interest.

Chimoto, Eiichi Disclosed no conflict of interest.

Chin, Adam R Disclosed no conflict of interest.

Chin, Matthew Disclosed no conflict of interest.

Chin, Shunfu Disclosed no conflict of interest.

Chinzel, Nobuaki Disclosed no conflict of interest.

Chitnis, Parag V Disclosed no conflict of interest.

Chiu, Chen-Yuan Disclosed no conflict of interest.

Chiu, Kevin 3A: Samumed, LLC; 4: Samumed, LLC.

Chlebek, Carolyn Disclosed no conflict of interest.

Cho, Hanna Disclosed no conflict of interest.

Cho, Hongsik Disclosed no conflict of interest.

Cho, Shawn 3A: Samumed, LLC; 4: Samumed, LLC.

Cho, Young Disclosed no conflict of interest.

Choe, Hyomin Disclosed no conflict of interest.

Choe, Hyonmin Disclosed no conflict of interest.

Choh, Alex Chaw Tat Disclosed no conflict of interest.

Choi, Choengryul Disclosed no conflict of interest.

Choi, Howard Disclosed no conflict of interest.

Choi, Josh Disclosed no conflict of interest.

Choi, Landon R Disclosed no conflict of interest.

Choi, Sungwook Disclosed no conflict of interest.

Choi, Ugeun Disclosed no conflict of interest.

Choi, Young Disclosed no conflict of interest.

Choi, Yun-Rak Disclosed no conflict of interest.


Chona, Deepak V Disclosed no conflict of interest.

Chong, Alexander Disclosed no conflict of interest.

Choong, Peter FM Disclosed no conflict of interest.
Chopra, Aman Disclosed no conflict of interest.
Chordia, Mehandra Disclosed no conflict of interest.
Chosa, Etsuo Disclosed no conflict of interest.
Chou, Hsiang Disclosed no conflict of interest.
Chou, Shih-Hsiang Disclosed no conflict of interest.
Chow, Simon Kwoon-ho Disclosed no conflict of interest.
Choy, Man Huen Victoria Disclosed no conflict of interest.
Christian, Nia Disclosed no conflict of interest.
Christiansen, Blaine A Disclosed no conflict of interest.
Christou, Chris Disclosed no conflict of interest.
Chu, Allen Disclosed no conflict of interest.
Chu, Constance R Disclosed no conflict of interest.
Chubinskaya, Susan Disclosed no conflict of interest.
Chubinskaya, Susanna Disclosed no conflict of interest.
Chun, Angela Disclosed no conflict of interest.
Chun, Hyelim Disclosed no conflict of interest.
Chung, Connie 3A: VIVEX Biomedical; 4: VIVEX Biomedical.
Chung, Ung-il Disclosed no conflict of interest.
Chung, Yang-Guk Disclosed no conflict of interest.
Chung, Yeon-ho Disclosed no conflict of interest.
Chuong, Cheng-Jen Disclosed no conflict of interest.
Chyou, Susan Disclosed no conflict of interest.
Çiftçi Dede, Eda Disclosed no conflict of interest.
Cil, Akin 3B: Stryker Orthopedics; 5: Stryker Orthopedics.
Cimino, Daniel Disclosed no conflict of interest.
Cirit, Murat Disclosed no conflict of interest.
Citron, Kate Disclosed no conflict of interest.
Claeson, Amy 3A: Zimmer Biomet.
Clair, Andrew J Disclosed no conflict of interest.
Clark, Abigail Disclosed no conflict of interest.
Clark, Gavin 3B: Stryker.
Clark, Michael Disclosed no conflict of interest.
Clark, Rachel Disclosed no conflict of interest.
Clark, William.......................... Disclosed no conflict of interest.
Clary, Chadd.......................... Disclosed no conflict of interest.
Clary, Chadd W...................... 6: Johnson & Johnson.
Claßen, Tim.......................... Disclosed no conflict of interest.
Clegg, Peter.......................... Disclosed no conflict of interest.
Clegg, Peter D........................ Disclosed no conflict of interest.
Clements, Anna E.B.................. Disclosed no conflict of interest.
Clinger, Jayson...................... Disclosed no conflict of interest.
Clokie, Cameron..................... 3A: Cameron Clokie; 9: Cameron Clokie.
Clough, Nicholas.................... Disclosed no conflict of interest.
Clyburn, Terry A.................... 6: Conformis, Nimbic Systems.
Coates, Brandon A.................. Disclosed no conflict of interest.
Coats-Thomas, Margaret S.......... Disclosed no conflict of interest.
Coban, Daniel....................... Disclosed no conflict of interest.
Coenen, Michael J................... Disclosed no conflict of interest.
Coghlan, Ryan F..................... Disclosed no conflict of interest.
Cohen, David J...................... 3B: Spheringenics Inc.
Cohen, Eric.......................... Disclosed no conflict of interest.
Cohen, Eric M....................... Disclosed no conflict of interest.
Cohen, Gideon........................ Disclosed no conflict of interest.
Cohen, Itai.......................... Disclosed no conflict of interest.
Cohen, Russell...................... 2: Stryker; 3B: Stryker; 5: Stryker.
Cohn-Yakubovich, Doron.......... Disclosed no conflict of interest.
Colbath, Aimee C................... Disclosed no conflict of interest.
Colbrunn, Robb...................... 1: Receives royalties for simVITRO sales.
Colditz, Graham A.................. Disclosed no conflict of interest.
Cole, Brian.......................... 3B: Arthrex Inc.
Cole, Calvin L....................... Disclosed no conflict of interest.
Cole, Jacqueline.................... Disclosed no conflict of interest.
Cole, Jacqueline H................ Disclosed no conflict of interest.
Cole, Kimberly A.................... Disclosed no conflict of interest.
Coleman, Mitchell.................. Disclosed no conflict of interest.
Coleman, Thomas .................. Disclosed no conflict of interest.
Coleman-Wood, Krista ................. Disclosed no conflict of interest.
Coletti, Camilla ........................ Disclosed no conflict of interest.
Coll, Jean-Luc ........................ Disclosed no conflict of interest.
Collier, Chris D ........................ Disclosed no conflict of interest.
Collins, Amber T ........................ Disclosed no conflict of interest.
Collins, Francis S ........................ Disclosed no conflict of interest.
Collins, Jamie E ........................ Disclosed no conflict of interest.
Collins, John A ........................ Disclosed no conflict of interest.
Collins, Joseph .......................... Disclosed no conflict of interest.
Collins, Kelsey .......................... Disclosed no conflict of interest.
Collins, Kelsey H ........................ Disclosed no conflict of interest.
Collofello, Brandon ........................ Disclosed no conflict of interest.
Colombo, John .......................... Disclosed no conflict of interest.
Columbus, Melanie P ....................... Disclosed no conflict of interest.
Colville, Marshall ........................ Disclosed no conflict of interest.
Comerford, Eithne ........................ Disclosed no conflict of interest.
Commins, Jacqueline ........................ Disclosed no conflict of interest.
Como, Christopher J ........................ Disclosed no conflict of interest.
Compton, Joelynn ........................ Disclosed no conflict of interest.
Condrey, Caitlin ........................ Disclosed no conflict of interest.
Cone, Stephanie G ........................ Disclosed no conflict of interest.
Confavreux, Cyrille ........................ Disclosed no conflict of interest.
Conley, Caitlin E-W ........................ Disclosed no conflict of interest.
Conley, Caitlin EW ........................ 9: ICRS Registry.
Conner, Matt ........................... Disclosed no conflict of interest.
Conner, Matthew ........................ Disclosed no conflict of interest.
Connizzo, Brianne K ....................... Disclosed no conflict of interest.
Connor, Jerome ........................... 3A: Cerapedics.
Connors-Ehlert, Ronald .................. 3A: Stryker.
Conrad, Bogi .......................... Disclosed no conflict of interest.
Conry, Keegan T ...................... Disclosed no conflict of interest.

Constantino, Christopher ........... Disclosed no conflict of interest.

Conti, Stephen C ...................... Disclosed no conflict of interest.

Convertino, Domenica ................ Disclosed no conflict of interest.

Cook, Bryson .......................... Disclosed no conflict of interest.


Cook, Sierra G ......................... Disclosed no conflict of interest.

Cool, MPH, Christina L ............... Disclosed no conflict of interest.

Coombs, Dana ......................... 3A: DePuy Synthes; 4: Johnson & Johnson.

Coombs, Dana J ....................... 3A: DePuy Synthes; 4: Johnson and Johnson.

Coombs, Matthew ..................... Disclosed no conflict of interest.

Cooper, Andrew R ..................... Disclosed no conflict of interest.

Cooper, Anthony P ..................... Disclosed no conflict of interest.

Cooper, Craig .......................... Disclosed no conflict of interest.

Cooper, David W ....................... Disclosed no conflict of interest.

Cooper, H J .............................. 1: Corin USA; 3B: Corin USA, DePuy, KCI Medical Canada, Inc, KCI USA, Inc, Zimmer-Biomet; 5: KCI; 8: Journal of Arthroplasty, Journal of Bone and Joint Surgery; 9: AAOS.

Cooper, H. John ....................... 3B: Corin USA, DePuy, Zimmer-Biomet, KCI.
Cooper, Herbert J. ......... Disclosed no conflict of interest.
Copley, Lawson A. ......... 5: Merck Daptomycin Randomized Control FDA Phase 3 Study PI.
Coras, Roxana ......... Disclosed no conflict of interest.
Corciulo, Carmen ......... 4: Regenosine Inc., NJ-USA.
Cornell, Ella .......... Disclosed no conflict of interest.
Cornish, Jillian .......... Disclosed no conflict of interest.
Cornwall, Roger .......... Disclosed no conflict of interest.
Cornwall-Brady, Milton .... 3A: Bioventus, LLC.
Corr, David T .......... Disclosed no conflict of interest.
Correa, Diego .......... 3B: LipoGems International.
Corsten, Anthony N .... Disclosed no conflict of interest.
Cosgriff-Hernandez, Elizabeth .... Disclosed no conflict of interest.
Costa, Meggin Q ......... Disclosed no conflict of interest.
Cote, Mark P .......... 8: Arthroscopy.
Cottrell, Jessica ......... Disclosed no conflict of interest.
Coughlin, Haley ......... Disclosed no conflict of interest.
Coughlin, Thomas ......... Disclosed no conflict of interest.
Coulombe, Jennifer .... Disclosed no conflict of interest.
Coury, Josephine ......... Disclosed no conflict of interest.
Coutinho De Almeida, Rodrigo .... Disclosed no conflict of interest.
Coutu, Daniel .......... Disclosed no conflict of interest.
Coyle, Matthew J ........ Disclosed no conflict of interest.
Coyner, Katherine J .... Disclosed no conflict of interest.
Crawford, Alvin H .......... 3C: SpineForm.
Crawford, Ross .......... Disclosed no conflict of interest.
Crecelius, Cory ......... Disclosed no conflict of interest.
Creecy, Amy ......... Disclosed no conflict of interest.
Creemers, Laura .......... Disclosed no conflict of interest.
Crenshaw, Thomas D .......... Disclosed no conflict of interest.
Cresson, Thierry .......... Disclosed no conflict of interest.
Crijs, Tom .......... Disclosed no conflict of interest.
Cripton, Peter A ......................... 1: CIHR.

Crisco, Joseph (Trey) ...................... Disclosed no conflict of interest.

Crisco, Joseph J ......................... 3B: Extremity Medical; 7A: Extremity Medical; 8: Journal of Biomechanics.

Crisco, Joseph J ......................... 8: Journal of Biomechanics.

Crist, Brett D ............................... Disclosed no conflict of interest.

Cristini, Vanessa .......................... Disclosed no conflict of interest.

Crnic, Agnes ............................... Disclosed no conflict of interest.

Crockarell, John ........................... Disclosed no conflict of interest.

Croen, Brett ............................... Disclosed no conflict of interest.


Crowder, Hollis ............................... Disclosed no conflict of interest.

Crowder, Hollis A ....................... Disclosed no conflict of interest.

Crowe, Lindsay A N ..................... Disclosed no conflict of interest.

Crozier, Stuart ............................. Disclosed no conflict of interest.

Cruad, William ......................... Disclosed no conflict of interest.

Cruz, Andrea ............................... Disclosed no conflict of interest.

Cruz, Geneva E ......................... Disclosed no conflict of interest.

Cubria, Belen ............................... Disclosed no conflict of interest.

Cubria, M. Belen ......................... Disclosed no conflict of interest.

Cubria, Maria B ......................... Disclosed no conflict of interest.

Cucchiariini, Magali ...................... Disclosed no conflict of interest.

Cui, Can .................................. Disclosed no conflict of interest.

Cui, Quanjun ............................... Disclosed no conflict of interest.

Cui, Yan .................................. Disclosed no conflict of interest.

Culley, Kirsty ............................... Disclosed no conflict of interest.

Culliton, Kathryn ....................... Disclosed no conflict of interest.

Culver, Lauren ............................. Disclosed no conflict of interest.

Culver, Lauren A ........................... Disclosed no conflict of interest.

Cunningham, Brian P .................... 4: Spouse – Founder & CEO, CODE Technology.

Cunningham, Hailey C ................ Disclosed no conflict of interest.

Curran, Patrick ......................... Disclosed no conflict of interest.
Curry, Jacob M ........................... Disclosed no conflict of interest.
Curtis, Gannon L ........................ Disclosed no conflict of interest.
Cusco, Daniela ........................... Disclosed no conflict of interest.


Cusson, Barry C. .......................... Disclosed no conflict of interest.
Custers, Roel J ............................ Disclosed no conflict of interest.
Cutcliffe, Hattie C ........................ Disclosed no conflict of interest.
Cuttica, Daniel ............................ Disclosed no conflict of interest.

Dadwal, Ushashi C ........................ Disclosed no conflict of interest.
Daffinee, Kathryn ........................ Disclosed no conflict of interest.
Dahia, Chitra .............................. Disclosed no conflict of interest.
Dahia, Chitra L ............................ Disclosed no conflict of interest.
Dahlgren, Linda A ........................ 4: GlaxoSmithKline, Pfizer.
Dahners, Laurence ........................ Disclosed no conflict of interest.
Dai, Chenlin .............................. Disclosed no conflict of interest.
Dai, Jiannong .............................. Disclosed no conflict of interest.
Dai, Jun ................................. Disclosed no conflict of interest.
Dai, Yifei ................................. 3A: Exactech Inc.
Dailey, Hannah L .......................... 4: OrthoXel DAC; 5: OrthoXel DAC; 6: OrthoXel DAC.
Daily, Drayton ........................... Disclosed no conflict of interest.
Daire, Philip A ............................. Disclosed no conflict of interest.
Daiss, John L ............................. 3A: MICRO B-PLEX Inc; 5: Telephus Co. Ltd.
Daisuke, Takahashi ...................... Disclosed no conflict of interest.
Dakin, Stephanie G ...................... Disclosed no conflict of interest.
Daley, Alton .............................. Disclosed no conflict of interest.
Daley, Roger .............................. Disclosed no conflict of interest.
Dall’Ara, Enrico ........................... Disclosed no conflict of interest.
Daly, Brett T .............................. Disclosed no conflict of interest.
Daly, Seth M .............................. Disclosed no conflict of interest.
Daly-Seiler, Conor S ..................... Disclosed no conflict of interest.
Damerau, Alexandra ..................... Disclosed no conflict of interest.
Damron, Timothy A ...................... 5: Stryker Inc., Wright Medical, Inc., Orthovita, Inc.
Dan, Yang .................................................................. Disclosed no conflict of interest.
Daneshnia, Yasmin .................................................. Disclosed no conflict of interest.
Dang, Alan .................................................................. Disclosed no conflict of interest.
Dang, Alan BC .......................................................... 3A: PrinterPrezz, Inc.; 3B: Medtronic; 4: PrinterPrezz, Inc.; 5: Depuy Synthes Biomaterials; 8: Associate Editor, Techniques in Orthopaedics; 9: NASS Biologics and Basic Research Section.
Dang, Alexis .................................................................. 3A: PrinterPrezz, Inc.; 4: PrinterPrezz, Inc.
Dang, Alexis B. C. .......................................................... Disclosed no conflict of interest.
Dang, Debbie ............................................................... Disclosed no conflict of interest.
Dang, Doug .................................................................. Disclosed no conflict of interest.
Daniels, Ryan .................................................................. Disclosed no conflict of interest.
Danila, Delia .................................................................. Disclosed no conflict of interest.
Danoff, Jonathan .......................................................... Disclosed no conflict of interest.
Dar, Ayelet .................................................................... Disclosed no conflict of interest.
Darabi, Radbod ............................................................. Disclosed no conflict of interest.
Dart, Bradley .................................................................. Disclosed no conflict of interest.
Darwish, Oliver A ........................................................... 6: DePuy Synthes.
Daryoush, Joshua .......................................................... Disclosed no conflict of interest.
Daryoush, Joshua R ....................................................... Disclosed no conflict of interest.
Das, Avilash .................................................................. Disclosed no conflict of interest.
Das, Moumita .................................................................. Disclosed no conflict of interest.
Das, Nanditha ............................................................... 3A: Regeneron Pharmaceuticals; 4: Regeneron Pharmaceuticals.
Dasa, Vinod ................................................................. 2: Bioventus, Swiftpath/Pacira; 3B: Bioventus, Myoscience; 4: Myoscience, SIGHT Medical; 5: SKK, Cartiheal, KCI; 7A: Flexion Therapeutics.
Date, Shota .................................................................. Disclosed no conflict of interest.
Datta, Gorav .................................................................. Disclosed no conflict of interest.
Davidson, Matthew D .................................................. Disclosed no conflict of interest.
Davidson, Nathan .......................................................... Disclosed no conflict of interest.
Davidson, Richard ........................................................ 6: Cimphoni Life Sciences.
Davis, Aileen .................................................................. Disclosed no conflict of interest.
Davis, Bryton .................................................................. Disclosed no conflict of interest.
Davis, Edward .............................................................. 2: Smith & Nephew; 3B: Smith & Nephew; 5: Biomet, Bonetherapeutics, Smith & Nephew.
Davis, Elissa .................................................................. Disclosed no conflict of interest.
Davis, Keithara M .................. Disclosed no conflict of interest.
Davis, Michael E .................. Disclosed no conflict of interest.
Davis, Thomas A .................. Disclosed no conflict of interest.
Davison, John .................. Disclosed no conflict of interest.
Day, Molly A .................. Disclosed no conflict of interest.
Dayanidhi, Sudarshan .................. Disclosed no conflict of interest.
de Bakker, Chantal M .................. Disclosed no conflict of interest.
De Bari, Cosimo .................. 8: Associate Editor for Osteoarthritis and Cartilage, Member of the editorial board of several journals including Regenerative Medicine; 9: Professor De Bari serves on the Medical Research Council’s Regenerative Medicine Research Committee
De Guise, Jacques A .................. Disclosed no conflict of interest.
De la Croix-Ndong, Jean .................. Disclosed no conflict of interest.
De la Vega, Rodolfo E .................. Disclosed no conflict of interest.
de Mesy Bentley, Karen L .................. Disclosed no conflict of interest.
de Mesy Bentley, Karen L .................. Disclosed no conflict of interest.
de Roy, Luisa .................. Disclosed no conflict of interest.
De Troy, Delphine .................. 3A: Bone Therapeutics.
De, Ayushmita .................. Disclosed no conflict of interest.
Deacy, James S .................. Disclosed no conflict of interest.
Dean, Delphine .................. Disclosed no conflict of interest.
Deangelis, Joseph .................. Disclosed no conflict of interest.
Debski, Richard E .................. Disclosed no conflict of interest.
Deckx, Julien .................. 3A: Materialise NV.
Deddens, Bennett L .................. Disclosed no conflict of interest.
Dedecker, Sarah .................. Disclosed no conflict of interest.
DeFrate, Louis E .................. Disclosed no conflict of interest.
DeFroda, Steven .................. Disclosed no conflict of interest.
DeGaetano, Amy .................. Disclosed no conflict of interest.
Degen, Ryan .................. Disclosed no conflict of interest.
Deguchi, Toru .................. Disclosed no conflict of interest.
Deignan, Emily .................. Disclosed no conflict of interest.
Dekhne, Mihir .................. Disclosed no conflict of interest.
Dekker, Travis J .................. Disclosed no conflict of interest.
Deland III, Jonathan T .................. Disclosed no conflict of interest.
Delaney, Lauren J ...................... Disclosed no conflict of interest.
Delaney, Sean P ....................... Disclosed no conflict of interest.
Delany, Sean P ....................... Disclosed no conflict of interest.
Delco, Michelle L ..................... Disclosed no conflict of interest.
Delcroix, Gaetan ....................... Disclosed no conflict of interest.
Delgado, Domenica .................... Disclosed no conflict of interest.
Della Valle, Craig J .................. 4: Zimmer-Biomet.
Dellamary, Luis ....................... 3A: Samumed, LLC; 4: Samumed, LLC.
Deloney, Marcus A ..................... Disclosed no conflict of interest.
DeLong, Alex ......................... Disclosed no conflict of interest.
Delp, Scott ............................ Disclosed no conflict of interest.
Delp, Scott L ......................... Disclosed no conflict of interest.
Delsorro, Sean M ...................... Disclosed no conflict of interest.
Delury, Craig ......................... 3A: Biocomposites Ltd.
DeMeo, Patrick J ...................... Disclosed no conflict of interest.
Demetropoulos, Constantine A .... 2: Exactech, Inc, Integra LifeSciences, Stryker, Wright Medical Technology, Inc; 3B: Exactech, Inc, Integra LifeSciences, RTI Surgical, Stryker, Wright Medical Technology, Inc; 5: Integra LifeSciences.
Demidov, Valentin ................... Disclosed no conflict of interest.
Demiya, Koji .......................... Disclosed no conflict of interest.
Demott, Connor J .................... Disclosed no conflict of interest.
Dempsey, Ian .......................... Disclosed no conflict of interest.
Denehy, Kevin ......................... Disclosed no conflict of interest.
Deng, Feiyang ......................... Disclosed no conflict of interest.
Deng, Gang ............................ Disclosed no conflict of interest.
Deng, Jin .............................. Disclosed no conflict of interest.
Deng, Lianfu ......................... Disclosed no conflict of interest.
Deng, Siyu ............................ Disclosed no conflict of interest.
Deng, Xianghua ...................... Disclosed no conflict of interest.
Deng, Xiang-Hua ..................... Disclosed no conflict of interest.
Deng, Zhenhan ....................... Disclosed no conflict of interest.
Denney, Brandon ..................... Disclosed no conflict of interest.
Denney, Thomas S .................... Disclosed no conflict of interest.
Dennis, Douglas A ................... Disclosed no conflict of interest.
Dennis, Garrett .................. Disclosed no conflict of interest.
Dennis, James E .................. 1: OSIRIS; 4: OSIRIS, BIOTIME.
Dennison, Christopher R .......... Disclosed no conflict of interest.
DENOEUD, Cyprien ............... Disclosed no conflict of interest.
d'Entremont, Agnes G ............ Disclosed no conflict of interest.
Deren, Matthew .................. 5: Stryker research grant - not associated with this project.
D'Emminio, Danielle N .......... Disclosed no conflict of interest.
Desai, Salomi .................... Disclosed no conflict of interest.
DeSanto, Matthew .............. Disclosed no conflict of interest.
Deshmukh, Subodh C ............ Disclosed no conflict of interest.
Deshmukh, Vishal ............... 3A: Samumed, LLC; 4: Samumed, LLC.
DesJardins, John ............... Disclosed no conflict of interest.
Desjardins, Sarah ............... Disclosed no conflict of interest.
Devadas, Deepika .............. Disclosed no conflict of interest.
Devana, Sai ...................... Disclosed no conflict of interest.
Devereaux, Emily J ............ Disclosed no conflict of interest.
Deveza, Lorenzo ............... 4: Lento Medical Inc.; Omnes Medical Inc.
Devismes, Morgane ............. Disclosed no conflict of interest.
DeWall, Ryan ..................... 3A: DePuy Synthes; 4: Johnson & Johnson.
Dewan, Varun .................... Disclosed no conflict of interest.
Dey, Devaveena ................. Disclosed no conflict of interest.
Dhafer, Yasin .................... Disclosed no conflict of interest.
Dharia, Mehul A ............... 3A: Zimmer Biomet; 4: Zimmer Biomet.
Dhavalikar, Prachi ............. Disclosed no conflict of interest.
Dhole, Atharva .................. Disclosed no conflict of interest.
Di Bella, Claudia ............... Disclosed no conflict of interest.
Dlaz, Connor G ................. Disclosed no conflict of interest.
Dibbern, Kevin .................. Disclosed no conflict of interest.
Dibbern, Kevin N ............... Disclosed no conflict of interest.
Dickerson, Darryl A ............ 4: Advanced Regenerative Tech.
Dickerson, Edward ............. Disclosed no conflict of interest.
Dickerson, Mary ............... Disclosed no conflict of interest.
Dicks, Amanda .................. Disclosed no conflict of interest.
Didesch, Jacob T ............... Disclosed no conflict of interest.
DiDonato, Joseph A ............ 5: Orthofix.
Diefenbeck, Michael ....................... 3A: PAID EMPLOYEE for BONE SUPPORT AB.

Diehl, Jennifer .......................... Disclosed no conflict of interest.

Diercks, Ron L ............................. 8: member, editorial board AJSM.

Dietrich, Fabrícia ....................... Disclosed no conflict of interest.

Dietrich-Zagonel, Franciele ............ Disclosed no conflict of interest.

Dietz, Matthew .......................... 3B: Heraeus Medical; 4: Synotrac/Graftworx; 9: American Academy of Orthopaedic Surgeons, Board or Committee Member; American Association of Hip and Knee Surgeons, Board or Committee Member.

DiGeorgio, Caitlin E ..................... 3A: Caitlin DiGeorgio.

Dighe, Abhijit .......................... Disclosed no conflict of interest.

DiGiovanni, Ryan ........................ Disclosed no conflict of interest.

Dimitrov, George ....................... Disclosed no conflict of interest.

Dimtchev, Alexander ................... Disclosed no conflict of interest.

Dines, David M .......................... 1: Zimmer Biomet.

Dinescu, A. Teodora .................... Disclosed no conflict of interest.

Ding, Jing ............................... Disclosed no conflict of interest.

Ding, Yuanjing .......................... Disclosed no conflict of interest.

Ding, Yurun ............................. Disclosed no conflict of interest.

Dingle, Marvin .......................... Disclosed no conflict of interest.

Dinh, Vu ................................. Disclosed no conflict of interest.

Dirksen, Jessica ....................... 3A: PAID EMPLOYEE for BONE SUPPORT AB.

Disch, Alexander C ..................... Disclosed no conflict of interest.

Disser, Nathaniel P ..................... Disclosed no conflict of interest.

DiStefano, Tyler J ........................ Disclosed no conflict of interest.

Divi, Srikanth N ........................ Disclosed no conflict of interest.

Dix, Thomas A ........................... Disclosed no conflict of interest.

Dixit, Nikhil ............................ Disclosed no conflict of interest.

Dixit, Uma S .............................. Disclosed no conflict of interest.

Dixon, J Brandon ....................... Disclosed no conflict of interest.

D’Lima, Darryl D ....................... Disclosed no conflict of interest.

D’Lima, Dominique ..................... Disclosed no conflict of interest.

Dmitriev, Anton ........................ Disclosed no conflict of interest.

Do, Le .................................. Disclosed no conflict of interest.

Do, Long ................................. 3A: Samumed, LLC; 4: Samumed, LLC.

Doan, Gary W ........................... Disclosed no conflict of interest.

Doan, Thanh ............................. Disclosed no conflict of interest.
Doan, Thanh N ......................... Disclosed no conflict of interest.
Dobransky, Johanna ....................... Disclosed no conflict of interest.
Dobrasevic, Nicolas M .................. Disclosed no conflict of interest.
Dodge, George R ......................... 4: Celgene, DowPudont; 6: Zimmer Biomet; 8: Editorial Board of Matrix Biology, Editorial Board of JExpOrtho; 9: ORS Ethics Committee.
Doering, Travis ......................... Disclosed no conflict of interest.
Doerre, Teresa ........................... Disclosed no conflict of interest.
Doherty, Laura ........................... Disclosed no conflict of interest.
Doi, Nobunao ........................... Disclosed no conflict of interest.
Doita, Minoru ........................... Disclosed no conflict of interest.
Dolor, Aaron ........................... Disclosed no conflict of interest.
Dombrowski, Malcolm E. ............... Disclosed no conflict of interest.
Domenighetti, Andrea A .................. Disclosed no conflict of interest.
Domingo, Ashley ........................ Disclosed no conflict of interest.
Dominguez, Lillian ....................... Disclosed no conflict of interest.
Donahue, Henry .......................... 9: ORS.
Donahue, Henry J ......................... Disclosed no conflict of interest.
Donaldson, James ....................... Disclosed no conflict of interest.
Donaldson, William ..................... Disclosed no conflict of interest.
Donde, Sonia ........................... 3A: Stryker; 4: Stryker.
Donegan, Niles P. ......................... Disclosed no conflict of interest.
Dong, David ........................... Disclosed no conflict of interest.
Dong, Qing ........................... Disclosed no conflict of interest.
Dong, Yonghui ........................... Disclosed no conflict of interest.
Dong, Yufeng ........................... Disclosed no conflict of interest.
Dong, Zhengquan ......................... Disclosed no conflict of interest.
Donius, Amalie E ......................... Disclosed no conflict of interest.
Donovan, Kara ........................ Disclosed no conflict of interest.
Dooley, Dylan .......................... Disclosed no conflict of interest.
Dooley, Emily .......................... Disclosed no conflict of interest.
Dooner, Mark .......................... Disclosed no conflict of interest.
Doornberg, Job N ....................... Disclosed no conflict of interest.
Dorn, Harry C .......................... Disclosed no conflict of interest.
Dornan, Grant J ....................... Disclosed no conflict of interest.
Dornan, Grant J ....................... Disclosed no conflict of interest.
Doty, Stephen B ............... Disclosed no conflict of interest.
Dow, Steven ....................... Disclosed no conflict of interest.
Dowe, Christina ..................... Disclosed no conflict of interest.
Doyel, Ryan ......................... Disclosed no conflict of interest.
Doyeux, Vincent .................... Disclosed no conflict of interest.
Doyle, Stephanie ................... Disclosed no conflict of interest.
Drago, John ........................ Disclosed no conflict of interest.
Drakos, Mark ........................ 1: Extremity Medical; 3C: Extremity Medical, FastForm, Pitusan 360.
Drewelow, Grant ................... Disclosed no conflict of interest.
Drewelow, Grant A .................. Disclosed no conflict of interest.
Drissi, Hicham ....................... Disclosed no conflict of interest.
Drissi, Hicham M ................... Disclosed no conflict of interest.
Du, Guoqing ......................... Disclosed no conflict of interest.
Du, Jerry Y. ........................ Disclosed no conflict of interest.
Du, Zhe ....................... Disclosed no conflict of interest.
Dua, Rupak ......................... Disclosed no conflict of interest.
Duan, Gang ......................... Disclosed no conflict of interest.
Duan, Xin .......................... Disclosed no conflict of interest.
Duan, Zhenfeng ..................... Disclosed no conflict of interest.
Duance, Vic C. ........................ Disclosed no conflict of interest.
Dubose, Amanda ...................... Disclosed no conflict of interest.
Dubowitz, Rebecca .................. Disclosed no conflict of interest.
Dubyak, George ..................... Disclosed no conflict of interest.
Duchi, Serena ....................... Disclosed no conflict of interest.
Duclos, Sarah E ...................... Disclosed no conflict of interest.
Duda, Georg N ....................... Disclosed no conflict of interest.
Dudakovic, Amel ................... Disclosed no conflict of interest.
Dudhia, Jayesh ....................... Disclosed no conflict of interest.
Dudzinski, Ellen .................... Disclosed no conflict of interest.
Duever, Tom ......................... Disclosed no conflict of interest.
Duhon, Bradley ..................... 3C: SI-Bone.
Duke, James B ....................... 3B: Exactech Inc.
Dulal, Asmita ....................... Disclosed no conflict of interest.
Dun, Shouchen ...................... 3A: DePuy Synthes Joint Reconstruction.
Dun, Shouchen ...................... 3A: DePuy Synthes.
Dunbar, Laura ........................................... Disclosed no conflict of interest.

Dunbar, Michael ........................................ 1: Stryker; 3B: Stryker; 5: Stryker, Zimmer, DePuy, Wright Medical; 8: BJJ.

Dunbar, Michael J. ........................................ 1: Stryker; 3B: Stryker; 5: Stryker, Depuy, Smith & Nephew.

Dunbar, Nicholas J ........................................ Disclosed no conflict of interest.

Dundas, Sinclair ........................................... Disclosed no conflict of interest.

Dunkley, Ian .............................................. 3A: Medtronic; 4: Medtronic.

Dunlap, Erin ........................................... Disclosed no conflict of interest.

Dunman, Paul ........................................... Disclosed no conflict of interest.

Dunning, Hans ........................................... Disclosed no conflict of interest.

Dunton, Cody ........................................... Disclosed no conflict of interest.

Durand, Wesley ........................................... Disclosed no conflict of interest.

Duren, Dana L ........................................... Disclosed no conflict of interest.

Durgam, Sushmitha ........................................ Disclosed no conflict of interest.

Durney, Krista M ........................................ Disclosed no conflict of interest.

Dürselmen, Lutz ........................................... Disclosed no conflict of interest.

Dusane, Devendra H ........................................ Disclosed no conflict of interest.

Dussik, Christopher ........................................ Disclosed no conflict of interest.

Duvall, Craig L ........................................... Disclosed no conflict of interest.

Dwivedi, Garima ........................................... Disclosed no conflict of interest.

Dybner, Elena ........................................... Disclosed no conflict of interest.

Dyment, Nathaniel ........................................ Disclosed no conflict of interest.

Dyment, Nathaniel A ........................................ Disclosed no conflict of interest.

Dzelzainis, Tom ........................................... Disclosed no conflict of interest.

Dzidotor, Godwin ........................................ Disclosed no conflict of interest.

Dzuricky, Anna T ........................................ Disclosed no conflict of interest.

Early, Ryanne ........................................... 3B: Ryanne Early.

Eash, Colin ........................................... Disclosed no conflict of interest.

Easley, Jeremiah ........................................ Disclosed no conflict of interest.

Easson, Garrett W ........................................ Disclosed no conflict of interest.

Easson, Garrett W.D. ................................ Disclosed no conflict of interest.

Eastell, Richard ........................................ Disclosed no conflict of interest.

Eberhardt, Alan ........................................ Disclosed no conflict of interest.

Eberhardt, Timothy D ................................ Disclosed no conflict of interest.

Eberlein, Samuel A ................................ Disclosed no conflict of interest.

Eberli, Ursula ........................................... Disclosed no conflict of interest.
Ebinger, Kathrin ................. Disclosed no conflict of interest.

Ebrahimi, Mohammadhossein..... Disclosed no conflict of interest.

Ebrahimzadeh, Mohammad H .... Disclosed no conflict of interest.

Ebramzadeh, Edward ............... 5: DePuy Synthes, Spinal Kinetics, Nuvasive, Wright Medical, Monogram, NIH.

Ebramzadeh, Edward ............... 5: Depuy, Wright Medical, Monogram, NuVasive.


Eby, Michael ......................... Disclosed no conflict of interest.

Eby, Michael R ...................... Disclosed no conflict of interest.

Eccles, Christian ................... Disclosed no conflict of interest.

Eck, Andrew ......................... Disclosed no conflict of interest.

Ecklund, Kirsten ................. Disclosed no conflict of interest.

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Eckstein, Kevin ..................... Disclosed no conflict of interest.

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Egan, Ben ......................... Disclosed no conflict of interest.

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Egawa, Satoru ....................... 6: HOYA Technosurgical.

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Egler, Andrea ...................... Disclosed no conflict of interest.

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Erickson, Christopher .................. Disclosed no conflict of interest.
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Ernsberger, Craig ....................... Disclosed no conflict of interest.
Esaki, Ryusaku .......................... Disclosed no conflict of interest.
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Ezzibdeh, Rami .................................. Disclosed no conflict of interest.

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Fang, Fang ............................ Disclosed no conflict of interest.
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Fang, Taolin ......................... Disclosed no conflict of interest.
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Fangqing, Chen ..................... Disclosed no conflict of interest.
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Farmer, James ...................... Disclosed no conflict of interest.
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Farrow, Emily ....................... Disclosed no conflict of interest.
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Fearing, Bailey V .................. Disclosed no conflict of interest.
Feeley, Brian T ...................... Disclosed no conflict of interest.
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Feng, Meng ...................... Disclosed no conflict of interest.

Feng, Wei ........................ Disclosed no conflict of interest.

Feng, Yi .......................... Disclosed no conflict of interest.

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Ferguson, Daniel ............... 6: Orthofix.

Ferguson, Virginia ............. Disclosed no conflict of interest.

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Ferreira, Louis .................. Disclosed no conflict of interest.

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Ferrigno, Christopher ....... Disclosed no conflict of interest.

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Fertala, Jolanta ............... Disclosed no conflict of interest.

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Feuer, Grant ..................... Disclosed no conflict of interest.

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Fields, Aaron J.................... Disclosed no conflict of interest.
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Filippi, Christopher............... Disclosed no conflict of interest.
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Finn, Erin E........................ Disclosed no conflict of interest.
Finnilä, Mikko...................... Disclosed no conflict of interest.
Fisch, Kathleen..................... Disclosed no conflict of interest.
Fisch, Matthew..................... Disclosed no conflict of interest.
Fischer, Arielle G................... Disclosed no conflict of interest.
Fischer, Nicholas G................ Disclosed no conflict of interest.
Fischer, Verena...................... Disclosed no conflict of interest.
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Fisher, John P....................... Disclosed no conflict of interest.
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Fisher, Matthew B................... Disclosed no conflict of interest.
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Fitzgerald, Keith................... Disclosed no conflict of interest.
Fitzpatrick, Clare.................. Disclosed no conflict of interest.
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Flanagan, Ann..................... Disclosed no conflict of interest.
Flanagan, Christopher D........... Disclosed no conflict of interest.
Flanigan, Ann...................... Disclosed no conflict of interest.
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Flynn, Michael J ......................... Disclosed no conflict of interest.

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Font Tellado, Sònia ...................... Disclosed no conflict of interest.

Fontanarosa, Davide ..................... Disclosed no conflict of interest.

Foolen, Japer .......................... Disclosed no conflict of interest.

Foolen, Jasper .......................... Disclosed no conflict of interest.

Ford, Caleb A .......................... Disclosed no conflict of interest.

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Forsberg, Jonathan A ………… 3B: Multiple; 3C: Multiple; 5: Multiple.

Forsyth, Christopher ………… Disclosed no conflict of interest.

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Fort, Brian P ………… Disclosed no conflict of interest.

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Froehlich, John A Disclosed no conflict of interest.

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Fu, Freddie Disclosed no conflict of interest.

Fu, Freddie H 8: American Journal of Sports Medicine, Knee Surgery, Sports Traumatology, Arthroscopy; 9: ISAKOS.

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Fujimoto, Toru .......................... Disclosed no conflict of interest.
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Fujisaki, Mari .......................... Disclosed no conflict of interest.
Fujisawa, Ryota .......................... Disclosed no conflict of interest.
Fujisawa, Takahiro .......................... Disclosed no conflict of interest.
Fujita, Nobuyuki .......................... Disclosed no conflict of interest.
Fujita, Ryo .......................... Disclosed no conflict of interest.
Fujitani, Teruaki .......................... Disclosed no conflict of interest.
Fujito, Toshitaka .......................... Disclosed no conflict of interest.
Fujiwara, Hiroyoshi .......................... Disclosed no conflict of interest.
Fujiwara, Shuichi .......................... Disclosed no conflict of interest.
Fujiwara, Tomohiro .......................... Disclosed no conflict of interest.
Fujiwara, Toshiyoshi .......................... Disclosed no conflict of interest.
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Fukase, Naomasa .......................... Disclosed no conflict of interest.
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Fukuda, Koji .................................. Disclosed no conflict of interest.
Fukui, Kiyokazu .......................... Disclosed no conflict of interest.
Fukui, Tomoaki .......................... Disclosed no conflict of interest.
Fukuoka, Natsuko .......................... Disclosed no conflict of interest.
Fukushi, Jun-ichi .......................... Disclosed no conflict of interest.
Fukushima, Shigenobu .......................... Disclosed no conflict of interest.
Fukushima, Wakaba .......................... Disclosed no conflict of interest.
Fukuyoshi, Masaki .......................... Disclosed no conflict of interest.
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Fung, Ashley K .......................... Disclosed no conflict of interest.
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Funk, Graham A .......................... Disclosed no conflict of interest.
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Furu, Moritoshi \textit{Disclosed no conflict of interest.} \\
Furukawa, Jun-ichi \textit{Disclosed no conflict of interest.} \\
Furukawa, Ken-ichi \textit{Disclosed no conflict of interest.} \\
Furumatsu, Takayuki \textit{Disclosed no conflict of interest.} \\
Gaber, Timo \textit{Disclosed no conflict of interest.} \\
Gabr, Refaat \textit{Disclosed no conflict of interest.} \\
Gabrielli, Alexandra S \textit{Disclosed no conflict of interest.} \\
Gaffney, Brecca M. M. \textit{Disclosed no conflict of interest.} \\
Gaffney, Brecca M.M. \textit{Disclosed no conflict of interest.} \\
Gaffney-Stomberg, Erin \textit{Disclosed no conflict of interest.} \\
Gagnier, Joel J \textit{Disclosed no conflict of interest.} \\
Gagnon, Sophie \textit{Disclosed no conflict of interest.} \\
Gahlowt, Abhipray \textit{Disclosed no conflict of interest.} \\
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Gale, Tom \textit{Disclosed no conflict of interest.} \\
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Gallagher, Michelle B \textit{3A: Titan Spine, LLC.} \\
Gallego-Perez, Daniel \textit{Disclosed no conflict of interest.} \\
Gallien, Thomas \textit{Disclosed no conflict of interest.} \\
Galloway, Chad \textit{Disclosed no conflict of interest.} \\
Galloway, Jenna L \textit{Disclosed no conflict of interest.} \\
Galmiche, Romain \textit{Disclosed no conflict of interest.} \\
Galoian, Karina A \textit{Disclosed no conflict of interest.} \\
Gamada, Kazuyoshi \textit{Disclosed no conflict of interest.} \\
Gammal, Isaac \textit{Disclosed no conflict of interest.} \\
Gan, Lebin \textit{Disclosed no conflict of interest.} \\
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Gandhi, Anup \textit{3A: Zimmer Biomet.} \\
Gandhi, Rajiv \textit{Disclosed no conflict of interest.} \\
Gandhi, Sapan \textit{Disclosed no conflict of interest.} \\
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Ganta, Deepak Disclosed no conflict of interest.
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Gao, Xueqin Disclosed no conflict of interest.
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Garcia, Dioscaris R 4: BI Medical, LLC.
Garcia, Eduardo Disclosed no conflict of interest.
Garcia, Emma Disclosed no conflict of interest.
Garcia, Issamar Disclosed no conflict of interest.
Garcia, Luisa A Disclosed no conflict of interest.
Garcia-Godoy, Franklin Disclosed no conflict of interest.
Garcia-Melchor, Emma Disclosed no conflict of interest.
Gardinier, Joseph Disclosed no conflict of interest.
Gardner, Stephanie S Disclosed no conflict of interest.
Garellick, Göran Disclosed no conflict of interest.
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Garrett, John .............................. Disclosed no conflict of interest.
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Garriga, Cesar .............................. Disclosed no conflict of interest.
Garrigues, Grant .............................. Disclosed no conflict of interest.
Garrigues, Grant E. .............................. Disclosed no conflict of interest.
Gartland, Alison .............................. Disclosed no conflict of interest.
Gaston, Brandon .............................. Disclosed no conflict of interest.
Gaston, Paul .............................. Disclosed no conflict of interest.
Gatenholm, Birgitta .............................. Disclosed no conflict of interest.
Gatto, Jonathan .............................. Disclosed no conflict of interest.
Gautam, Aarti .............................. Disclosed no conflict of interest.
Gauthier, Paul .............................. Disclosed no conflict of interest.
Gauthier-Kwan, Olivier .............................. Disclosed no conflict of interest.
Gawronski, Karissa M.B. .............................. Disclosed no conflict of interest.
Gazit, Dan .............................. Disclosed no conflict of interest.
Gazit, Zulma .............................. Disclosed no conflict of interest.
Ge, Laurence .............................. Disclosed no conflict of interest.
Gean, Richard P .............................. Disclosed no conflict of interest.
Gebhard, Florian .............................. Disclosed no conflict of interest.
Gebre, Robel Kebede .............................. Disclosed no conflict of interest.
Geeroms, Carla .............................. Disclosed no conflict of interest.
Gehrke, Corinn K .............................. Disclosed no conflict of interest.
Geijer, Mats .............................. Disclosed no conflict of interest.
Geishecker, Emily .............................. Disclosed no conflict of interest.
Geissler, Joseph R .............................. Disclosed no conflict of interest.
Geissler, Sven .............................. Disclosed no conflict of interest.
Gelberman, Richard H .............................. 1: Medartis; 8: JBJS.
Gelfman, Russell .............................. Disclosed no conflict of interest.
Gelinsky, Michael .............................. Disclosed no conflict of interest.
Gella, Sreenadh .............................. Disclosed no conflict of interest.
Gellici, Klara .............................. Disclosed no conflict of interest.
Geller, Jeffrey .............................. 3B: Smith & Nephew; 5: Smith & Nephew; OrthoSensor.
Geller, Jeffrey A .............................. 3B: Smith & Nephew.
Gelleta, Abera W .................. Disclosed no conflict of interest.
Genin, Guy M ...................... Disclosed no conflict of interest.
Gentaro Kumagai, Gentaro .... Disclosed no conflict of interest.
George, Akash K .................. Disclosed no conflict of interest.
George, Andrew .................. Disclosed no conflict of interest.
George, Clint ..................... Disclosed no conflict of interest.
george, Jaiben ..................... Disclosed no conflict of interest.
Gepner, Bronislaw D ............. Disclosed no conflict of interest.
Gersbach, Charles ................. Disclosed no conflict of interest.
Gerstenfeld, Louis ............... 8: Journal of Orthopaedic Research, Current Osteoporosis Reports, Nature Scientific Reports.
Gerstenfeld, Louis C ............ 8: Journal of Orthopaedic Research, Current Osteoporosis Reports, Nature Scientific Reports.
Geske, Jennifer .................. Disclosed no conflict of interest.
Getgood, Alan .................... 3B: Smith and Nephew, Ossur, Collagen Solutions; 5: Smith and Nephew, Ossur, Eupraxia, Arthrex.
Getty, Patrick J .................. Disclosed no conflict of interest.
Ghanem, Elie ..................... Disclosed no conflict of interest.
Gharaibeh, Burhan ............... Disclosed no conflict of interest.
Ghataure, Jaskirti K ............. Disclosed no conflict of interest.
Ghias, Abdullah .................. 3A: Samumed, LLC; 4: Samumed, LLC.
Ghiasi, Mohammad Sadegh ....... Disclosed no conflict of interest.
Ghivizzani, Steven ............... Disclosed no conflict of interest.
Ghosh, Paulomi .................. Disclosed no conflict of interest.
Ghouchani, Azadeh .............. Disclosed no conflict of interest.
Giambini, Hugo .................. Disclosed no conflict of interest.
Giavaresi, Gianluca .............. 5: Fidia Farmaceutici S.p.A.
Gibbons, Kalin .................. Disclosed no conflict of interest.
Gibbs, Liliane ................... Disclosed no conflict of interest.
Gibian, Joseph T .................. Disclosed no conflict of interest.
Gibson, Breanne H.Y .......... Disclosed no conflict of interest.
Gibson, Margaret ............... Disclosed no conflict of interest.
Gil, Dmitry ...................... Disclosed no conflict of interest.
Gillardino, Mirko ............... Disclosed no conflict of interest.
Gilbert, Jeremy L ............... 3B: Through Syracuse Biomaterials - Zimmer Biomet, Stryker Orthopedics, Smith and Nephew, Mirus, Woven Orthopedics, Bayer, Pfizer, DePuy Synthes, Medtronic, OmniLife Sciences, TAV Medical; 5: Through Clemson University, Amedica, Inc., Baus
Gilbert, Jeremy L .................. 1: Syracuse University (Garwood Medical); 3B: Medtronic, Stryker Orthopaedics, Smith and Nephew, Depuy Synthes, Omnilife Science, Zimmer Biomet, Pfizer, Bayer, TAV Medical, Woven Orthopedic Technologies, MIRUS; 4: Owner Syracuse Bio-M

Gilbert, Jeremy L .................. 1: Syracuse University; 3B: Medtronic, Stryker Orthopaedics, Smith and Nephew, Depuy Synthes, Omnilife Science, Zimmer Biomet, Pfizer, Bayer, TAV Medical, Woven Orthopedic Technologies, MIRUS; 4: Syracuse Biomaterials Company LLC; 5

Gilbert, Sophie .................... Disclosed no conflict of interest.

Gilbertie, Jessica M ................ Disclosed no conflict of interest.

Gill, Steve .......................... Disclosed no conflict of interest.

Gill, Steven R ........................ Disclosed no conflict of interest.

Gill, Steven R ........................ Disclosed no conflict of interest.

Gillespie, Callan M ................. 1: simVITRO.

Gillespie, Heather .................. Disclosed no conflict of interest.

Gillies, Austin P .................... Disclosed no conflict of interest.

Gillis, Kiersten ..................... Disclosed no conflict of interest.

Gilmour, Laura J .................... 4: Laura Gilmour.

Gimpel, Mo .......................... Disclosed no conflict of interest.

Gingery, Anne ....................... Disclosed no conflict of interest.

Gionet-Gonzales, Marissa .......... Disclosed no conflict of interest.

Giorgi, Mario ........................ Disclosed no conflict of interest.

Giori, Nicholas ..................... Disclosed no conflict of interest.

Girard, Christine ................... Disclosed no conflict of interest.

Girardi, Federico P .................. Disclosed no conflict of interest.

Gistelinck, Charlotte ............... Disclosed no conflict of interest.

Gittings, Daniel ..................... Disclosed no conflict of interest.

Giza, Eric ........................... Disclosed no conflict of interest.

Glaeser, Juliane D ................... Disclosed no conflict of interest.

Glant, Tibor T ....................... Disclosed no conflict of interest.

Glatt, Vaida .......................... Disclosed no conflict of interest.

Glenboski, Joshua R ................. 3A: EXACTECH INC.

Glennon, Joseph C ................... 4: ReVivo Medical.

Glennon, Sean ....................... Disclosed no conflict of interest.

Glimcher, Laurie H .................. 4: Laurie H. Glimcher is on the board of directors of and holds equity in the GlaxoSmithKline and Waters Corporations. She is also a founder of Quentis Pharmaceuticals.

Glogauer, Michael ................... Disclosed no conflict of interest.

Glowacki, Julie ...................... 8: Metabolism - Clinical and Experimental.

Gluck, Matthew J ................... Disclosed no conflict of interest.
Glyn-Jones, Siôn .................. Disclosed no conflict of interest.
Godbout, Charles .................. Disclosed no conflict of interest.
Godfrey, Dana A .................. Disclosed no conflict of interest.
Goebel, Lars ...................... Disclosed no conflict of interest.
Goebel, Lars K. H. .................. Disclosed no conflict of interest.
Goel, Vijay .................. 1: Paradigm Spine, Joimax, Globus, Endosphere, Butterfly; 4: Spinal Balance, OsteoNovus,
Goelzer, Matthew .................. Disclosed no conflict of interest.
Goetz, Jessica .................. Disclosed no conflict of interest.
Gogal, Robert .................. Disclosed no conflict of interest.
Golarai, Ahmad .................. Disclosed no conflict of interest.
Gold, Garry .................. 5: GE Healthcare.
Gold, Garry E .................. Disclosed no conflict of interest.
Gold, Jonathan .................. Disclosed no conflict of interest.
Gold, Peter .................. Disclosed no conflict of interest.
Goldberg, David .................. Disclosed no conflict of interest.
Goldman, Julia .................. Disclosed no conflict of interest.
Goldman, Julia L .................. Disclosed no conflict of interest.
Goldring, Hannah R .................. Disclosed no conflict of interest.
Goldring, Steven R .................. Disclosed no conflict of interest.
Goldstein, Todd A .................. Disclosed no conflict of interest.
Goljan, Peter .................. Disclosed no conflict of interest.
Goljanek-Whysall, Katarzyna ..... Disclosed no conflict of interest.
Golman, Mikhail .................. Disclosed no conflict of interest.
Gómez-Aristizábal, Alejandro ..... Disclosed no conflict of interest.
Gondo, Hirotaka .................. Disclosed no conflict of interest.
Gong, He .................. Disclosed no conflict of interest.
Gontarz, Paul .................. Disclosed no conflict of interest.
González Díaz, Eva C .................. Disclosed no conflict of interest.
Gonzalez Fernandez, Tomas ...... Disclosed no conflict of interest.
Gonzalez Flores, Jesus G........... Disclosed no conflict of interest.
Gonzalez Vazquez, Arlyng G........ Disclosed no conflict of interest.
Gonzalez, Mark ........................ Disclosed no conflict of interest.
Gonzalez, Mark H........................ Disclosed no conflict of interest.
Gonzalez, Sabrina ...................... Disclosed no conflict of interest.
Goodale, Margaret ..................... Disclosed no conflict of interest.
Goode, Adam P ......................... Disclosed no conflict of interest.
Goodlett, Michael D .................... Disclosed no conflict of interest.
Goodman, Howard ...................... Disclosed no conflict of interest.
Goodman, Stuart ........................ Disclosed no conflict of interest.
Goodman, Stuart B ...................... Disclosed no conflict of interest.
Goodrich, Laurie R ..................... 4: Advanced Regenerative Therapies.
Goodspeed, Dave ....................... Disclosed no conflict of interest.
Goodwin, Jill .......................... Disclosed no conflict of interest.
Gopalakrishnan, Ananthkrishnan 3A: Stryker Orthopedics.
Gopalakrishnan, Ananthkrishnan 3A: Stryker; 4: Stryker.
Gordish-Dressman, Heather .......... Disclosed no conflict of interest.
Gordon, Max .......................... Disclosed no conflict of interest.
Gorgas, Evan .......................... Disclosed no conflict of interest.
Gori, Francesca ......................... Disclosed no conflict of interest.
Gorman, Catlea ......................... Disclosed no conflict of interest.
Gorman, Paul W ......................... Disclosed no conflict of interest.
Gorman, Tiffany ......................... Disclosed no conflict of interest.
Gormley, Adam J ....................... Disclosed no conflict of interest.
Gorny, Krzysztof ....................... Disclosed no conflict of interest.
Gorska, Anna .......................... Disclosed no conflict of interest.
Goto, Bunsei .......................... Disclosed no conflict of interest.
Goto, Hideyuki ......................... Disclosed no conflict of interest.
Goto, Katsumasa ....................... Disclosed no conflict of interest.
Goto, Norio ............................ Disclosed no conflict of interest.
Goto, Tsuyoshi ......................... Disclosed no conflict of interest.
Gottardi, Riccardo ..................... Disclosed no conflict of interest.
Goudy, Steven ............................... Disclosed no conflict of interest.
Goudy, Steven L .............................. Disclosed no conflict of interest.
Govea, Nicolas ................................. Disclosed no conflict of interest.
Gower, Laurie ................................. Disclosed no conflict of interest.
Goyette, David ................................. Disclosed no conflict of interest.
Gozen, Arda .......................... 5: Regeneron Pharmaceuticals.
Grabiner, Mark D .............................. 8: Editorial Board Medicine & Science in Sports & Exercise.
Graca, Goncalo ................................. Disclosed no conflict of interest.
Grad, Sibylle ................................. Disclosed no conflict of interest.
Graf, Adam ................................. Disclosed no conflict of interest.
Graf, Alexander ................................. Disclosed no conflict of interest.
Graf, Alexander R ............................. Disclosed no conflict of interest.
Graham, Robert ................................. Disclosed no conflict of interest.
Grammatopoulos, George ........................ Disclosed no conflict of interest.
Grande, Daniel .......................... 5: Orthofix.
Grande, Daniel ............................ 9: Secretary of ICRS.
Grande, Daniel A .......................... Disclosed no conflict of interest.
Grandi, Fiorella C .......................... Disclosed no conflict of interest.
Grandy, Emily ................................. Disclosed no conflict of interest.
Grange, Robert W .......................... Disclosed no conflict of interest.
Granger, Caroline .......................... Disclosed no conflict of interest.
Grant, Michael ................................. Disclosed no conflict of interest.
Grant, Michael P .......................... Disclosed no conflict of interest.
Grantz, Jillian M .......................... Disclosed no conflict of interest.
Grassi, Lorenzo .......................... Disclosed no conflict of interest.
Gray, Jason ................................. Disclosed no conflict of interest.
Gray, Ryan S ................................. Disclosed no conflict of interest.
Green, Stefan J .......................... Disclosed no conflict of interest.
Greenberg, Andrew .......................... 3B: Medartis.
Greenberg, David E .......................... Disclosed no conflict of interest.
Greenblatt, Matthew .......................... Disclosed no conflict of interest.
Greenblatt, Matthew B .......................... Disclosed no conflict of interest.
Greene, Alex .......................... 3A: Exactech, Inc.
Greene, Allison C .......................... Disclosed no conflict of interest.
Greene, David R .......................... Disclosed no conflict of interest.
Greenfield, Edward .................. Disclosed no conflict of interest.
Greenfield, Edward M .................. Disclosed no conflict of interest.
Greenwood, Mark C .................. Disclosed no conflict of interest.
Gregory, Adriana .................. Disclosed no conflict of interest.
Gregory, James M .................. 3C: Wright Medical; 5: Conventus Orthopaedics.
Greiner, Justin .................. Disclosed no conflict of interest.
Greis, Ken .................. Disclosed no conflict of interest.
Grice, Elizabeth A .................. Disclosed no conflict of interest.
Griffin, Maurice T. A .................. Disclosed no conflict of interest.
Griffin, Timothy M .................. 8: Osteoarthritis and Cartilage.
Griffith, A. Huntington .................. Disclosed no conflict of interest.
Griffiths, Michael W .................. Disclosed no conflict of interest.
Grindel, Steven .................. Disclosed no conflict of interest.
Grindy, Scott .................. Disclosed no conflict of interest.
Grinstaff, Mark .................. Disclosed no conflict of interest.
Grinstaff, Mark W .................. Disclosed no conflict of interest.
Grinstaff, Mark W .................. 4: FlexBiomedical, Inc, shares - no money yet.
Grinstein, Mor .................. Disclosed no conflict of interest.
Grisolia Seifert, Eric F .................. Disclosed no conflict of interest.
Griswold, Anthony J .................. Disclosed no conflict of interest.
Grodzinsky, Alan .................. 4: 3D Matrix, Japan; 5: Flexion Grant to MIT.
Grodzinsky, Alan .................. 4: 3D Matrix, Japan; 5: Grant to MIT from Flexion Therapeutics; 8: Editorial Board member for Osteoarthritis and Cartilage journal.
Grodzinsky, Alan J .................. Disclosed no conflict of interest.
Groff, Dustin M .................. Disclosed no conflict of interest.
Grogan, Shawn P .................. Disclosed no conflict of interest.
Grol, Matthew .................. Disclosed no conflict of interest.
Grol, Matthew W .................. Disclosed no conflict of interest.
Gross, Richard .................. Disclosed no conflict of interest.
Gross, Valerie .................. Disclosed no conflict of interest.
Gross, Wendy .................. Disclosed no conflict of interest.
Grosso, Matthew J .................. Disclosed no conflict of interest.
Grote, Caleb ... Disclosed no conflict of interest.
Gruber, Stacey MS ... Disclosed no conflict of interest.
Gruev, Viktor ... Disclosed no conflict of interest.
Grupp, Thomas M. ... 3A: Aesculap AG.
Grynpas, Marc ... Disclosed no conflict of interest.
Grynpas, Marc D. ... Disclosed no conflict of interest.
Gu, Jianguo G ... Disclosed no conflict of interest.
Gu, Joann ... Disclosed no conflict of interest.
Gu, Weiyong ... Disclosed no conflict of interest.
Guan, Yingjie ... Disclosed no conflict of interest.
Guang, Tingcong ... Disclosed no conflict of interest.
Guang, Young ... Disclosed no conflict of interest.
Guarise, Cristian ... 3A: Fidia Farmaceutici S.p.A.
Guelcher, Scott A ... 5: Medtronic.
Guerriere, Katelyn I ... Disclosed no conflict of interest.
Guilak, Farshid ... 3A: Cytex Therapeutics; 4: Cytex Therapeutics; 8: Journal of Biomechanics.
Guillaume, Tenner ... Disclosed no conflict of interest.
Guldberg, Robert ... Disclosed no conflict of interest.
Guldberg, Robert E. ... Disclosed no conflict of interest.
Gullbrand, Sarah ... Disclosed no conflict of interest.
Gullbrand, Sarah E ... Disclosed no conflict of interest.
Gullbrand, Sarah E ... Disclosed no conflict of interest.
Gulotta, Lawrence V ... 3B: Zimmer Biomet.
Guma, Monica ... Disclosed no conflict of interest.
Gunsch, Gilian ... Disclosed no conflict of interest.
Guo, Fengjing ... Disclosed no conflict of interest.
Guo, Jiachao ... Disclosed no conflict of interest.
Guo, Li ... Disclosed no conflict of interest.
GUO, PING ... Disclosed no conflict of interest.
Guo, Ting ... Disclosed no conflict of interest.
Guo, Wei ... Disclosed no conflict of interest.
Guo, Wendi ... Disclosed no conflict of interest.
Guo, X. Edward ... 8: Journal of Bone and Mineral Research.
Gupta, Ashim ... Disclosed no conflict of interest.
Gupta, Munish ... 1: DePuy; 2: DePuy; 3B: DePuy; 4: Johnson&Johnson; Proctor and Gamble.
Gupta, Munish C ...................... 1: DePuy; 2: DePuy; 3B: DePuy; 4: Johnson & Johnson, Procter and Gamble.

Gupte, Chinmay M .................. Disclosed no conflict of interest.

Gurevich, Mikhail .................. Disclosed no conflict of interest.

Guss, Jason D ...................... Disclosed no conflict of interest.

Gustafson, Jonathan A .......... Disclosed no conflict of interest.

Guyton, James ..................... Disclosed no conflict of interest.

Guzek, Ryan ....................... Disclosed no conflict of interest.

Guzik, Jarod ....................... Disclosed no conflict of interest.

Gwark, Ji-Yong ................... Disclosed no conflict of interest.

Gwendolyn, Sowa .................. Disclosed no conflict of interest.

Gwynn, Olivia R .................. Disclosed no conflict of interest.

Gwynne, Peter J .................. Disclosed no conflict of interest.

H, William .......................... Disclosed no conflict of interest.

Ha, Chul-Won ..................... Disclosed no conflict of interest.

Ha, Pin ............................... Disclosed no conflict of interest.

Hacker, Steffen ................. Disclosed no conflict of interest.

Hackett, Eileen ................. Disclosed no conflict of interest.

Hackett, Thomas R ............. 2: Arthrex, Sonoma Orthopaedics; 3B: Arthrex; 4: NICE, Sonoma Orthopaedics; 5: Arthrex.

Hadap, Rahul V .................. Disclosed no conflict of interest.

Haddad, Fares ................. Disclosed no conflict of interest.


Hadley-Miller, Nancy .......... Disclosed no conflict of interest.

Haenri, Dominik ............... Disclosed no conflict of interest.

Haffey, Wendy ................... Disclosed no conflict of interest.

Haffner, Max ...................... Disclosed no conflict of interest.

Haffner-Luntzer, Melanie ...... Disclosed no conflict of interest.

Hagan, David ..................... Disclosed no conflict of interest.

Hagan, Mackenzie ............... Disclosed no conflict of interest.

Hagerty, Michael P .......... Disclosed no conflict of interest.

Haggerty, Agnes ............... Disclosed no conflict of interest.

Hagi, Tomohito .................. Disclosed no conflict of interest.

Hagiwara, Keiichi .............. Disclosed no conflict of interest.

Hagiwara, Yoshihiro .......... Disclosed no conflict of interest.

Hagiwara, Yusuke .............. Disclosed no conflict of interest.
Haglund, Lisbet ……….. Disclosed no conflict of interest.
Hai, Hu …………………… Disclosed no conflict of interest.
Haider, Amna ………….. Disclosed no conflict of interest.
Haishima, Yuji ………….. Disclosed no conflict of interest.
Hajaj, Erez ……………… Disclosed no conflict of interest.
Hakimiyan, Arnavaz A …… Disclosed no conflict of interest.
Hakukawa, Satoshi ……… Disclosed no conflict of interest.
Halanski, Matthew A …….. 6: Medtronic supplied implants used in this study.
Haldenby, Sam …………… Disclosed no conflict of interest.
Haleem, Abdul …………… Disclosed no conflict of interest.
Halilaj, Eni ……………… Disclosed no conflict of interest.
Hall, Andrew …………… Disclosed no conflict of interest.
Hall, Arielle ……………… Disclosed no conflict of interest.
Hall, Bailey M …………… Disclosed no conflict of interest.
Hall, Deborah …………… Disclosed no conflict of interest.
Hall, Deborah J ………….. 3B: Wright Medical Technology; 5: Wright Medical Technology, Zimmer; 9: ORS.
Hall, Deborah J ………….. 3B: Wright Medical Technology; 5: Wright Medical, Zimmer; 9: ORS.
Hall, MacGregor ………… Disclosed no conflict of interest.
Hall, Mary E …………….. Disclosed no conflict of interest.
Hall, Matthew …………… Disclosed no conflict of interest.
Hall, Stephen A ………….. Disclosed no conflict of interest.
Hallab, Nadim J ………….. Disclosed no conflict of interest.
Hallab, Nadim J ………….. 4: Orthopedic Analysis LLC.
Haller, Justin …………….. 3B: NewClip Technics, Acelity, AO North America; 9: OTA basic science committee.
Hallman, Mitchell J ……… Disclosed no conflict of interest.
Hallman, Mitchell J ……… Disclosed no conflict of interest.
Halloran, Jason P ……….. Disclosed no conflict of interest.
Halverstadt, Anne ……….. Disclosed no conflict of interest.
Halvorson, Ryan ………….. Disclosed no conflict of interest.
Hamad, Christopher D …… Disclosed no conflict of interest.
Hamad, Cyril …………….. 3A: Blue Ortho.
Hamada, Hidetoshi ……….. Disclosed no conflict of interest.
Hamada, Hiroaki ………….. Disclosed no conflict of interest.
Hamada, Takashi ………….. Disclosed no conflict of interest.

Hamaguchi, Satoshi .................. 6: Aimedic MMT.

Hamai, Ryo .................................. Disclosed no conflict of interest.

Hamai, Satoshi .......................... Disclosed no conflict of interest.

Hamamoto, Shuichi ..................... Disclosed no conflict of interest.

Hamano, Hiroki ......................... Disclosed no conflict of interest.

Hamasaki, Masanari ................... Disclosed no conflict of interest.

Hambright, William .................... Disclosed no conflict of interest.

Hambright, William S ................ Disclosed no conflict of interest.

Hamdani, Adib .......................... Disclosed no conflict of interest.

Hamed, Elham ............................ Disclosed no conflict of interest.

Hamid, Benjamin ....................... Disclosed no conflict of interest.

Hamilton, David ....................... 2: Stryker; 5: Stryker; 8: BMC Musculoskeletal Disorders.

Hammamieh, Rasha ..................... Disclosed no conflict of interest.

Hammerman, Malin ..................... Disclosed no conflict of interest.

Hammouti, Sabrina ..................... Disclosed no conflict of interest.


Hampp, Emily L ......................... 3A: Stryker.

Hampton, Chadwick .................... Disclosed no conflict of interest.

Hamrick, Mark W ....................... Disclosed no conflict of interest.

Han, Biao .................................. Disclosed no conflict of interest.

Han, Guebum ............................ Disclosed no conflict of interest.

Han, Jeonghun ........................... Disclosed no conflict of interest.

Han, Li-Hsin ............................. Disclosed no conflict of interest.

Han, Lin .................................. Disclosed no conflict of interest.

Han, Woojin M .......................... Disclosed no conflict of interest.

Hanada, Masuo .......................... Disclosed no conflict of interest.

Hanada, Shuji ........................... Disclosed no conflict of interest.

Hanamatsu, Hisatoshi .................. Disclosed no conflict of interest.

Hanawa, HIROKI ......................... Disclosed no conflict of interest.

Handerhan, Brian ....................... Disclosed no conflict of interest.

Haneda, Masahiko ...................... Disclosed no conflict of interest.

Hankenson, Kurt ....................... Disclosed no conflict of interest.
Hankins, Margaret .................... Disclosed no conflict of interest.
Hankins, Margaret L .................. Disclosed no conflict of interest.
Hanna, Philip ........................ Disclosed no conflict of interest.
Hanna, Rewais ......................... Disclosed no conflict of interest.
Hanne, Nicholas J ........................ Disclosed no conflict of interest.
Hannink, Gerjon ........................ Disclosed no conflict of interest.
Hannouche, Didier ...................... Disclosed no conflict of interest.
Hansen, Benjamin ........................ Disclosed no conflict of interest.
Hansen, Danielle R ........................ Disclosed no conflict of interest.
Hansen, Logan .......................... Disclosed no conflict of interest.
Hansen, Matthew L ..................... 3B: Exactech, Inc.
Hanson, Chad .......................... Disclosed no conflict of interest.
Hao, Tianqing .......................... Disclosed no conflict of interest.
Haqqi, Tariq M ........................... Disclosed no conflict of interest.
Hara, Hitomi ............................ Disclosed no conflict of interest.
Hara, Hotomi ............................ Disclosed no conflict of interest.
Hara, Natsuki ............................ Disclosed no conflict of interest.
Hara, Yusuke ............................ Disclosed no conflict of interest.
Harada, Yoshifumi ........................ Disclosed no conflict of interest.
Harada, Yusuke .......................... Disclosed no conflict of interest.
Harasymowicz, Natalia .......................... Disclosed no conflict of interest.
Harato, Kengo .......................... Disclosed no conflict of interest.
Harbaugh, Kimberly ...................... Disclosed no conflict of interest.
Hardaker, Cath ......................... 3A: Depuy Synthes.
Hargens, Alan .......................... Disclosed no conflict of interest.
Hargreaves, Brian ...................... 5: GE Healthcare.
Hari, Pawan ............................ Disclosed no conflict of interest.
harigane, kengo ......................... Disclosed no conflict of interest.
Hariharan, Kharthik ....................... Disclosed no conflict of interest.
Harkess, James ........................ Disclosed no conflict of interest.
Harm, Krystle .......................... Disclosed no conflict of interest.
Harner, Christopher ..................... 8: AJSM, JISAKOS; 9: Musculoskeletal Transplant Foundation.
Harner, Christopher D .................. Disclosed no conflict of interest.
Haro, Hirotaka .......................... Disclosed no conflict of interest.
Harper, Katharine D .................... Disclosed no conflict of interest.
Harper, Lindsey ....................... Disclosed no conflict of interest.


Harris, Charles ......................... Disclosed no conflict of interest.

Harris, Charles ......................... Disclosed no conflict of interest.


Harris, Michael D ........................ Disclosed no conflict of interest.

Harris, Michelle Y ...................... Disclosed no conflict of interest.

Harris, Nicole .......................... Disclosed no conflict of interest.

Harris, Rodney .......................... 3A: Samumed, LLC; 4: Samumed, LLC.

Harrison, Rob ........................... 3A: Arthrex.

Harrison, Zoe ............................ Disclosed no conflict of interest.

Harrod, Jordan .......................... Disclosed no conflict of interest.

Hart, David ............................... Disclosed no conflict of interest.

Hart, David A ............................. Disclosed no conflict of interest.

Hart, Jesse ............................... Disclosed no conflict of interest.


Hartman, Robert ......................... Disclosed no conflict of interest.

Hartner, Samantha ...................... Disclosed no conflict of interest.

Hartner, Samantha E .................... Disclosed no conflict of interest.

Haruto, James A .......................... 3B: DePuy Synthes; 4: Orthoxel DAC; 5: Orthoxel DAC, DePuy Synthes; 6: Orthoxel DAC.

Haruno, Lee S ........................... Disclosed no conflict of interest.

Harvestine, Jenna ...................... Disclosed no conflict of interest.

Harvey, Ed ............................... Disclosed no conflict of interest.

Hasan, Raquib ........................... Disclosed no conflict of interest.

Hasegawa, Kazuhiro ..................... Disclosed no conflict of interest.

Hasegawa, Masahiro ..................... Disclosed no conflict of interest.

Hasegawa, Tomoka ...................... 5: Daiichi Sankyo Co., Ltd.
Hasei, Joe.......................... Disclosed no conflict of interest.
Hashimoto, Akira .................... Disclosed no conflict of interest.
Hashimoto, Junichi .................... Disclosed no conflict of interest.
Hashimoto, Kunihiro .................... Disclosed no conflict of interest.
Hashimoto, Shingo ..................... Disclosed no conflict of interest.
Hashimoto, Shogo ...................... Disclosed no conflict of interest.
Hashimoto, Yoshichika ................. Disclosed no conflict of interest.
Hashimoto, Yusuake ................. Disclosed no conflict of interest.
Hassan, Ahmed ....................... Disclosed no conflict of interest.
Hassan, Chaudhry R .................. Disclosed no conflict of interest.
Hassan, Chaudhry R .................. Disclosed no conflict of interest.
Hassanzadeh, Hamid .................. Disclosed no conflict of interest.
Hast, Michael ......................... Disclosed no conflict of interest.
Hast, Michael W ..................... 5: DePuy Synthes, Integra, Zimmer Biomet.
Hast, Michael W ..................... 5: DePuy Synthes, Integra, Zimmer Biomet.
Hasty, Karen A ....................... Disclosed no conflict of interest.
Hata, Junichi ......................... Disclosed no conflict of interest.
Hatanaka, Hiroyuki ................... Disclosed no conflict of interest.
Hatsell, Sarah J ..................... 3A: Regeneron Pharmaceuticals; 4: Regeneron Pharmaceuticals.
Hatta, Taku ......................... Disclosed no conflict of interest.
Haudenschild, Anne ............... Disclosed no conflict of interest.
Haudenschild, Dominik R ........... 4: Tesio Pharmaceuticals Inc; 8: Journal of Orthopaedic Research, and Cartilage.
Haugen, Håvard Jostein ........... Disclosed no conflict of interest.
Hausman, Michael R ............... Disclosed no conflict of interest.
Havey, Robert ....................... Disclosed no conflict of interest.
Hawley, Gregory D .................. Disclosed no conflict of interest.
Hayakawa, Kentaro .................. Disclosed no conflict of interest.
Hayashi, Daichi ....................... Disclosed no conflict of interest.
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Hayashi, Takuo ...................... Disclosed no conflict of interest.
Hayashi, Yukinori ................... Disclosed no conflict of interest.
Hayashida, Kenta Disclosed no conflict of interest.
Hayashida, Mitsumasa Disclosed no conflict of interest.
Haydel, Adam Disclosed no conflict of interest.
Hays, Claire Disclosed no conflict of interest.
Hays, Madeline Disclosed no conflict of interest.
Hazbun, Larry Disclosed no conflict of interest.
Hazlwood, David Disclosed no conflict of interest.
He, Chao Disclosed no conflict of interest.
He, Jade Disclosed no conflict of interest.
He, Shulin 3A: Stryker Orthopaedics.
He, Tengfei Disclosed no conflict of interest.
Head, Shelby E Disclosed no conflict of interest.
Hecht, Andrew C 1: Zimmer Spine; 3B: Zimmer, Medtronic.
Heckelman, Lauren N Disclosed no conflict of interest.
Hedt, Corbin Disclosed no conflict of interest.
Heenan, G. Matthew Disclosed no conflict of interest.
Heffernan, Michael Disclosed no conflict of interest.
Heftner, Glenn Disclosed no conflict of interest.
Heftner, Glenn D Disclosed no conflict of interest.
Heggeness, Michael H 1: Relievant Medsystems.
Heilmann, Adam Disclosed no conflict of interest.
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Heise, Griffin Disclosed no conflict of interest.
Heise, Griffin M Disclosed no conflict of interest.
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Heldreth, Mark 3A: DePuy Synthes Joint Reconstruction; 4: DePuy Synthes Joint Reconstruction.
Heldreth, Mark A 3A: Johnson & Johnson; 4: Johnson & Johnson.
Heliotis, Manolis Disclosed no conflict of interest.
Heller, Matthew S Disclosed no conflict of interest.
Hematti, Peiman Disclosed no conflict of interest.
Hemmati, David Disclosed no conflict of interest.
Hemmerling, Kimberly Disclosed no conflict of interest.
Henak, Corinne Disclosed no conflict of interest.
Henak, Corinne R. ...................... Disclosed no conflict of interest.
Hendershot, Brad ...................... Disclosed no conflict of interest.
Henderson, Christopher ...................... Disclosed no conflict of interest.
Henderson, Shasta ...................... Disclosed no conflict of interest.
Hendrickson, Nathan ...................... Disclosed no conflict of interest.
Henkelman, Erik S ...................... Disclosed no conflict of interest.
Henn, R. Frank ...................... 5: Research support from Arthrex.
Hennessy, David ...................... Disclosed no conflict of interest.
Hennessy, Susan ...................... Disclosed no conflict of interest.
Henning, Elizabeth ...................... Disclosed no conflict of interest.
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Henninger, Heath B ...................... Disclosed no conflict of interest.
Henrie, Marshall K ...................... Disclosed no conflict of interest.
Henry, Abigail L ...................... Disclosed no conflict of interest.
Henson, Frances ...................... Disclosed no conflict of interest.
Heo, Su-Jin ...................... Disclosed no conflict of interest.
Hepinstall, Matthew ...................... 2: Stryker; 3B: Corin U.S.A, KCI, Stryker; 5: Stryker; 9: AAOS.
Hepinstall, Matthew ...................... 3B: Corin U.S.A, KCI, Stryker; 9: AAOS.
Herbert, De’Broski R ...................... Disclosed no conflict of interest.
Herfarth, Jonas ...................... Disclosed no conflict of interest.
Herman, Daniel C ...................... Disclosed no conflict of interest.
Herman, François ...................... 3A: Materialise NV.
Hermann, Rebecca ...................... Disclosed no conflict of interest.
Hernandez, Christopher J ...................... Disclosed no conflict of interest.
Hernandez, Christopher J ...................... Disclosed no conflict of interest.
Hernandez, Paula A ...................... Disclosed no conflict of interest.
Herndon, Carl L ...................... Disclosed no conflict of interest.
Herrera, Lizeth ...................... 3A: Stryker; 4: Stryker.
Herrera, Morgan ...................... Disclosed no conflict of interest.
Hersh, Beverly ...................... Disclosed no conflict of interest.
Hertzog, Laure ...................... 3A: Bone Therapeutics.
Hettinghouse, Aubryanna ...................... Disclosed no conflict of interest.
Hetz, Michael ...................... Disclosed no conflict of interest.
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<td>Ho, Charles P</td>
<td>3B: Smith &amp; Nephew; 5: affiliated with the Steadman Philippon Research Institute which is a 501(c)(3) non-profit institution supported financially by private donations and corporate support from Smith &amp; Nephew Endoscopy, Ar.</td>
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Hoppensteadt, Debra .......................... Disclosed no conflict of interest.
Horaguchi, Takashi .............................. Disclosed no conflict of interest.
Horan, Daniel J .................................. Disclosed no conflict of interest.
Horenstein, Rachel E .......................... Disclosed no conflict of interest.
Hori, Kelly R ....................................... Disclosed no conflict of interest.
Hori, Kellyn ........................................ Disclosed no conflict of interest.
Horie, Masafumi .................................. Disclosed no conflict of interest.
Hori, Motoyuki .................................... Disclosed no conflict of interest.
Horii, Kiyotaka .................................... Disclosed no conflict of interest.
Horst, Patrick ..................................... Disclosed no conflict of interest.
Horstemeyer, Leah K ........................... Disclosed no conflict of interest.
Horton, Jason A ................................. Disclosed no conflict of interest.
Horton, William A ............................... Disclosed no conflict of interest.
Hoshino, Hironobu ............................... Disclosed no conflict of interest.
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Hoshino, Yuichi .................................. Disclosed no conflict of interest.
Hoshino, Yuuichi .................................. Disclosed no conflict of interest.
Hoskins, Tyler ..................................... Disclosed no conflict of interest.
Hosokawa, Yoshiaki .............................. Disclosed no conflict of interest.
Hossain, Belayat .................................. Disclosed no conflict of interest.
Hossain, M. Jayed ............................... Disclosed no conflict of interest.
Hou, Juliet .......................................... Disclosed no conflict of interest.
Houston, Tyler .................................... Disclosed no conflict of interest.
Houtman, Evelyn ................................. Disclosed no conflict of interest.
Hovius, Steven .................................... Disclosed no conflict of interest.
Howe, Danielle .................................... Disclosed no conflict of interest.
Howe, Kathryn .................................... Disclosed no conflict of interest.
Howell, Kalebb ................................. Disclosed no conflict of interest.
Howell, Kristen ................................... Disclosed no conflict of interest.
Howie, Colin ...................................... Disclosed no conflict of interest.
Hoxha, Kevt'her Disclosed no conflict of interest.
Hoy, Robert C. Disclosed no conflict of interest.
Hoyland, Judith Disclosed no conflict of interest.
Hoyt, Aaron K Disclosed no conflict of interest.
Hrusecka, Renate Disclosed no conflict of interest.
Hsia, Allison W Disclosed no conflict of interest.
Hsia, Allison W. Disclosed no conflict of interest.
Hsieh, Yueh-Ying Disclosed no conflict of interest.
Hsing, Thomas Disclosed no conflict of interest.
Hsiue, Peter Disclosed no conflict of interest.
Hsu, Chia-Hao Disclosed no conflict of interest.
Hsu, Christine Disclosed no conflict of interest.
Hsu, Erin L 1: Stryker; 2: AONA; 3B: Stryker, Bacterin, Graftys, Globus, AONA, SI Bone, Relievant, Ceramtec, Medtronic Sofamor Danek, Bioventus, LifeNet, RTI; 5: Medtronic.
Hsu, Hu-Ping Disclosed no conflict of interest.
Hsu, Kai-Lan Disclosed no conflict of interest.
Hsu, Yi-Hsiang Disclosed no conflict of interest.
Hu, Diane Disclosed no conflict of interest.
Hu, Dorothy Disclosed no conflict of interest.
Hu, Guoli Disclosed no conflict of interest.
Hu, Hai Disclosed no conflict of interest.
Hu, Jessica Disclosed no conflict of interest.
Hu, Jianzhong Disclosed no conflict of interest.
Hu, Liangjun Disclosed no conflict of interest.
Hu, Nan Disclosed no conflict of interest.
Hu, Pei Disclosed no conflict of interest.
Hu, Yizhong Disclosed no conflict of interest.
Hu, Yizhong Jenny Disclosed no conflict of interest.
Huang, Alice Disclosed no conflict of interest.
Huang, Alice H Disclosed no conflict of interest.
Huang, C.-Y. Charles Disclosed no conflict of interest.
Huang, Cheng-Liang. Disclosed no conflict of interest.
Huang, Chun-Yuh. Disclosed no conflict of interest.
Huang, Henry. Disclosed no conflict of interest.
Huang, Hsuan-Ti. Disclosed no conflict of interest.
Huang, Jenny. Disclosed no conflict of interest.
Huang, Jhihong. Disclosed no conflict of interest.
Huang, Jhih-Fong. Disclosed no conflict of interest.
Huang, Jiahui. Disclosed no conflict of interest.
Huang, Kevin. Disclosed no conflict of interest.
Huang, Lily. Disclosed no conflict of interest. 3A: Regeneron Pharmaceuticals; 4: Regeneron Pharmaceuticals.
Huang, Muyin. Disclosed no conflict of interest.
Huang, Philip. Disclosed no conflict of interest.
Huang, Rong. Disclosed no conflict of interest.
Huang, Rong S. Disclosed no conflict of interest.
Huang, Runjie. Disclosed no conflict of interest.
Huang, Tony. Disclosed no conflict of interest.
Huang, Tony Chieh-Ting. Disclosed no conflict of interest.
Huang, Wenhan. Disclosed no conflict of interest.
Huang, Yaoyi. Disclosed no conflict of interest.
Huang, Yu-Min. Disclosed no conflict of interest.
Huang, Yuzhao. Disclosed no conflict of interest.
Huang, Zhiyu. Disclosed no conflict of interest.
Huard, Charles A. Disclosed no conflict of interest.
Huard, Johnny. 9: Serve on ORS. 1: Cook Myosite Inc.; 9: Program Chairman of the Orthopaedic Research Society.
Huber-Lang, Markus. Disclosed no conflict of interest.
Hubmacher, Dirk. Disclosed no conflict of interest.
Huddleston III, James I. Disclosed no conflict of interest.
Huddleston, James. 3B: Exactech Inc.
Hudson, David. Disclosed no conflict of interest.
Hudson, David M. Disclosed no conflict of interest.
Huebner, Janet L. Disclosed no conflict of interest.
Huegel, Julianne. Disclosed no conflict of interest.
Huff, Dan. 3A: DePuy Synthes.
Huffman, Derek. Disclosed no conflict of interest.
Hugar, Sarah  
**Disclosed no conflict of interest.**

Hughes, Alexander P  
**Disclosed no conflict of interest.**

Hughes, Julie M  
**Disclosed no conflict of interest.**

Hughes, Velocity  
**Disclosed no conflict of interest.**

Hull, Maury L  
6: ZimmerBiomet; 8: Journal of Biomechanics.

Hullfish, Todd J  
**Disclosed no conflict of interest.**

Hulstyn, Michael  
7A: Dr. Hulstyn has received hospitality payment from Arthrex.

Hulstyn, Michael J  
**Disclosed no conflict of interest.**

Hum, Julia  
**Disclosed no conflict of interest.**

Humphries, Kenneth M  
**Disclosed no conflict of interest.**

Hung, Clark T  
8: Journal of Orthopaedic Research; Orthopaedic Research & Reviews.

Hung, Clark T  
1: Allosource.

Hung, Han-Hwa  
5: Flexion Grant to MIT.

Hung, Li Wei  
**Disclosed no conflict of interest.**

Hung, Li-wei  
**Disclosed no conflict of interest.**

Hunt, Emily R  
**Disclosed no conflict of interest.**

Huq, Sumon S  
**Disclosed no conflict of interest.**

Huq, Sumon Salman  
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Hurley, Mike F  
**Disclosed no conflict of interest.**

Hurley, Richard  
3C: Zimmer Biomet.

Hurst, Lawrence C  
3B: Endo Pharmaceuticals Inc.; 7A: Biospecifics Technologies Corp.

Hurtig, Mark  
**Disclosed no conflict of interest.**

Hurtig, Mark B  
4: Ortho Regenerative Technologies Inc.

Husman, Regina  
**Disclosed no conflict of interest.**

Hussain, Awais  
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Iacampo, Sandra
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Iannarone, Victoria
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Iannucci, Leanne
Disclosed no conflict of interest.

Iannucci, Leanne E
Disclosed no conflict of interest.

Iatridis, James C
8: JOR and JOR Spine Publication Advisory Board; 9: ORS, ORS/PSRS Organizing Committee, ISSLS Scientific Representative.

Ibanez, Maureen
3A: Samumed, LLC; 4: Samumed, LLC.

Ibaraki, Kazuyuki
Disclosed no conflict of interest.

Ibe, Izuchukwu
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Ibrahim, Alwathiqbellah
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Ibrahim, Muhammad
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Ichikawa, Jiro
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Ide, Manabu
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Ideo, Katsumasa
Disclosed no conflict of interest.

Idkaidek, Ashraf
Disclosed no conflict of interest.

Idone, Vincent
3A: Regeneron Pharmaceuticals; 4: Regeneron Pharmaceuticals.

Iellimo, Michelangelo
Disclosed no conflict of interest.

Igarashi, Yoichi
Disclosed no conflict of interest.

Iglinski-Benjamin, Kag C
Disclosed no conflict of interest.

Ignasiak, Dominika
3A: Employee of NuVasive Inc.

Ignatius, Anita
Disclosed no conflict of interest.

Iguchi, Hirotaka
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Iiyama, Toshinari .......................... Disclosed no conflict of interest.
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Ilagan, Francisco ........................... Disclosed no conflict of interest.
Ilinski, Adrian ............................. Disclosed no conflict of interest.
Illgen, Richard.............................. 1: Stryker and Orthosensor; 3B: Stryker; 7A: Stryker and Orthosensor; 9: American Joint Replacement Registry Research Committee.
Illien-Junger, Svenja ..................... 9: ORS/PSRS Organizing Committee.
Illien-Jünger, Svenja ..................... Disclosed no conflict of interest.
Im, Gun-II ................................ Disclosed no conflict of interest.
Imagama, Shiro ............................. Disclosed no conflict of interest.
Imai, Satoshi ............................... Disclosed no conflict of interest.
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Inacio, Jordan V ........................... Disclosed no conflict of interest.
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Inoue, Nozomu .................................. 5: NIH NCCIH.
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Iozzo, Renato .................................. Disclosed no conflict of interest.
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Irie, Tohru ..................................... 5: DePuy Synthes.
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Irwin, Mavis .................................. Disclosed no conflict of interest.
Irwin, Rebecca M ............................. Disclosed no conflict of interest.
Isaac, Graham .................................. Disclosed no conflict of interest.
Isaacson, Brad M ............................. Disclosed no conflict of interest.
Isaksson, Hanna ............................... Disclosed no conflict of interest.
Isales, Carlos .................................. Disclosed no conflict of interest.
Iseki, Tomoya .................................. Disclosed no conflict of interest.
Iseberg, Jeffery S .............................. Disclosed no conflict of interest.
Ishibashi, Hidenobu ......................... Disclosed no conflict of interest.
Ishibashi, Teruya ....................... Disclosed no conflict of interest.
Ishibashi, Yasuyuki ....................... Disclosed no conflict of interest.
Ishibashi, Yoichi ....................... Disclosed no conflict of interest.
Ishida, Masashi ....................... Disclosed no conflict of interest.
Ishida, Tomoya ....................... Disclosed no conflict of interest.
Ishiduka, Shinya ....................... Disclosed no conflict of interest.
Ishiguro, Hiroyuki ....................... Disclosed no conflict of interest.
Ishiguro, Naoki ....................... Disclosed no conflict of interest.
Ishihama, Yoshihiro ....................... Disclosed no conflict of interest.
Ishihara, Kazuaki ....................... Disclosed no conflict of interest.
Ishii, Hideaki ....................... Disclosed no conflict of interest.
Ishikawa, Masahiro Ishikawa ........ Disclosed no conflict of interest.
Ishikawa, Masakazu ....................... 6: Lintec of America, INC., Richardson.
Ishikawa, Masakazu ....................... 6: Sanyo-chemical.
Ishikawa, Masahiro ....................... Disclosed no conflict of interest.
Ishiwata, Sho ....................... Disclosed no conflict of interest.
Ishizuka, Naoko ....................... Disclosed no conflict of interest.
Ishizuka, Shinya ....................... Disclosed no conflict of interest.
Ishmael, Chad ....................... Disclosed no conflict of interest.
Ismaily, Sabir ....................... Disclosed no conflict of interest.
Issac, Aaron G ....................... Disclosed no conflict of interest.
Itai, Yoshinori ....................... Disclosed no conflict of interest.
Itaya, Nobuyuki ....................... Disclosed no conflict of interest.
Ito, Akira ....................... Disclosed no conflict of interest.
Ito, Hiromu ....................... Disclosed no conflict of interest.
Ito, Hiroshi ....................... Disclosed no conflict of interest.
Ito, Juji ....................... Disclosed no conflict of interest.
Ito, Kazuya ....................... Disclosed no conflict of interest.
Ito, Keita ....................... Disclosed no conflict of interest.
Ito, Masaaki ....................... Disclosed no conflict of interest.
Ito, Naoya ....................... Disclosed no conflict of interest.
Ito, Ryosuke ....................... Disclosed no conflict of interest.
Ito, Takashi ....................... Disclosed no conflict of interest.
Itoh, Kyoko ....................... Disclosed no conflict of interest.
Itoi, Eiji ....................... Disclosed no conflict of interest.
Itsuji, Tomonori .................................. Disclosed no conflict of interest.
Itzhak, Nissim .................................. Disclosed no conflict of interest.
Ivashkiv, Lionel .................................. Disclosed no conflict of interest.
Ivashkiv, Lionel B .................................. Disclosed no conflict of interest.
Ivashkiv, Lionel B .................................. Disclosed no conflict of interest.
Ivkovic, Alan .................................. Disclosed no conflict of interest.
Iwaguro, Hideki .................................. Disclosed no conflict of interest.
Iwama, Genki .................................. Disclosed no conflict of interest.
Iwama, Yu .................................. Disclosed no conflict of interest.
Iwamoto, Masahiro .................................. Disclosed no conflict of interest.
Iwamoto, Wataru .................................. Disclosed no conflict of interest.
Iwasaki, Hiroki .................................. Disclosed no conflict of interest.
Iwasaki, Hiroshi .................................. Disclosed no conflict of interest.
Iwasaki, Koji .................................. Disclosed no conflict of interest.
Iwasaki, Norimasa .................................. Disclosed no conflict of interest.
Iwasaki, Tatsuya .................................. Disclosed no conflict of interest.
Iwasawa, Mitsuyasu .................................. Disclosed no conflict of interest.
Iwase, Dai .................................. Disclosed no conflict of interest.
Izaki, Teruaki .................................. Disclosed no conflict of interest.
Izumi, Masashi .................................. Disclosed no conflict of interest.
Izumi, Soutarou .................................. Disclosed no conflict of interest.
Jack, Robert A .................................. Disclosed no conflict of interest.
Jackson, Eric .................................. Disclosed no conflict of interest.
Jacob, Megan E .................................. 5: Zoetis, Ark Animal Health.
Jacob, Samson .................................. Disclosed no conflict of interest.
Jacobs, Brittany .................................. Disclosed no conflict of interest.
Jacobsen, Hayley .................................. Disclosed no conflict of interest.
Jacobsen, Timothy .................................. Disclosed no conflict of interest.
Jacobsen, Timothy D .................................. Disclosed no conflict of interest.
Jacofsky, M.D., David J .................................. 1: Stryker, Smith-Nephew; 3B: Paid Stryker consultant; 5: Stryker, Depuy, Smith-Nephew, Zimmer-Biomet; 6: •Board Member: Plasmology4, Healthcare Outcomes Performance Company; 8: Journal of Arthroplasty, Orthopedics, Jou
Jacquet, Christophe .................................. Disclosed no conflict of interest.
Jaeger, Patrick .................................. Disclosed no conflict of interest.
Jagga, Supriya ..................... Disclosed no conflict of interest.
Jaggard, Matthew .................. Disclosed no conflict of interest.
Jahandar, Amirhossein ............. Disclosed no conflict of interest.
Jahandar, Hamidreza ................ Disclosed no conflict of interest.
Jähn, Katharina ..................... Disclosed no conflict of interest.
Jahr, Holger ......................... Disclosed no conflict of interest.
Jain, Era ............................. Disclosed no conflict of interest.
Jain, Viral V ......................... 3C: SpineForm.
Jakubowitz, Eike ..................... Disclosed no conflict of interest.
Jakus, Adam .......................... Disclosed no conflict of interest.
Jalal, Murtadhah M. K .............. Disclosed no conflict of interest.
Jalali, Omid .......................... Disclosed no conflict of interest.
James, Aaron W ...................... 8: Editorial Board, Bone Research.
James, Karl M ........................ Disclosed no conflict of interest.
James, Susan P ....................... Disclosed no conflict of interest.
James, Victoria ...................... Disclosed no conflict of interest.
Jämsä, Timo .......................... Disclosed no conflict of interest.
Jamsen, Eemeli ...................... Disclosed no conflict of interest.
Jämsen, Eemeli ..................... Disclosed no conflict of interest.
Jancuska, Jeffrey M .................. Disclosed no conflict of interest.
Jang, Eugene ....................... Disclosed no conflict of interest.
Jang, Jin Ju ........................... Disclosed no conflict of interest.
Jang, Jinju ............................ Disclosed no conflict of interest.
Jang, Seon Ho ....................... Disclosed no conflict of interest.
Jang, Woo Young ................... Disclosed no conflict of interest.
Jang, Young C ....................... Disclosed no conflict of interest.
Janney, Cory ........................ Disclosed no conflict of interest.
Jansen, Mylène P .................... Disclosed no conflict of interest.
Janssen, Dennis ..................... 5: Aesculap, Depuy, Invibio.
Janssen, Dennis ..................... 5: DePuy Synthes.
Jasiuk, Iwona ....................... Disclosed no conflict of interest.
Jauregui, Emilio .................... Disclosed no conflict of interest.
Jay, Anthony G ..................... Disclosed no conflict of interest.
Jay, Gregory ........................ 1: Lubris, LLC; 3C: Lubris, LLC; 4: Lubris, LLC.
Jay, Gregory D.............................4: Lubris, LLC.
Jay, Jordan H..............................Disclosed no conflict of interest.
Jayabalan, Prakash.......................Disclosed no conflict of interest.
Jayaram, Prathap..........................Disclosed no conflict of interest.
Jayasuriya, Chathuraka T ...............Disclosed no conflict of interest.
Jayasuriya, Chathuraka Teekshana .... Disclosed no conflict of interest.
Jayaswal, Daksh..........................Disclosed no conflict of interest.
Jeffords, Megan E........................3A: NuVasive.
Jenkins, Daniel R..........................Disclosed no conflict of interest.
Jenkins, Lenicia..........................Disclosed no conflict of interest.
Jenkins, Matthew J.......................Disclosed no conflict of interest.
Jenkins, Thomas..........................Disclosed no conflict of interest.
Jennette, Michelle ......................Disclosed no conflict of interest.
Jennings, Emma L........................Disclosed no conflict of interest.
Jennings, Jessica A......................5: Abbott Diagnostics; 6: OsteoRemedies, Bionova Medical; 7B: Elsevier.
Jennings, Louise M.......................5: DePuy Synthes, Invibio.
Jennings, Louise M.......................5: Invibio, DePuy Synthes, Mathys, Biocomposites.
Jennings, Louise M.......................5: Invibio.
Jeong, Soyeon.............................Disclosed no conflict of interest.
Jepsen, Karl...............................Disclosed no conflict of interest.
Jepsen, Karl J.............................Disclosed no conflict of interest.
Jevsevar, Kori C..........................Disclosed no conflict of interest.
Jeyapalina, Sujee .......................Disclosed no conflict of interest.
Jeznovik, Mateja..........................Disclosed no conflict of interest.
Jeovnik, Mateja...........................Disclosed no conflict of interest.
Ji, Gang................................Disclosed no conflict of interest.
Ji, Xiongfa.................................Disclosed no conflict of interest.
Jia, Junjing................................Disclosed no conflict of interest.
Jia, U-Ter Aonda .........................Disclosed no conflict of interest.
Jian, Jinhong .............................Disclosed no conflict of interest.
Jiang, Emily Y............................Disclosed no conflict of interest.
Jiang, Jie................................Disclosed no conflict of interest.
Jiang, Xi. Disclosed no conflict of interest.
Jiang, Zhongliang. Disclosed no conflict of interest.
Jiao, Hongli. Disclosed no conflict of interest.
Jimbo, Shizuo. Disclosed no conflict of interest.
Jimbo, Shunsuke. Disclosed no conflict of interest.
Jin, Li. Disclosed no conflict of interest.
JIN, XIN. Disclosed no conflict of interest.
Jin, Yong Jun. Disclosed no conflict of interest.
Jing, Liufang. Disclosed no conflict of interest.
Jing, Yan. Disclosed no conflict of interest.
Jinno, Tetsuya. Disclosed no conflict of interest.
Jinzaki, Masahiro. Disclosed no conflict of interest.
Johansson, Ulf. Disclosed no conflict of interest.
Johnson, Casey. Disclosed no conflict of interest.
Johnson, Casey P. Disclosed no conflict of interest.
Johnson, David. Disclosed no conflict of interest.
Johnson, Ginger. Disclosed no conflict of interest.
Johnson, Ginger C. Disclosed no conflict of interest.
Johnson, James. Disclosed no conflict of interest.
Johnson, James A. Disclosed no conflict of interest.
Johnson, James A. 8: J Shoulder and Elbow Surg.
Johnson, James W. Disclosed no conflict of interest.
Johnson, Jenny. Disclosed no conflict of interest.
Johnson, Joseph. Disclosed no conflict of interest.
Johnson, Joshua E. Disclosed no conflict of interest.
Johnson, Mark. Disclosed no conflict of interest.
Johnson, Samuel R. Disclosed no conflict of interest.
Johnson, Scott. 3A: Cerapedics.
Johnson, Stephen H. Disclosed no conflict of interest.
Johnson, Valerie. Disclosed no conflict of interest.
Johnston, Caleb A. Disclosed no conflict of interest.
Johnston, Helena. Disclosed no conflict of interest.
Johnston, Jeff ................................ Disclosed no conflict of interest.
Johnston, Jessica M .......................... Disclosed no conflict of interest.
Johnstone, Brian ..................... 5: Shriners hospital for children grant awardee.
Jones, Brandon C ........................... Disclosed no conflict of interest.
Jones, Carly E ................................. Disclosed no conflict of interest.
Jones, Carter R ................................. Disclosed no conflict of interest.
Jones, Cliff ................................. Disclosed no conflict of interest.
Jones, Conor ................................. Disclosed no conflict of interest.
Jones, Hugh .................................. Disclosed no conflict of interest.
Jones, Kerwyn C .............................. Disclosed no conflict of interest.
Jones, Mark ................................. Disclosed no conflict of interest.
Jones, Morgan ............................... Disclosed no conflict of interest.
Jones, Richard ............................... Disclosed no conflict of interest.
Jones, Travis J ............................... Disclosed no conflict of interest.
Jordan, Charles J ........................... 3B: Advanced Orthopaedic Solutions.
Jordan, David B ............................. Disclosed no conflict of interest.
Jordan, Kathryn E ...................... Disclosed no conflict of interest.
Jordan, Kelsey M ............................ Disclosed no conflict of interest.
Jost, Tyler ................................. Disclosed no conflict of interest.
Jotoku, Zenta ............................... Disclosed no conflict of interest.
Joukainen, Antti ............................ Disclosed no conflict of interest.
Joukar, Amin ............................... Disclosed no conflict of interest.
Jotoku, Zenta ............................... Disclosed no conflict of interest.
Jubril, Ayodeji .............................. Disclosed no conflict of interest.
Judge, Andrew ............................... Disclosed no conflict of interest.
Juhdi, Adham Shoaa .................... Disclosed no conflict of interest.
Juhl, Otto John ............................. Disclosed no conflict of interest.
Juliano, Paul ............................... Disclosed no conflict of interest.
Junaid, Sarah ............................... Disclosed no conflict of interest.
June, Ronald .............................. 4: Beartooth Biotech.
Jung, Amaury ............................... 3A: Blue Ortho.
Jung, Sungwook .......................... Disclosed no conflict of interest.
Jung, Taegon ............................... Disclosed no conflict of interest.
Junginger, Lucas .......................... Disclosed no conflict of interest.
Jupiter, Daniel ............................ Disclosed no conflict of interest.
Jutte, Paul........................................ Disclosed no conflict of interest.
Jutte, Paul C.................................. Disclosed no conflict of interest.
Jutten, Elisabeth.............................. 5: Stryker.
Kabst, Christiane.............................. Disclosed no conflict of interest.
Kaczocha, Martin.............................. Disclosed no conflict of interest.
Kadam, Abhijeet.............................. Disclosed no conflict of interest.
Kadhim, Muayad............................... Disclosed no conflict of interest.
Kadirkamanathan, Visakan..................... Disclosed no conflict of interest.
Kadkoy, Yazan.................................. Disclosed no conflict of interest.
Kadoya, Ken................................... Disclosed no conflict of interest.
Kage, Craig C................................. Disclosed no conflict of interest.
Kage, Tomofumi............................... Disclosed no conflict of interest.
Kagotani, Ryohei............................... Disclosed no conflict of interest.
Kahan, David M............................... Disclosed no conflict of interest.
Kahan, Joseph B............................... Disclosed no conflict of interest.
Kahn, David J................................. Disclosed no conflict of interest.
Kaimrajh, David............................... Disclosed no conflict of interest.
Kaiser, Jarred M............................... Disclosed no conflict of interest.
Kaito, Takashi................................. 5: Aimedic MMT.
Kaizawa, Yukitoshi............................ Disclosed no conflict of interest.
Kaji, Deepak.................................. Disclosed no conflict of interest.
Kaji, Deepak A............................... Disclosed no conflict of interest.
Kaji, Yoshio.................................. Disclosed no conflict of interest.
Kajimura, Shingo............................. Disclosed no conflict of interest.
Kajino, Tomomichi........................... Disclosed no conflict of interest.
Kakar, Sanjeev............................... 9: serve on the medical advisory board for Sonex.
Kakiuchi, Yuji................................. Disclosed no conflict of interest.
Kakitani, Kenichiro........................... Disclosed no conflict of interest.
Kalagara, Saisanjana.......................... Disclosed no conflict of interest.
Kalajzic, Ivo................................. 6: aNRR1 antibody was provided by Genentech, Inc.
Kalathil, Aravind............................. Disclosed no conflict of interest.
Kalbitz, Miriam......................... Disclosed no conflict of interest.
Kallool, Zaman............................... Disclosed no conflict of interest.
Kamal, Fadia................................. Disclosed no conflict of interest.
Kamal, Robin N.......................... 3B: Acumed.
Kamal, Zeinab.......................... Disclosed no conflict of interest.
Kamalakar, Archana.................... Disclosed no conflict of interest.
Kamalapathy, Pramod.................... Disclosed no conflict of interest.
Kamatani, Takashi........................ Disclosed no conflict of interest.
Kamatsuki, Yusuke....................... Disclosed no conflict of interest.
Kambara, Shunsuke..................... 6: Sumitomo Dainippon Pharma Co, Japan.
Kambhampati, Siva........................ Disclosed no conflict of interest.
Kameda, Toshiaki........................ Disclosed no conflict of interest.
Kameda, Yusuke.......................... Disclosed no conflict of interest.
Kamei, Katsuhiko........................ Disclosed no conflict of interest.
Kamei, Naosuke.......................... 6: Sanyo-chemical.
Kamenaga, Tomoyuki.................... Disclosed no conflict of interest.
Kamiishi, Takayuki..................... Disclosed no conflict of interest.
Kamijo, Satoshi.......................... Disclosed no conflict of interest.
Kamimura, Daisuke..................... Disclosed no conflict of interest.
Kamiya, Tomoaki........................ Disclosed no conflict of interest.
Kammer, MaryRose..................... 3A: Organogenesis, Inc.
Kanai, Satoshi.......................... Disclosed no conflict of interest.
Kanai, Tomotake........................ Disclosed no conflict of interest.
Kanaya, Fuminori........................ Disclosed no conflict of interest.
Kanayama, Sadaaki..................... Disclosed no conflict of interest.
Kanda, Yutaro.......................... Disclosed no conflict of interest.
Kandel, Rita............................. Disclosed no conflict of interest.
Kandel, Shital.......................... Disclosed no conflict of interest.
Kaneda, Kazuya.......................... Disclosed no conflict of interest.
Kaneko, Haruka.......................... Disclosed no conflict of interest.
Kaneko, Kazuo.......................... Disclosed no conflict of interest.
Kaneko, Sho............................. Disclosed no conflict of interest.
Kaneko, Stacy C........................ Disclosed no conflict of interest.
Kaneko, Takao.......................... Disclosed no conflict of interest.
Kanemitsu, Munekazu................... Disclosed no conflict of interest.
Kanemura, Naohiko..................... Disclosed no conflict of interest.
Kaneoka, Koji.......................... Disclosed no conflict of interest.
Kaneuji, Ayumi .......................... 3B: Zimmer Biomet and Depuy Synthes.
Kaneyama, Ryutaku ...................... Disclosed no conflict of interest.
Kang, Hao................................ Disclosed no conflict of interest.
Kang, James ............................ Disclosed no conflict of interest.
Kang, Jason .............................. Disclosed no conflict of interest.
Kang, Jean ............................... Disclosed no conflict of interest.
Kang, Kwansu ............................ Disclosed no conflict of interest.
Kang, Kyoung-Tak ....................... Disclosed no conflict of interest.
Kang, Sang Hoon ......................... Disclosed no conflict of interest.
Kang, Yan ................................ Disclosed no conflict of interest.
Kanichiro, Wada ......................... Disclosed no conflict of interest.
Kanim, Linda ............................. Disclosed no conflict of interest.
Kanim, Linda EA ......................... Disclosed no conflict of interest.
Kanjilal, Deboleena ...................... Disclosed no conflict of interest.
Kannan, Rangaramanujam ............... Disclosed no conflict of interest.
Kano, Takuma ............................ Disclosed no conflict of interest.
Kano, Toshiya ............................ 6: Sanyo-chemical.
Kanoshima, Yuko ......................... Disclosed no conflict of interest.
Kanzaki, Noriyuki ......................... Disclosed no conflict of interest.
Kaplan, Lee .............................. Disclosed no conflict of interest.
Kaplan, Lee D ............................ Disclosed no conflict of interest.
Kaplan, Lige .............................. 3B: Stryker; 5: Stryker.
Kaptein, Bart ............................ Disclosed no conflict of interest.
Kapyla, Elli .............................. 3A: Aspect Biosystems.
Kar, Niladri S ............................ 6: Orthofix.
Karam, Matthew ......................... 4: Iowa Simulation Solutions, LLC.
Karamchedu, Naga Padmini .......... Disclosed no conflict of interest.
Karas, Chris .............................. 3B: Medtronic, Seaside, Intelligro, Spinal Balance and Camber.
Karasugi, Tatsuki ....................... Disclosed no conflict of interest.
Karipott, Salil Sidharthan ............. Disclosed no conflict of interest.
Karita, Yukiko ........................... Disclosed no conflict of interest.
Karlin, Elan ............................. Disclosed no conflict of interest.
Karner, Courtney M ...................... Disclosed no conflict of interest.
Karoulias, Stylianos Z ................ Disclosed no conflict of interest.
Karriem, Lynn .......................... Disclosed no conflict of interest.
Karuppa Gounder, Vengadeshprabhu  Disclosed no conflict of interest.
Kasai, Yusuke  Disclosed no conflict of interest.
Kaseta, Timothy  Disclosed no conflict of interest.
Kasinath, Rajendra  Disclosed no conflict of interest.
Kasinath, Rajendra  Disclosed no conflict of interest.
Kassam, Hafiz F  Disclosed no conflict of interest.
Kassam, Hafiz F  Disclosed no conflict of interest.
Kassey, Victor B  Disclosed no conflict of interest.
Kassner, Nicole  3A: Johnson & Johnson.
Katagiri, Hiroki  Disclosed no conflict of interest.
Katakura, Mai  Disclosed no conflict of interest.
Katano, Hisako  Disclosed no conflict of interest.
Kataoka, Takeshi  Disclosed no conflict of interest.
Kataoka, Yoshiaki  Disclosed no conflict of interest.
Katayose, Masaki  Disclosed no conflict of interest.
Kates, Stephen L  Disclosed no conflict of interest.
Kates, Stephen L  5: Telephus Co. Ltd.
Kato, Ikuma  Disclosed no conflict of interest.
Kato, Ko  Disclosed no conflict of interest.
Katoh, Hiroyuki  Disclosed no conflict of interest.
Katoh, Shinsuke  Disclosed no conflict of interest.
Katyal, Priya  Disclosed no conflict of interest.
Katz, Dakota B  Disclosed no conflict of interest.
Kaufman, Kenton  8: Gait and Posture, Prosthetics and Orthotics International.
Kaverina, Tatyana  3A: stryker; 4: stryker.
Kawabata, Shingo  3A: Sanyo Chemical Industries Ltd.
Kawabata, Shingo  3A: Sanyo-chemical.
Kawabata, Yusuke  Disclosed no conflict of interest.
Kawaguchi, Brooke  Disclosed no conflict of interest.
Kawaguchi, Kohei  Disclosed no conflict of interest.
Kawaguchi, Yoshiharu  Disclosed no conflict of interest.
Kawahara, Norio  Disclosed no conflict of interest.
Kawai, Akira  Disclosed no conflict of interest.
Kawai, Toshiyuki  Disclosed no conflict of interest.
Kawakami, Jun  Disclosed no conflict of interest.
Kawakami, Kensaku .................. Disclosed no conflict of interest.
Kawakami, Mamoru .................. Disclosed no conflict of interest.
Kawakami, Yohei .................... Disclosed no conflict of interest.
Kawakubo, Ayumu .................. Disclosed no conflict of interest.
Kawamoto, Teruya ................... Disclosed no conflict of interest.
Kawamura, Daisuke .................. Disclosed no conflict of interest.
Kawamura, Yoshi .................... Disclosed no conflict of interest.
Kawamura, Youshi ................... Disclosed no conflict of interest.
KAWAMURA, YUSUKE ................ Disclosed no conflict of interest.
Kawanishi, Yusuke .................. Disclosed no conflict of interest.
Kawano, Koichiro ................... Disclosed no conflict of interest.
Kawano, Shunsuke ................... Disclosed no conflict of interest.
Kawanshi, Yusuke ................... Disclosed no conflict of interest.
Kawasaki, Makoto ................... Disclosed no conflict of interest.
Kawasaki, Sachiko .................. Disclosed no conflict of interest.
Kawata, Kazumasa ................... Disclosed no conflict of interest.
Kawata, Manabu ..................... Disclosed no conflict of interest.
Kayani, Babar ....................... Disclosed no conflict of interest.
KC, Sunil ........................... 3A: Samumed, LLC; 4: Samumed, LLC.
Kean, Thomas J ..................... 9: ORS Ambassador.
Kearns, Sean M ..................... Disclosed no conflict of interest.
Keate, Rebecca L ................... Disclosed no conflict of interest.
Keaveny, Tony M .................... Disclosed no conflict of interest.
Keckler, Jesse ...................... Disclosed no conflict of interest.
Kedong, Hou ......................... Disclosed no conflict of interest.
Kedzierska, Anna ................... Disclosed no conflict of interest.
Kee, Clarence ....................... Disclosed no conflict of interest.
Keene, Doug R ...................... Disclosed no conflict of interest.
Keeney, James A .................... 3B: DePuy, A Jonhson and Johnson Company, Flexion Therapeutics; 5: Acelity, ConforMis; 8: J or Hip Surgery, Orthopedics; 9: AAOS, AAHKS, AOA, MAOA, MSOA.
Keever, Abigail L ................... Disclosed no conflict of interest.
Kegelman, Christopher D ........... Disclosed no conflict of interest.
Kehl, Lois ........................... Disclosed no conflict of interest.
Kelkar, Amey .......................... Disclosed no conflict of interest.
Kellam, James .......................... Disclosed no conflict of interest.
Keller, Laura E .......................... Disclosed no conflict of interest.
Kelly, Brandon .......................... Disclosed no conflict of interest.
Kelly, Bryan .......................... 3B: Arthrex, Inc.; 3C: A3 Surgical; 4: A3 Surgical.
Kelly, Daniel .......................... Disclosed no conflict of interest.
Kelly, Daniel J .......................... 6: J&J.
Kelly, Madison .......................... Disclosed no conflict of interest.
Kelly, Michael .......................... Disclosed no conflict of interest.
Kelly, Michael P .......................... Disclosed no conflict of interest.
Kelly, Natalie H .......................... Disclosed no conflict of interest.
Kelly, Ryan .......................... Disclosed no conflict of interest.
Kemeny, Hanna .......................... Disclosed no conflict of interest.
Kemp, Phillip .......................... 3A: Stryker Orthopedics.
Kemper, Ann M .......................... Disclosed no conflict of interest.
Kemper, Nathan .......................... 3A: Embody; 4: Embody.
Kenan, Samuel .......................... Disclosed no conflict of interest.
Kenan, Shachar .......................... Disclosed no conflict of interest.
Kenawy, Hagar M .......................... Disclosed no conflict of interest.
Kennedy, Carol .......................... Disclosed no conflict of interest.
Kennedy, Mitchell I .......................... Disclosed no conflict of interest.
Kennedy, Oran D .......................... Disclosed no conflict of interest.
Kennedy, Patrick .......................... Disclosed no conflict of interest.
Kennedy, Sarah .......................... 3A: Samumed, LLC; 4: Samumed, LLC.
Kenney, Deborah .......................... Disclosed no conflict of interest.
Kenny, Lena .......................... Disclosed no conflict of interest.
Kent, Richard .......................... Disclosed no conflict of interest.
Kent, Richard W .......................... Disclosed no conflict of interest.
Kepler, Christopher K .......................... 1: Inion; 5: Pfizer, Medtronic, RTI; 8: Clinical Spine Surgery.
Kepler, Christopher K .......................... 5: Biomet, Medtronic, Pfizer.
Ker, Dai Fei Elmer .......................... Disclosed no conflict of interest.
Kerckhofs, Greet .......................... Disclosed no conflict of interest.
Kerkhof, Anita .......................... Disclosed no conflict of interest.
Kerl, Cameron G .......................... Disclosed no conflict of interest.
Kernkamp, Willem A .......................... Disclosed no conflict of interest.
Kernkamp, Willem Alexander Disclosed no conflict of interest.
Kerns, James Disclosed no conflict of interest.
Kerr, Taylor Disclosed no conflict of interest.
Kerrigan, Jason 8: Associate Editor, Foot and Ankle Orthopaedics.
Kerrigan, Jason R 8: Associate Editor for Foot and Ankle Orthopaedics (FAO).
Kersh, Mariana Disclosed no conflict of interest.
Keshavarzian, Ali Disclosed no conflict of interest.
Kester, Benjamin S Disclosed no conflict of interest.
Kettenbach, Alina Disclosed no conflict of interest.
Keyak, Joyce H 8: J Biomechanics, Med Eng Phys; 9: ORS Advocacy Committee.
Keys, Brandon A Disclosed no conflict of interest.
Kfuri, Mauricio 8: Journal of Knee Surgery; 9: AOTrauma.
Khairallah, Ramzi J Disclosed no conflict of interest.
Khalid, Waqas Disclosed no conflict of interest.
Khan, Aysha Disclosed no conflict of interest.
Khan, Kamal 3A: Aspect Biosystems.
Khan, Muhammad Moid Khalid Disclosed no conflict of interest.
Khan, Safdar Disclosed no conflict of interest.
Khan, Sobiah Disclosed no conflict of interest.
Khan, Tahir Disclosed no conflict of interest.
Khandaker, Morshed Disclosed no conflict of interest.
Khandha, Ashutosh Disclosed no conflict of interest.
Khanna, Rajan Disclosed no conflict of interest.
Kharlamov, Alexander Disclosed no conflict of interest.
Kharlamov, Alexander A Disclosed no conflict of interest.
Khatib, Nidal Disclosed no conflict of interest.
Khayat, Alana Disclosed no conflict of interest.
Khlopas, Anton Disclosed no conflict of interest.
Khlopas, M.D., Anton Disclosed no conflict of interest.
Khor, Khiam Aik Disclosed no conflict of interest.
Khoshgoftar, Mehdi Disclosed no conflict of interest.
Khoury, Anthony N Disclosed no conflict of interest.
Khoz, Zahra Disclosed no conflict of interest.
Khullar, Piyush Disclosed no conflict of interest.
Khuu, Anne Disclosed no conflict of interest.
Kiapour, Ali ................................ 3A: 4Web Medical.

Kiapour, Ata M .............................. 8: BMC Musculoskeletal Disorders.

Kibble, Kendra ...................................... Disclosed no conflict of interest.

Kidziński, Lukasz .............................. Disclosed no conflict of interest.

Kihara, Shinsuke .............................. Disclosed no conflict of interest.

Kihara, Sinsuke .............................. Disclosed no conflict of interest.

Kikuchi, Sho ...................................... Disclosed no conflict of interest.

Killian, Megan L ...................................... 5: LiteCure.

Kim, Do-Gyoon .............................. Disclosed no conflict of interest.

Kim, Dong Hwa .............................. Disclosed no conflict of interest.

Kim, Dong-Hwa .............................. Disclosed no conflict of interest.

Kim, Eun Kyoung .............................. Disclosed no conflict of interest.

Kim, Harry ...................................... Disclosed no conflict of interest.

Kim, Harry K. W. .............................. Disclosed no conflict of interest.

Kim, Hee Joong .............................. 3B: Corentec company.

Kim, Hubert ...................................... Disclosed no conflict of interest.

Kim, Hyungtaek .............................. Disclosed no conflict of interest.

Kim, Jeongwon ...................................... Disclosed no conflict of interest.

Kim, Jin-A ...................................... Disclosed no conflict of interest.

Kim, Jong Kil .............................. Disclosed no conflict of interest.

Kim, Jongkil ...................................... Disclosed no conflict of interest.

Kim, Joon-Woo .............................. Disclosed no conflict of interest.

Kim, Jung Sung .............................. Disclosed no conflict of interest.

Kim, Juyoung ...................................... Disclosed no conflict of interest.

Kim, Kang ...................................... Disclosed no conflict of interest.

Kim, Kang-il ...................................... Disclosed no conflict of interest.


Kim, Kevin ...................................... Disclosed no conflict of interest.

Kim, Ma Rie ...................................... Disclosed no conflict of interest.

Kim, Matthew ...................................... Disclosed no conflict of interest.

Kim, Min S. ...................................... Disclosed no conflict of interest.

Kim, Minwook ...................................... Disclosed no conflict of interest.

Kim, Paul.R ...................................... Disclosed no conflict of interest.

Kim, Ra Jeong ...................................... Disclosed no conflict of interest.
Kim, Ryan........................................Disclosed no conflict of interest.
Kim, Seoyeong..............................Disclosed no conflict of interest.
Kim, Shin-Yoon..............................Disclosed no conflict of interest.
Kim, Sung Yeon..............................Disclosed no conflict of interest.
Kim, Sungwoo..............................Disclosed no conflict of interest.
Kim, Sunjung..............................Disclosed no conflict of interest.
Kim, Tae Won B..............................Disclosed no conflict of interest.
Kim, Wook-Cheol..............................Disclosed no conflict of interest.
Kim, WooYoung..............................Disclosed no conflict of interest.
Kim, Yongcheol..............................Disclosed no conflict of interest.
Kim, Yong-Rak..............................Disclosed no conflict of interest.
Kim, Yoseph..............................Disclosed no conflict of interest.
Kim, Youngji..............................Disclosed no conflict of interest.
Kim, Wook........................................Disclosed no conflict of interest.
Kim, Wook-Cheol..............................Disclosed no conflict of interest.
Kim, WooYoung..............................Disclosed no conflict of interest.
Kim, Yongcheol..............................Disclosed no conflict of interest.
Kim, Yong-Rak..............................Disclosed no conflict of interest.
Kim, Yoseph..............................Disclosed no conflict of interest.
Kim, Youngji..............................Disclosed no conflict of interest.
Kim, Young-Jo..............................3C: Orthopediatrics; 7B: Springer Publishing; 8: Orthopedic Reviews, Journal of Hip Preservation Surgery, Osteoarthritis and Cartilage.
Kim, Yuri........................................Disclosed no conflict of interest.
Kimmerling, Kelly A..........................3A: Organogenesis, Inc.
Kimura, Atsushi..............................Disclosed no conflict of interest.
Kimura, Masashi..............................Disclosed no conflict of interest.
Kimura, Tadashi..............................Disclosed no conflict of interest.
Kimura, Tomoatsu............................Disclosed no conflict of interest.
Kimura, Tsuyoshi............................Disclosed no conflict of interest.
Kimura, Yuka..............................Disclosed no conflict of interest.
Kim-Wang, Sophia Y........................Disclosed no conflict of interest.
Kindig, Matthew W........................Disclosed no conflict of interest.
King, Andrew..............................Disclosed no conflict of interest.
King, Andy..............................3A: Exactech, Inc.
King, Graham J..........................3B: Wright Medical.
King, Jesse L..............................Disclosed no conflict of interest.
King, Karen B..............................Disclosed no conflict of interest.
King, Nathaniel O..............................Disclosed no conflict of interest.
King, William..............................3A: William King.
Kingery, Matthew T........................Disclosed no conflict of interest.
Kink, John A..............................Disclosed no conflict of interest.
Kinno, Daichi..............................Disclosed no conflict of interest.
Kiridly, Daniel .................. Disclosed no conflict of interest.
Kiridly, Daniel N .................. Disclosed no conflict of interest.
Kirk, Natalie .................. 3A: PolarityTE; 4: PolarityTE.
Kirkland, James L .................. Disclosed no conflict of interest.
Kirksey, Meghan A .................. Disclosed no conflict of interest.
Kirnaz, Sirtaç .................. Disclosed no conflict of interest.
Kirn-Safran, Catherine B .................. Disclosed no conflict of interest.
Kirsch, Joachim .................. Disclosed no conflict of interest.
Kirsch, Thorsten .................. Disclosed no conflict of interest.
Kirschenbaum, Joshua .................. Disclosed no conflict of interest.
Kishan, Alysha .................. Disclosed no conflict of interest.
Kishida, Akio .................. Disclosed no conflict of interest.
Kishida, Tsunao .................. Disclosed no conflict of interest.
Kishiro, Satoshi .................. Disclosed no conflict of interest.
Kisiday, John .................. Disclosed no conflict of interest.
Kisiday, John D .................. 4: Advanced Regenerative Therapies.
Kisiday, John D .................. 4: Stock ownership in Advanced Regenerative Therapies and Regenexx.
Kita, Kouji .................. Disclosed no conflict of interest.
Kitabayashi, Issay .................. 5: Daiichi Sankyo Co., Ltd.
Kitada, Masaaki .................. Disclosed no conflict of interest.
Kitajima, Masaru .................. Disclosed no conflict of interest.
Kitayama, Kazumichi .................. Disclosed no conflict of interest.
Kitoh, Hiroshi .................. Disclosed no conflict of interest.
Kivitz, Griffin .................. Disclosed no conflict of interest.
Kiyono, Masahiro .................. Disclosed no conflict of interest.
Kleber, Christian .................. Disclosed no conflict of interest.
Kleimeyer, John .................. Disclosed no conflict of interest.
Klein, David .................. Disclosed no conflict of interest.
Klein, Jason .................. Disclosed no conflict of interest.
Klein, Peter S .................. Disclosed no conflict of interest.
Klein, Travis .................. 4: Gelomics Pty Ltd.
Kleine, Stephanie .................. Disclosed no conflict of interest.
Klemt, Christian .................. Disclosed no conflict of interest.
Kleweno, Conor .................. 3B: Globus Medical.
Klewewer, Jacob A .................. Disclosed no conflict of interest.
Klika, Alison K ........................................ Disclosed no conflict of interest.
Klontzas, Michail E ........................................ Disclosed no conflict of interest.
Klosterhoff, Brett S ........................................ Disclosed no conflict of interest.
Kluck, Dylan ........................................ Disclosed no conflict of interest.
Klug, Natalie R ........................................ Disclosed no conflict of interest.
Kluijtman, Leo ........................................ Disclosed no conflict of interest.
Knafler, Gabrielle J ........................................ Disclosed no conflict of interest.
Knapp, Emma ........................................ Disclosed no conflict of interest.
Knell, Robert ........................................ Disclosed no conflict of interest.
Knoblach, Susan ........................................ Disclosed no conflict of interest.
Knothe Tate, Melissa L ........................................ Disclosed no conflict of interest.
Knothe, Ulf ........................................ Disclosed no conflict of interest.
Knott, Samantha L ........................................ Disclosed no conflict of interest.
Knouse, Brandon ........................................ Disclosed no conflict of interest.
Knowles, Nikolas ........................................ Disclosed no conflict of interest.
Knowles, Nikolas K ........................................ Disclosed no conflict of interest.
Knowlton, Christopher B ........................................ Disclosed no conflict of interest.
Knudson, Cheryl B ........................................ Disclosed no conflict of interest.
Knudson, Warren ........................................ Disclosed no conflict of interest.
Knusel, Konrad D ........................................ Disclosed no conflict of interest.
Knutson, Kassidy ........................................ Disclosed no conflict of interest.
Ko, Frank C ........................................ Disclosed no conflict of interest.
Ko, Ji-yun ........................................ Disclosed no conflict of interest.
Kobashi, Syojo ........................................ Disclosed no conflict of interest.
Kobatake, Tomoki ........................................ Disclosed no conflict of interest.
Kobayashi, AKIRA ........................................ Disclosed no conflict of interest.
Kobayashi, Daigo ........................................ Disclosed no conflict of interest.
Kobayashi, Hideyuki ........................................ Disclosed no conflict of interest.
Kobayashi, Kenji ........................................ Disclosed no conflict of interest.
Kobayashi, Koichi ........................................ Disclosed no conflict of interest.
Kobayashi, Makoto ........................................ Disclosed no conflict of interest.
Kobayashi, Masato ........................................ Disclosed no conflict of interest.
Kobayashi, Naomi ........................................ Disclosed no conflict of interest.
Kobayashi, Shu ........................................ Disclosed no conflict of interest.
Kobayashi, Takuma ........................................ Disclosed no conflict of interest.
Kobayashi, Tetsuo ...................... Disclosed no conflict of interest.
Kobayashi, Tetsuya ...................... Disclosed no conflict of interest.
Kobayasi, Naomi .......................... Disclosed no conflict of interest.
Kocabas, Semsi .......................... Disclosed no conflict of interest.
Koch, John .............................. Disclosed no conflict of interest.
Koch, Kevin M. .......................... Disclosed no conflict of interest.
Koch, Lauren G .......................... Disclosed no conflict of interest.
Koch, Richard L. .......................... Disclosed no conflict of interest.
Koda, Masao .......................... Disclosed no conflict of interest.
KODAMA, AKIRA .......................... 6: Lintec of America, INC., Richardson.
Kodama, Joe .......................... 6: Aimedic MMT.
Kodama, Yuya .......................... Disclosed no conflict of interest.
Kodigudla, Manoj .......................... Disclosed no conflict of interest.
Kodsy, Mark .......................... Disclosed no conflict of interest.
Koff, Matthew .......................... Disclosed no conflict of interest.
Koff, Matthew F .......................... Disclosed no conflict of interest.
Koff, Matthew F .......................... 5: GE Healthcare.
Koga, Hideyuki .......................... Disclosed no conflict of interest.
Koga, Hiroshi .......................... Disclosed no conflict of interest.
Koga, Yoshio .......................... Disclosed no conflict of interest.
Kogai, Yasumichi .......................... Disclosed no conflict of interest.
Kogan, Feliks .......................... Disclosed no conflict of interest.
Kogut, Igor .......................... Disclosed no conflict of interest.
Koh, Yong-Gon .......................... Disclosed no conflict of interest.
Kohn, David H .......................... Disclosed no conflict of interest.
Kohner, Andrew B .......................... Disclosed no conflict of interest.
Kohno, Kenichi .......................... Disclosed no conflict of interest.
Kohno, Yuji .......................... Disclosed no conflict of interest.
Kohno, Yusuke .......................... Disclosed no conflict of interest.
Kohyama, Jun .......................... Disclosed no conflict of interest.
Koibuchi, Noriyuki .......................... Disclosed no conflict of interest.
Koide, Masashi .......................... Disclosed no conflict of interest.
Koji, Otabe .......................... Disclosed no conflict of interest.
Kojima, Toshihisa .................. Disclosed no conflict of interest.
Kok, Joeri ........................................ Disclosed no conflict of interest.
Kokabu, Terufumi ..................  Disclosed no conflict of interest.
Kokai, Lauren .......................... Disclosed no conflict of interest.
Kokubo, Yasuo .................. Disclosed no conflict of interest.
Kokubun, Takanori .................. Disclosed no conflict of interest.
Kolbinger, Frank 3A: Novartis AG.
Kolonin, Mikhail G .................. Disclosed no conflict of interest.
Kolz, Christopher W .................. Disclosed no conflict of interest.
Komaki, Hirokazu .................. Disclosed no conflict of interest.
Komaki, Yuji .................. Disclosed no conflict of interest.
Komatsu, David E .................. Disclosed no conflict of interest.
Komatsubara, Satoshi .................. Disclosed no conflict of interest.
Komori, Keiichiro .................. Disclosed no conflict of interest.
Konan, Sujith .................. Disclosed no conflict of interest.
Konda, Sanjit R 8: American Journal of Orthopedics.
Konda, Shoji .................. Disclosed no conflict of interest.
Kondo, Eiji 5: Olympus Terumo Biomaterials, Smith and Nephew Endoscopy, Itonaga Co., Ltd., Japan.
Kondo, Eiji 7B: Olympus Terumo Biomaterials.
Kondo, Kyoko .................. Disclosed no conflict of interest.
Kono, Kenichi .................. Disclosed no conflict of interest.
Konop, Katherine A .................. Disclosed no conflict of interest.
Kontaxis, Andreas .................. Disclosed no conflict of interest.
Koo, Seungbum .................. Disclosed no conflict of interest.
Koopman, Bart .................. Disclosed no conflict of interest.
Kopa, Sarah C .................. Disclosed no conflict of interest.
Korcari, Antonion .................. Disclosed no conflict of interest.
Korhonen, Rami K .................. Disclosed no conflict of interest.
Korkusuz, Feza .................. Disclosed no conflict of interest.
Korkusuz, Petek .................. Disclosed no conflict of interest.
Kornegay, Joe N .................. Disclosed no conflict of interest.
Koshimizu, Hiroyuki 6: Sumitomo Dainippon Pharma Co, Japan.
Koshino, Yuta .................. Disclosed no conflict of interest.
Koster, Lennard Disclosed no conflict of interest.
Kostesic, Petar Disclosed no conflict of interest.
Kosugi, Kenji Disclosed no conflict of interest.
Kosugi, Shinichi Disclosed no conflict of interest.
Kot, Alex Disclosed no conflict of interest.
Kotani, Yoshihisa Disclosed no conflict of interest.
Kotelsky, Alexander Disclosed no conflict of interest.
Kottmeier, Stephen A Disclosed no conflict of interest.
Kotturi, Hari Disclosed no conflict of interest.
Kouri, Vesa-Petteri Disclosed no conflict of interest.
Kouroupis, Dimitrios Disclosed no conflict of interest.
Kovacevic, David 8: Journal of Bone and Joint Surgery; 9: American Orthopaedic Association, AAOS.
Kowal, Michael Disclosed no conflict of interest.
Kowalski, Erik Disclosed no conflict of interest.
Koyama, Eiki Disclosed no conflict of interest.
Koyama, Kazuhige Disclosed no conflict of interest.
Koyama, Tsuyoshi Disclosed no conflict of interest.
Kozar, Albert J Disclosed no conflict of interest.
Kozar, Zachary Disclosed no conflict of interest.
Kozemchak, Adam Disclosed no conflict of interest.
Kozloff, Kenneth M Disclosed no conflict of interest.
Kozono, Naoya Disclosed no conflict of interest.
Kraeima, Joep Disclosed no conflict of interest.
Krahnenbuhl, Nicola Disclosed no conflict of interest.
Krähenbühl, Nicola Disclosed no conflict of interest.
Kralinger, Franz 3B: Exactech Inc.
Kramer, Jacob S Disclosed no conflict of interest.
Kraszewski, Andrew Disclosed no conflict of interest.
Kraus, Jonathan Disclosed no conflict of interest.
Kraus, Virginia B 3B: Novartis, Kolon TissueGene, GSK; 5: Bayer, Bioiberica.
Krebs, Melissa Disclosed no conflict of interest.
Kremers, Walter Disclosed no conflict of interest.
Kreviazuk, Cheryl Disclosed no conflict of interest.
Krishnamoorthy, Divya Disclosed no conflict of interest.
Krishnamoorthy, Vignesh P Disclosed no conflict of interest.
Krishnan, Laxminarayanan ........ Disclosed no conflict of interest.
Krishnan, Yamini ................. 4: Flexion Therapeutics, Inc.; 5: Flexion Grant to MIT.
Kritschil, Rebecca .................. Disclosed no conflict of interest.
Krob, Joseph J ....................... Disclosed no conflict of interest.
Krock, Emerson ...................... Disclosed no conflict of interest.
Kröger, Heikki ...................... Disclosed no conflict of interest.
Krogeue, Justin D ................... Disclosed no conflict of interest.
Kromka, Joseph ..................... Disclosed no conflict of interest.
Kruger, Karen M .................... Disclosed no conflict of interest.
Kruse, Jesse D ...................... Disclosed no conflict of interest.
Kruyt, Moyo ......................... Disclosed no conflict of interest.
Kruyt, Moyo C ........................ 5: K2M.
Krych, Aaron ....................... Disclosed no conflict of interest.
Krych, Aaron J ...................... Disclosed no conflict of interest.
Krzak, Joseph ....................... Disclosed no conflict of interest.
Krzak, Joseph J ..................... Disclosed no conflict of interest.
Kuang, Biao ......................... Disclosed no conflict of interest.
Kubo, Toshikazu ..................... Disclosed no conflict of interest.
Kubo, Yusuke ....................... Disclosed no conflict of interest.
Kubota, Keisuke .................... Disclosed no conflict of interest.
Kubota, Rei ......................... Disclosed no conflict of interest.
Kubota, Satoshi .................... Disclosed no conflict of interest.
Kudo, Hitoshi ....................... Disclosed no conflict of interest.
Kuenzler, Michael .................. Disclosed no conflict of interest.
Kuhn, Gisela A ...................... Disclosed no conflict of interest.
Kuhns, Benjamin D ............... Disclosed no conflict of interest.
Kuijper, Ed J ....................... Disclosed no conflict of interest.
Kuijpers, Martijn F.L. ............ Disclosed no conflict of interest.
Kumabe, Yohei ..................... Disclosed no conflict of interest.
Kumaga, Yoshio .................. Disclosed no conflict of interest.
Kumagai, Gentaro .................. Disclosed no conflict of interest.
Kumagai, Hiroshi .................. Disclosed no conflict of interest.
Kumagai, Ken ...................... Disclosed no conflict of interest.
Kumai, Tsukasa ................... Disclosed no conflict of interest.
Kumar, Anand R ................... 3B: PolarityTE.
Kumar, Ashok ....................... Disclosed no conflict of interest.
Kumar, Raina ........................ Disclosed no conflict of interest.
Kumar, Shreedevi ....................... Disclosed no conflict of interest.
Kumaravel, Manickam ................... Disclosed no conflict of interest.
Kumbar, Sangamesh ............... 6: Novartis Institutes for Biomedical Research.
Kumta, Shekhar M ........................ Disclosed no conflict of interest.
Kunii, Saori .......................... Disclosed no conflict of interest.
Kunii, Tomonori ........................ Disclosed no conflict of interest.
Kunikazu, Tsujii ........................ Disclosed no conflict of interest.
Kunisada, Toshiyuki ............... Disclosed no conflict of interest.
Kuniyoshi, Kazuki ................ Disclosed no conflict of interest.
Kunkel, Zachary ....................... Disclosed no conflict of interest.
Kunselman, Allen .................... Disclosed no conflict of interest.
Kuntz, Andrew ....................... 5: Orthofix, Inc.
Kunze, Kyle N ....................... Disclosed no conflict of interest.
Kuo, Alfred .......................... Disclosed no conflict of interest.
Kuo, Catherine ....................... Disclosed no conflict of interest.
Kuo, Catherine K ................... Disclosed no conflict of interest.
Kuo, Catherine K ................... Disclosed no conflict of interest.
Kurakawa, Takuto ................ Disclosed no conflict of interest.
Kurakazu, Ichiro ................ Disclosed no conflict of interest.
Kurano, Makoto ..................... Disclosed no conflict of interest.
Kure, Miho .......................... Disclosed no conflict of interest.
Kurihara, Taisei ........................ Disclosed no conflict of interest.
Kurisawa, Motoichi .................. Disclosed no conflict of interest.
Kuriyama, Shinichi ................ Disclosed no conflict of interest.
Kuroda, Ryosuke ................ Disclosed no conflict of interest.
Kuroda, Yuichi ..................... Disclosed no conflict of interest.
Kuroiwa, Yu .......................... Disclosed no conflict of interest.
Kurokawa, Hiroaki ................ Disclosed no conflict of interest.
Kurokawa, Takayuki ................ Disclosed no conflict of interest.
Kuroki, Keiichi ................... Disclosed no conflict of interest.
Kurosaka, Mitsutoshi ........ Disclosed no conflict of interest.
Kurosawa, Takashi ................ Disclosed no conflict of interest.
Kuroyanagi, Kaname ........ Disclosed no conflict of interest.
Kurra, Swamy .......................... Disclosed no conflict of interest.
Kurt, Weiss R .......................... Disclosed no conflict of interest.
Kurtaliaj, Iden .......................... Disclosed no conflict of interest.
Kurtz, Steven .......................... 2: Exponent; 3B: Exponent; 5: Celanese, Ceramtec, Ferring Pharmaceuticals, Invibio, Simplify
Kurtz, Steven M ......................... 2: Exponent; 3B: Exponent; 5: Stryker, Zimmer Biomet, Invibio, Stelkast, Wright Medical Technology, Ceramtec, Celanese, Simplify Medical, Ferring Pharmaceuticals; 6: Exponent; 7B: Elsevier.
Kurtz, Steven M ......................... 3B: Exponent; 5: Celanese, Ferring Pharmaceuticals, Invibio, Simplify Medical, Stelkast, Kyocera Medical, Wright Medical Technology, Lima Corporate, Stryker, Zimmer; 7B: Elsevier.
Kurumadani, Hiroshi ...................... Disclosed no conflict of interest.
Kurz, Bodo .............................. Disclosed no conflict of interest.
Kusano, Taiki ............................ Disclosed no conflict of interest.
Kusayama, Yoshihiro ..................... Disclosed no conflict of interest.
Kushida, Yoshihisa ....................... Disclosed no conflict of interest.
Kushioka, Junichi ......................... Disclosed no conflict of interest.
Kusins, Jonathan ......................... Disclosed no conflict of interest.
Kuster, Bernardo K ....................... Disclosed no conflict of interest.
Kususky, Justin .......................... Disclosed no conflict of interest.
kuwahara, masanari ...................... Disclosed no conflict of interest.
Kuwahara, Wataru ........................ Disclosed no conflict of interest.
Kuzyk, Paul .............................. Disclosed no conflict of interest.
Kuzyk, Paul R.T. .......................... 5: DePuy Synthes Canada Ltd.
Kwak, Dai-Soon ......................... Disclosed no conflict of interest.
Kwak, Jin Hee ............................ Disclosed no conflict of interest.
Kwak, Taeyang ........................... Disclosed no conflict of interest.
Kwan, Kenny YH ......................... Disclosed no conflict of interest.
Kwon, Hyuk-Kwon ........................ Disclosed no conflict of interest.
Kwon, Jinha .............................. Disclosed no conflict of interest.
Kwon, Nicholas .......................... Disclosed no conflict of interest.
Kwon, Ronald Y. ......................... Disclosed no conflict of interest.
Kwon, Sae Kwang ......................... Disclosed no conflict of interest.
Kwon, Young-Min ......................... 5: Stryker, Zimmer Biomet, Depuy, Corentec, Smith&Nephew.
Kyada, Rutvin ........................... Disclosed no conflict of interest.
La Carrubba, Vincenzo ................. Disclosed no conflict of interest.
LaBelle, Steven A ......................... Disclosed no conflict of interest.
Labroo, Pratima ......................... 3A: PolarityTE; 4: PolarityTE.
Labrum, Joseph ......................... Disclosed no conflict of interest.
Labus, Kevin .......................... Disclosed no conflict of interest.
Lad, Heta .............................. Disclosed no conflict of interest.
Ladd, Amy L .......................... 4: Loci Orthopedics.
Ladner, Yann .......................... Disclosed no conflict of interest.
Laende, Elise .......................... 3C: Stryker.
Lafeber, Floris P ........................ 4: ArthroSave BV.
Laha, Anwesha ........................ Disclosed no conflict of interest.
Lai, Alon .............................. Disclosed no conflict of interest.
Lai, Carolyn .......................... 3A: Samumed, LLC; 4: Samumed, LLC.
Lai, James ............................ Disclosed no conflict of interest.
Lai, Jianyu ............................. Disclosed no conflict of interest.
Lai, Kevin Cheuk Yin ............. Disclosed no conflict of interest.
Laidlaw, David H ................. Disclosed no conflict of interest.
Lakadamyali, Melike ............. Disclosed no conflict of interest.
Lake, Spencer ....................... Disclosed no conflict of interest.
Lake, Spencer P ..................... Disclosed no conflict of interest.
Lakenberg, Nico .................... Disclosed no conflict of interest.
Lakra, Akshay ....................... Disclosed no conflict of interest.
Lakstins, Katherine ............... Disclosed no conflict of interest.
Lal, Saurabh ......................... Disclosed no conflict of interest.
Lalitha Sridhar, Raghuveer ...... Disclosed no conflict of interest.
Lalone, Emily A ...................... Disclosed no conflict of interest.
Lam Tin Cheung, Kimberley ...... Disclosed no conflict of interest.
Lam, Kenrick ......................... Disclosed no conflict of interest.
Lam, Ming-Yi ......................... Disclosed no conflict of interest.
Lam, Phillip .......................... Disclosed no conflict of interest.
Lam, Raymond Wing Moon ....... Disclosed no conflict of interest.
Lama, Polly ........................... Disclosed no conflict of interest.
Lamangen, Lisa ...................... 3A: Samumed, LLC; 4: Samumed, LLC.
Lambert, Bradley .................. Disclosed no conflict of interest.
Lambert, Bradley S ................ Disclosed no conflict of interest.
Lambert, Lyssa ...................... 3A: PolarityTE; 4: PolarityTE.
Lamberti, Francis ................... 3A: AgNovos Healthcare; 4: AgNovos Healthcare.
Lambeth, Emily P ................. Disclosed no conflict of interest.
Lambrechts, Mark J ....................... Disclosed no conflict of interest.
Lamontagne, Mario ...................... 5: MicroPort.
Lance, Derek A ......................... Disclosed no conflict of interest.
Landgren, Marcus ....................... Disclosed no conflict of interest.
Landis, William ....................... Disclosed no conflict of interest.
Lane, Nancy .......................... Disclosed no conflict of interest.
Lang, Annemarie ....................... Disclosed no conflict of interest.
Lang, Zhao ................................ Disclosed no conflict of interest.
Lange-Maia, Brittney ................. Disclosed no conflict of interest.
Langfitt, Maxwell ....................... Disclosed no conflict of interest.
Langford, David K ..................... Disclosed no conflict of interest.
Langhorn, Jason ........................ 3A: DePuy Synthes Joint Reconstruction.
Langhorn, Jason ........................ 3A: DePuy Synthes Joint Reconstruction; 4: DePuy Synthes Joint Reconstruction.
Langohr, G Daniel G ................... Disclosed no conflict of interest.
Langohr, G. Daniel G. ................ Disclosed no conflict of interest.
Langton, David J ....................... Disclosed no conflict of interest.
Lankachandra, Manesha ............... Disclosed no conflict of interest.
Lanre-Amos, Tomi ...................... Disclosed no conflict of interest.
Lansdown, Drew A ...................... Disclosed no conflict of interest.
Lansdown, Drew A ...................... Disclosed no conflict of interest.
Lanting, Brent .......................... Disclosed no conflict of interest.
Lantto, Iikka .................. Disclosed no conflict of interest.
LaPrade, Robert ....................... 1: Arthrex; Ossur; Smith & Nephew; 3B: Arthrex; Ossur; Smith & Nephew; 5: Arthrex; Ossur; Smith & Nephew; Siemens.
Lark, Karl G ....................... Disclosed no conflict of interest.
Larkin, Lisa ............................... Disclosed no conflict of interest.
Larkin, Lisa M ....................... Disclosed no conflict of interest.
Larkin, Lisa M. ....................... Disclosed no conflict of interest.
LARRETA-GARDE, Véronique..... Disclosed no conflict of interest.
Larsen, Christopher ................ Disclosed no conflict of interest.
Larsson, David ....................... Disclosed no conflict of interest.
Larsson, Melker ....................... Disclosed no conflict of interest.
LaRue, Amanda ....................... Disclosed no conflict of interest.
Lascelles, B. Duncan X. 2: Elanco, Zoetis, Boeringher Ingelheim; 3B: Centrexion, Elanco, Zoetis, Pfizer.

Laschke, Matthias Disclosed no conflict of interest.

Laschke, Matthias W. Disclosed no conflict of interest.

Lasitschka, Felix Disclosed no conflict of interest.


Lasuncion, Ines Maldonado Disclosed no conflict of interest.

Latifi, Seyed Mohsen Disclosed no conflict of interest.

Latt, L. Daniel Disclosed no conflict of interest.

Latta, Loren Disclosed no conflict of interest.


Lau, Carol PY Disclosed no conflict of interest.

Lau, Edmund 5: Stryker Orthopedics, Relievant Medsystems, Boston Scientific, Sanofi, Medtronic, Alcon Corp, Ferring Pharmaceuticals.

Lau, Johnson YN 4: Dr. Lau is affiliated with Avalon Spinecare, and has shares related to the company.

Lau, Yian Kai A Disclosed no conflict of interest.

Lau, Yian Khai A Disclosed no conflict of interest.

Laudier, Damien M Disclosed no conflict of interest.

Laukhuf, Corey 3A: DePuy Synthes Joint Reconstruction.

Laumonerie, Pierre Disclosed no conflict of interest.

Laumonier, Thomas Disclosed no conflict of interest.

Laurencin, Cato 5: Novartis Institutes for Biomedical Research.

Laurent, Michel Disclosed no conflict of interest.

Laurent, Michel P Disclosed no conflict of interest.


Lavender, Steven A Disclosed no conflict of interest.

Lavertu, Marc 4: Ortho Regenerative Technologies Inc.

Laverty, Sheila 9: Arthritis Society of Canada, charitable organization.

Lavoie, Frédéric Disclosed no conflict of interest.

Law, Brian C 2: Zimmer-Biomet; 8: Journal of Surgical Education.

Law, Ruby H.P. Disclosed no conflict of interest.

Lawendy, Abdel Disclosed no conflict of interest.

Lawler, Ericka Disclosed no conflict of interest.

Lawrence, Austin B Disclosed no conflict of interest.

Lawrence, Brandon Disclosed no conflict of interest.
Lawrence, Rebekah L .................. Disclosed no conflict of interest.
Lawson, Lisa Y ......................... Disclosed no conflict of interest.
Lawson, Taylor B ....................... Disclosed no conflict of interest.
Lawson, Zachary T ..................... Disclosed no conflict of interest.
Lay, Lyhour ............................ Disclosed no conflict of interest.
Laycock, Philip ......................... 3A: Biocomposites Ltd.
Le Cann, Sophie ....................... Disclosed no conflict of interest.
Le Huec, Jean-Charles ................. 5: Medtronic grant, given to hospital; 6: Nuvasive teaching fees.
Le Maître, Christine ................... Disclosed no conflict of interest.
Le Maître, Christine L ................ Disclosed no conflict of interest.
Le, Daniel ................................ 3B: Microport Orthopedics.
Leach, J Kent ............................ Disclosed no conflict of interest.
Leach, J. Kent ............................ Disclosed no conflict of interest.
Leahy, Thomas P ....................... Disclosed no conflict of interest.
Leary, Emily ............................. Disclosed no conflict of interest.
Leary, Emily V ........................... Disclosed no conflict of interest.
Leatherwood, William ................. Disclosed no conflict of interest.
Leavell, Sarah ........................... Disclosed no conflict of interest.
Lebaschi, Amir .......................... Disclosed no conflict of interest.
Lebaschi, Amir H ....................... Disclosed no conflict of interest.
LEBEAU, Luc ............................ Disclosed no conflict of interest.
Lebl, Darren ............................. 5: Beatrice and Samuel A. Seaver Foundation.
Lechtig, Aron ............................ Disclosed no conflict of interest.
Ledet, Eric H ............................ 4: ReVivo Medical.
Ledoux, William R .................... 8: Journal of Orthopaedic University, Foot and Ankle International.
Lee, Adrian V ........................... Disclosed no conflict of interest.
Lee, Andy J ............................... Disclosed no conflict of interest.
Lee, Beth ................................. Disclosed no conflict of interest.
Lee, Brendan ............................ Disclosed no conflict of interest.
Lee, Brendan H .......................... Disclosed no conflict of interest.
Lee, Byung Ho ........................... Disclosed no conflict of interest.
Lee, Carlin ............................... Disclosed no conflict of interest.
Lee, Carlin S ............................ Disclosed no conflict of interest.
Lee, Chang H ............................ 9: New Investigator Mentoring Committee, ORS.
Lee, Charles C .......................... Disclosed no conflict of interest.
Lee, Charles C. Disclosed no conflict of interest.
Lee, Cheryl. 3A: Bioventus, LLC.
Lee, Chien-Wei. Disclosed no conflict of interest.
Lee, Daeyeon. Disclosed no conflict of interest.
Lee, Elizabeth. Disclosed no conflict of interest.
Lee, Eugene. Disclosed no conflict of interest.
Lee, Francis Y. Disclosed no conflict of interest.
Lee, Hong-pyo. Disclosed no conflict of interest.
Lee, Jae Sung. Disclosed no conflict of interest.
Lee, Jaewook. Disclosed no conflict of interest.
Lee, Jejin. Disclosed no conflict of interest.
Lee, Jin-Han. Disclosed no conflict of interest.
Lee, Jiwon. Disclosed no conflict of interest.
Lee, Jong Min. Disclosed no conflict of interest.
Lee, Jong-Min. Disclosed no conflict of interest.
Lee, Joon. Disclosed no conflict of interest.
Lee, Joon Y. Disclosed no conflict of interest.
Lee, Keunbae. Disclosed no conflict of interest.
Lee, Kwang il. Disclosed no conflict of interest.
Lee, Kyoung Min. Disclosed no conflict of interest.
Lee, Mark A. Disclosed no conflict of interest.
LEE, MING-SONG. Disclosed no conflict of interest.
Lee, Mitchell. Disclosed no conflict of interest.
Lee, Myung Kyu. Disclosed no conflict of interest.
Lee, Naomi N. Disclosed no conflict of interest.
Lee, Oscar K. Disclosed no conflict of interest.
Lee, Oscar Kuang Sheng. Disclosed no conflict of interest.
Lee, Peter V.S. Disclosed no conflict of interest.
Lee, Ryan. Disclosed no conflict of interest.
Lee, Sang Yang. Disclosed no conflict of interest.
Lee, Se Rom. Disclosed no conflict of interest.
Lee, Seunghun. Disclosed no conflict of interest.
Lee, Simon. Disclosed no conflict of interest.
Lee, Song Joo ................................... Disclosed no conflict of interest.
Lee, Songhee ..................................... Disclosed no conflict of interest.
Lee, Soon Hyuck ................................. Disclosed no conflict of interest.
LEE, SUNGJAЕ ................................. Disclosed no conflict of interest.
Lee, Sung-Jae .................................... Disclosed no conflict of interest.
Lee, Taekyeong ................................. Disclosed no conflict of interest.
Lee, Thay ................................. 3B: Arthrex Inc.; 5: Arthrex Inc.; 8: JSES.
Lee, Wonhee ........................................ Disclosed no conflict of interest.
Lee, Wonsae ........................................ Disclosed no conflict of interest.
Lee, Yeon Soo ..................................... Disclosed no conflict of interest.
Lee, Yeon-Hee .................................... Disclosed no conflict of interest.
Lee, YongKyung ................................... Disclosed no conflict of interest.
LEE, sang-soo ................................... Disclosed no conflict of interest.
Lefebvre, Veronique ............................ Disclosed no conflict of interest.
Legato, Joseph M ............................... Disclosed no conflict of interest.
Lehoux, Eric A. ................................... Disclosed no conflict of interest.
Lei, Changbin .................................... Disclosed no conflict of interest.
Lei, Jenny .......................................... Disclosed no conflict of interest.
Lei, Kevin ......................................... Disclosed no conflict of interest.
Leiferman, Ellen .................................. Disclosed no conflict of interest.
Leiferman, Ellen M .............................. Disclosed no conflict of interest.
Leijendekkers, Ruud ............................ Disclosed no conflict of interest.
Leiphart, Ryan .................................... Disclosed no conflict of interest.
Leiphart, Ryan J ................................. Disclosed no conflict of interest.
Lellouch, Alexandre G. ........................ Disclosed no conflict of interest.
Lemans, Justin VC .............................. Disclosed no conflict of interest.
Lemay, Celeste .................................... Disclosed no conflict of interest.
Lemirre, Thibaut .................................. Disclosed no conflict of interest.
Lemon, Elisabeth A. ............................. Disclosed no conflict of interest.
Lemoine, Mark ..................................... Disclosed no conflict of interest.
Lemons, Jack E ................................. 3B: Biomet, Smith & Nephew, Synthes, Johnso & Johnson, Zimmer, 6: Biomet, Smith and Nephew, Stryker, Zimmer
Lenhart, Rachel L ............................... Disclosed no conflict of interest.
Lenherr, Christopher ............................ Disclosed no conflict of interest.
Lenhoff, Mark ..................................... Disclosed no conflict of interest.
Lenz, Amy L .......................... Disclosed no conflict of interest.
Leonardi, Claudia ...................... Disclosed no conflict of interest.
Leonardi, Erika ........................ Disclosed no conflict of interest.
LePage, Emma C ......................... Disclosed no conflict of interest.
Leppilahti, Juhana ....................... Disclosed no conflict of interest.
Leroux, Amélie ......................... Disclosed no conflict of interest.
Lescun, Timothy B ....................... Disclosed no conflict of interest.
Leslie, Laura J .......................... Disclosed no conflict of interest.
Lesniak, Bryson P ....................... Disclosed no conflict of interest.
Lessard, Samantha G ................... Disclosed no conflict of interest.
Leszko, Filip ............................ 3A: Johnson & Johnson; 4: Johnson & Johnson.
Leucht, Philipp ......................... Disclosed no conflict of interest.
Leung, Kwok Sui ......................... Disclosed no conflict of interest.
Leung, Victor ........................... Disclosed no conflict of interest.
Leupin, Olivier ......................... 3A: Novartis AG.
Leurgans, Sue E ......................... Disclosed no conflict of interest.
Leuthardt, Eric ......................... 1: OsteoVantage, Inc.
Levack, Ashley ......................... Disclosed no conflict of interest.
LeVasseur, Clarissa .................... Disclosed no conflict of interest.
LeVasseur, Clarissa M ................. Disclosed no conflict of interest.
Levenson, Richard M ................... 4: MUSE Microscopy Inc.
Levenston, Marc ....................... Disclosed no conflict of interest.
Levenston, Marc E ..................... Disclosed no conflict of interest.
Levillain, Aurélie ...................... Disclosed no conflict of interest.
Levin, Adam ........................... Disclosed no conflict of interest.
Levine, Brett R ......................... 3B: Merete, Link, DePuy; 5: Zimmer-Biomet, Artelon.
LeVine, David ......................... 3C: Medtronic.
Levine, Mitchel ........................ Disclosed no conflict of interest.
Levings, Padraic ....................... Disclosed no conflict of interest.
Levis, Hunter .......................... Disclosed no conflict of interest.
Lewallen, Eric A. Disclosed no conflict of interest.
Lewandowski, Phillip 3B: Exactech Inc.
Lewis, Cara Disclosed no conflict of interest.
Lewis, Cara L Disclosed no conflict of interest.
Lewis, Greg Disclosed no conflict of interest.
Lewis, Gregory Disclosed no conflict of interest.
Lewis, Gregory S 5:Received orthopaedic device from Depuy-Synthes.
Lewis, Gregory S Disclosed no conflict of interest.
Lewis, Samantha Disclosed no conflict of interest.
Lewis, Valerae O 8: Sarcoma; 9: MSTS, AAOS.
Leyden, Jacinta Disclosed no conflict of interest.
Li, Alfred Disclosed no conflict of interest.
Li, Bin Disclosed no conflict of interest.
Li, Bingyun Disclosed no conflict of interest.
Li, Bo Disclosed no conflict of interest.
Li, Cai Disclosed no conflict of interest.
Li, Changzhao Disclosed no conflict of interest.
Li, Chenxi 3A: Smith & Nephew.
Li, Chenxi 3A: Smith & Nephew; 4: Smith & Nephew.
Li, Christopher Y Disclosed no conflict of interest.
Li, Daniel Disclosed no conflict of interest.
Li, Daniel D Disclosed no conflict of interest.
Li, Dongqing Disclosed no conflict of interest.
Li, Feng Disclosed no conflict of interest.
Li, Geng Disclosed no conflict of interest.
Li, Guoan Disclosed no conflict of interest.
Li, Hai-Tao Disclosed no conflict of interest.
Li, Hong Disclosed no conflict of interest.
Li, Hongshuai Disclosed no conflict of interest.
Li, Jianyu Disclosed no conflict of interest.
Li, Jiewen Disclosed no conflict of interest.
Li, Jihui Disclosed no conflict of interest.
Li, JingSheng Disclosed no conflict of interest.
Li, Jing-Sheng Disclosed no conflict of interest.
Li, Jun Disclosed no conflict of interest.
Li, Lu........................................... Disclosed no conflict of interest.
Li, Meng Chen................................ Disclosed no conflict of interest.
Li, Na .............................................. Disclosed no conflict of interest.
Li, Pengcui .................................. Disclosed no conflict of interest.
Li, Ping ........................................... 3A: Ping Li.
Li, Ping Yue .................................... Disclosed no conflict of interest.
Li, Qing ........................................... Disclosed no conflict of interest.
Li, Rebecca ........................................ Disclosed no conflict of interest.
Li, Thomas M .................................. Disclosed no conflict of interest.
Li, Tieshi ......................................... Disclosed no conflict of interest.
Li, Tinghui ....................................... Disclosed no conflict of interest.
Li, Troy ............................................. Disclosed no conflict of interest.
Li, Wan-Ju ....................................... Disclosed no conflict of interest.
Li, Whitney ..................................... Disclosed no conflict of interest.
Li, XIAOFEI ..................................... Disclosed no conflict of interest.
Li, Xiaojuan ..................................... Disclosed no conflict of interest.
Li, Xiaoning ..................................... Disclosed no conflict of interest.
Li, Xiaowei ....................................... Disclosed no conflict of interest.
Li, Xiaoyang ..................................... Disclosed no conflict of interest.
Li, Xinyu .......................................... Disclosed no conflict of interest.
Li, Xudong ....................................... Disclosed no conflict of interest.
Li, Yageng ......................................... 3A: 3Helix, Inc.; 4: 3Helix, Inc.
Li, Yang ........................................... 4: 3Helix Inc.
Li, Yihan .......................................... Disclosed no conflict of interest.
Li, Yingjuan .................................... Disclosed no conflict of interest.
Li, Yong ........................................... Disclosed no conflict of interest.
Li, Zhong ......................................... Disclosed no conflict of interest.
Li, Zhongyu J .................................... Disclosed no conflict of interest.
Li, Zong-Ming .................................. Disclosed no conflict of interest.
Lian, Jayson ..................................... Disclosed no conflict of interest.
Liang, Haixiang ................................... Disclosed no conflict of interest.
Liang, Hudson .................................. Disclosed no conflict of interest.
Liang, Shuang ................................... Disclosed no conflict of interest.
Liang, Ting ....................................... Disclosed no conflict of interest.
Liang, Ying ................................ Disclosed no conflict of interest.
Liao, Wen-Ling L ......................... Disclosed no conflict of interest.
Liao, Zhenhua ................................ Disclosed no conflict of interest.
Liarno, Sally ................................ 3A: Stryker; 4: Stryker.
Liau, Zi Qiang Glen .. ...................... Disclosed no conflict of interest.
Liberman, Shari R......................... Disclosed no conflict of interest.
Lidén, Eva .................................. 3A: PAID EMPLOYEE for BONE SUPPORT AB.
Lidgren, Lars ............................... 4: Board member of Bone Support AB and Orthocell Australia; 7A: Board member of Bone Support AB, Sweden, Orthocell Australia.
Lidgren, Lars ............................... 4: Bone Support AB, Sweden; 7A: Bone Support AB, Sweden and Orthocell Australia.
Lie, Stein Atle .............................. Disclosed no conflict of interest.
Lieber, Raphael ............................ Disclosed no conflict of interest.
Lieber, Richard L .......................... Disclosed no conflict of interest.
Lieberman, Alicia .......................... Disclosed no conflict of interest.
Lieberman, Jay R .......................... 1: Royalties from DePuy; 3B: Paid consultant for DePuy; 4: Stock or stock options in Hip Innovations technology; 7B: Publishing royalties, financial or material support from Saunders/Mosby-Elsevier; 9: Board or committee
Liebi, Marianne ............................ Disclosed no conflict of interest.
Liedert, Astrid ............................. Disclosed no conflict of interest.
Lietaert, Karel ............................. 3A: 3A.
Lightner, Kandice .......................... 3A: Avanos Medical.
Lilge, Lothar ............................... Disclosed no conflict of interest.
Lilly, Ying .................................. Disclosed no conflict of interest.
Lim, Alex E ................................. Disclosed no conflict of interest.
Lim, Dohyung ............................... Disclosed no conflict of interest.
LIM, JAEYOUNG ............................ Disclosed no conflict of interest.
Lim, Jason Beng Teck ........................ Disclosed no conflict of interest.
Lim, Kyung-Eun ............................ Disclosed no conflict of interest.
Lima, Marcio D ............................ 3A: Lintec of America, INC.
Limberg, Afton K .......................... Disclosed no conflict of interest.
Limmahakhun, Sakkadech ............... Disclosed no conflict of interest.
Limpisvasti, Orr ........................... 3B: Arthrex.
Lin, Albert ................................. Disclosed no conflict of interest.
Lin, Allen H ............................... Disclosed no conflict of interest.
Lin, Anthony ............................... Disclosed no conflict of interest.
Lin, Bin ........................................ Disclosed no conflict of interest.
Lin, Boren ........................................ Disclosed no conflict of interest.
Lin, Chia-Ying .................................... Disclosed no conflict of interest.
Lin, Chih-Yi ........................................ Disclosed no conflict of interest.
Lin, Chi-Yi ........................................ Disclosed no conflict of interest.
Lin, Feng-Huei .................................... Disclosed no conflict of interest.
Lin, Hang ........................................ Disclosed no conflict of interest.
Lin, James D ...................................... Disclosed no conflict of interest.
Lin, Jie ........................................ Disclosed no conflict of interest.
Lin, Lin ........................................ Disclosed no conflict of interest.
Lin, Megan ....................................... Disclosed no conflict of interest.
Lin, Mei Yun ....................................... Disclosed no conflict of interest.
Lin, Sheldon ....................................... 4: Co-owner of CreOsso LLC.; 9: Program Chair - AOFAS.
Lin, Sheldon S. ................................... 4: CreOsso, LLC.
Lin, Subin ........................................ Disclosed no conflict of interest.
Lin, Tsung-Li ...................................... Disclosed no conflict of interest.
Lin, Tzuhua ....................................... Disclosed no conflict of interest.
Lin, Tzu-hua ...................................... Disclosed no conflict of interest.
Lin, Xi ........................................ Disclosed no conflict of interest.
Lin, Xie ........................................ Disclosed no conflict of interest.
Lin, Yen-Sheng .................................... Disclosed no conflict of interest.
Lin, Zhao ........................................ Disclosed no conflict of interest.
Lin, Zixuan ....................................... Disclosed no conflict of interest.
Lind, Daniel ....................................... Disclosed no conflict of interest.
Lindahl, Carl ...................................... Disclosed no conflict of interest.
Linde, Monica .................................... Disclosed no conflict of interest.
Linde, Monica A .................................. Disclosed no conflict of interest.
Lindon, John ..................................... Disclosed no conflict of interest.
Lindsay, Chris .................................... Disclosed no conflict of interest.
Lindsey, Derek ................................... 3A: SI-Bone; 4: SI-Bone.
Lindsey, Ronald W ................................ 9: Editorial Board of JBJS Case Connector.
Lindsey, Ronald W. ................................ 9: Co-Editor JBJS Case Connector.
Ling, Hantao ...................................... Disclosed no conflict of interest.
Link, Thomas M ................................... Disclosed no conflict of interest.
Linn, Erikka ....................................... Disclosed no conflict of interest.
Liow, Ming Han Lincoln  ............... Disclosed no conflict of interest.
Lipkin, Sloane  ......................... Disclosed no conflict of interest.
Lippross, Sebastian  ................... Disclosed no conflict of interest.
Liseth, Olivia  .......................... Disclosed no conflict of interest.
Litchy, William  ........................ Disclosed no conflict of interest.
Little, Dianne  .......................... 3B: Cytx.
Little, Dianne  ......................... 8: Connective Tissue Research; 9: ORS PreClinical Section Officer.
Little, Dianne  ......................... 8: Connective Tissue Research; 9: Orthopaedic Research Society PreClinical Section.
Little, Joe  ............................. 3B: 360 Knee Systems.
Little, Milton  ......................... Disclosed no conflict of interest.
Little, Milton TM ...................... Disclosed no conflict of interest.
Littlejohn, Sara  ...................... Disclosed no conflict of interest.
Liu, Chao  .............................. Disclosed no conflict of interest.
Liu, Chaozong  ......................... Disclosed no conflict of interest.
Liu, Chuanju  .......................... 4: 4; 5: 5.
Liu, David  ............................. 3B: Exactech Inc.
Liu, David  ............................. 4: 360 Knee Systems.
Liu, Estelle  ............................. 3A: 360 Knee Systems.
Liu, Haoyu  ............................. Disclosed no conflict of interest.
Liu, Hwa Chang  ....................... Disclosed no conflict of interest.
Liu, Jiani Sherry  ...................... Disclosed no conflict of interest.
Liu, Jie  ................................. Disclosed no conflict of interest.
Liu, Leening P  ......................... Disclosed no conflict of interest.
Liu, Mengyao  ......................... Disclosed no conflict of interest.
Liu, Nancy  ............................. Disclosed no conflict of interest.
Liu, Pengcheng  ....................... Disclosed no conflict of interest.
Liu, Qian  .............................. Disclosed no conflict of interest.
Liu, Raymond  ......................... 7A: Orthopediatrics - royalties paid directly to institution to fund research.
Liu, Ronghan  ......................... Disclosed no conflict of interest.
Liu, Shih-Ping  ......................... Disclosed no conflict of interest.
Liu, Shing H  .......................... Disclosed no conflict of interest.
Liu, Songyun  ......................... Disclosed no conflict of interest.
Liu, Weiqiang  ......................... Disclosed no conflict of interest.
Liu, Wenguang  ....................... Disclosed no conflict of interest.
Liu, X. Sherry  ......................... Disclosed no conflict of interest.
Liu, Xiangyi .................................................. 3A: Stryker.
Liu, Xiaohua .............................................. Disclosed no conflict of interest.
Liu, Xiaoming .............................................. Disclosed no conflict of interest.
Liu, Xiaowei S .............................................. Disclosed no conflict of interest.
Liu, Xing ...................................................... Disclosed no conflict of interest.
Liu, Xingwang .............................................. Disclosed no conflict of interest.
Liu, Xiuling ............................................... Disclosed no conflict of interest.
Liu, Xuan ..................................................... Disclosed no conflict of interest.
Liu, Xueping .............................................. Disclosed no conflict of interest.
Liu, Xuhui .................................................... Disclosed no conflict of interest.
Liu, Yang .................................................... Disclosed no conflict of interest.
Liu, Yuwei ................................................... Disclosed no conflict of interest.
Liu, Zhaoyang ............................................. Disclosed no conflict of interest.
Liu, Zhihong .............................................. Disclosed no conflict of interest.
Liu-Bryan, Ru ............................................ Disclosed no conflict of interest.
LLabre, Joan E ............................................ Disclosed no conflict of interest.
Lo, Aaron Y. .............................................. Disclosed no conflict of interest.
Lo, Chi-Wen ............................................... Disclosed no conflict of interest.
Lobao, Mario H ........................................... Disclosed no conflict of interest.
Lockard, Carly A ......................................... Disclosed no conflict of interest.
Lockard, Carly A ......................................... Disclosed no conflict of interest.
Locke, Ryan C ............................................. Disclosed no conflict of interest.
Lode, Anja ............................................... Disclosed no conflict of interest.
Loebel, Claudia ........................................... Disclosed no conflict of interest.
Loeffler, Taylor E ......................................... Disclosed no conflict of interest.
Loeser, Richard F ....................................... 3B: Unity Biotechnology.
Lofgren, Alicia L ......................................... Disclosed no conflict of interest.
Logan, Catherine ........................................ Disclosed no conflict of interest.
Logishetty, Kartik ....................................... Disclosed no conflict of interest.
Loidolt, Travis ............................................ Disclosed no conflict of interest.
Loiselle, Alayna .......................................... 8: Editorial Board - Scientific Reports; 9: ORS- New Investigator Mentoring Committee.
Lombard, Anita ........................................... 3A: Stryker Orthopaedics.
Londono, Valeria ......................................... Disclosed no conflict of interest.
Long, Adam ................................................ Disclosed no conflict of interest.
Long, Steven .............................................. 4: Iowa Simulation Solutions, LLC.
Longaray, Jason
3A: Stryker; 4: Stryker.

Longaray, Jason A
3A: Stryker; 4: Stryker.

Looney, Austin M
Disclosed no conflict of interest.

Loor, Jose David Suarez
Disclosed no conflict of interest.

Loots, Gabriela G
Disclosed no conflict of interest.

Lopes, Erika Barboza Prado
Disclosed no conflict of interest.

Lopez Alvares, Marina
Disclosed no conflict of interest.

Lopez Ambrosio, Katherine V
Disclosed no conflict of interest.

Lopez De Padilla, Consuelo
Disclosed no conflict of interest.

Lopez, Juan
Disclosed no conflict of interest.

Lopez, Mandi J
3C: Tesa Medical, Inc.; 8: Veterinary Surgery Journal; 9: ORS Clinical Research Committee.

Lopez, Monica R
Disclosed no conflict of interest.

Lopez-De Padilla, Consuelo
Disclosed no conflict of interest.

Lorentz, Jeremiah
Disclosed no conflict of interest.

Lorenzo, Pilar
Disclosed no conflict of interest.

Loss, Jeremy
Disclosed no conflict of interest.

Lotz, Ethan M
Disclosed no conflict of interest.

Lotz, Jeffrey
Disclosed no conflict of interest.

Lotz, Jeffrey C
Disclosed no conflict of interest.

Lotz, Martin
Disclosed no conflict of interest.

Lotz, Martin K
Disclosed no conflict of interest.

Lotze, Timothy
Disclosed no conflict of interest.

Louati, Hakim
Disclosed no conflict of interest.

Lough, Denver
3A: PolarityTE; 4: PolarityTE.

Lovecchio, Francis
Disclosed no conflict of interest.

Loverro, Kari L
Disclosed no conflict of interest.

Lovric, Goran
Disclosed no conflict of interest.

Lovric, Vedran
Disclosed no conflict of interest.

Low, Philip S
3A: Endocyte, Ontarget laboratories, and Huvis; 3C: Novosteo; 4: Endocyte; 5: Endocyte, Ontarget laboratories, and Huvis.

Low, Stewart A
3C: Novosteo; 4: Endocyte.

Lowe, Walter
3B: Arthrex, Donjoy; 5: Musculoskeletal Transplant Foundation.

Lowe, Walter R
Disclosed no conflict of interest.

Lu, Aiping
Disclosed no conflict of interest.

Lu, Chun kuan
Disclosed no conflict of interest.
Lu, Chun-Kuan............................ Disclosed no conflict of interest.
Lu, Feiqi.................................... Disclosed no conflict of interest.
Lu, Helen H............................... 8: Journal of Orthopaedic Research.
Lu, Hongbin ................................ Disclosed no conflict of interest.
Lu, Jiangong............................... Disclosed no conflict of interest.
Lu, Laura Y................................ Disclosed no conflict of interest.
Lu, Meng-Ling.............................. Disclosed no conflict of interest.
Lu, Qinghua............................... Disclosed no conflict of interest.
Lu, Theresa................................ Disclosed no conflict of interest.
Lu, Theresa T............................. Disclosed no conflict of interest.
Lu, William............................... 5: Osseointegration International Pty Ltd.
Lu, X. Lucas................................ Disclosed no conflict of interest.
Luangphakdy, Viviane..................... Disclosed no conflict of interest.
Lubowitz, Max............................. Disclosed no conflict of interest.
Lucas, Peter................................ Disclosed no conflict of interest.
Luczak, Meredith.......................... Disclosed no conflict of interest.
Luczak, Meredith G....................... Disclosed no conflict of interest.
Luczak, Stephen.......................... Disclosed no conflict of interest.
Luczak, Stephen B...................... Disclosed no conflict of interest.
Luetkemeyer, Callan M.................. Disclosed no conflict of interest.
Lufrano, Reuben.......................... Disclosed no conflict of interest.
Luhmann, Scott........................... Disclosed no conflict of interest.
Lujan, Trevor............................. Disclosed no conflict of interest.
Lukawski, Audrey........................ Disclosed no conflict of interest.
Luna, Marysol............................. Disclosed no conflict of interest.
Lundberg, Hannah....................... Disclosed no conflict of interest.
Lundberg, Hannah J.................... Disclosed no conflict of interest.
Lung, Brandon E.......................... Disclosed no conflict of interest.
Luo, Xin................................... Disclosed no conflict of interest.
Luo, Zhengliang.......................... Disclosed no conflict of interest.
Luo, Zong-Ping.......................... Disclosed no conflict of interest.
Lv, Fengjuan............................. Disclosed no conflict of interest.
Lv, Mengxi................................. Disclosed no conflict of interest.
Lv, Zhi.................................... Disclosed no conflict of interest.
Lynch, Andrew D.......................... Disclosed no conflict of interest.
Lyons, James S ....................... Disclosed no conflict of interest.
Lyons, Karen .......................... Disclosed no conflict of interest.
Lytle, Joseph B ....................... Disclosed no conflict of interest.
Ma, Andy ............................... Disclosed no conflict of interest.
Ma, Benjamin .......................... Disclosed no conflict of interest.
Ma, C. Benjamin ..................... 3B: Conmed Linvatec, Medacta, Histogenics, Stryker; 5: Zimmer.
Ma, C. Benjamin ..................... Disclosed no conflict of interest.
Ma, Chi .................................. Disclosed no conflict of interest.
Ma, Dongzhu ........................... Disclosed no conflict of interest.
Ma, Hongdao ........................... Disclosed no conflict of interest.
Ma, Irvin V ............................. Disclosed no conflict of interest.
Ma, Ji .................................... 3A: Adallo, LLC; 4: Adallo, LLC.
Ma, Kaige ............................... Disclosed no conflict of interest.
Ma, Wanyan ............................ Disclosed no conflict of interest.
Ma, Xiaoyuan ........................... Disclosed no conflict of interest.
Ma, Xinlong ............................ Disclosed no conflict of interest.
MA, XUE ................................. Disclosed no conflict of interest.
Ma, Yuan ............................... Disclosed no conflict of interest.
Ma, Yu-Heng V ........................ Disclosed no conflict of interest.
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Maal, Thomas .......................... Disclosed no conflict of interest.
Maalouf, Jacob ........................ Disclosed no conflict of interest.
Maas, Matthew ........................ Disclosed no conflict of interest.
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MacDonald, Daniel ................... 5: Ceramtec.
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MacFarlane, Gary J .................. Disclosed no conflict of interest.
Machado, Priscilla ................... Disclosed no conflict of interest.
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Mae, Tatsuo .................. Disclosed no conflict of interest.
Maeda, Eijiro .................. Disclosed no conflict of interest.
Maeda, Kenichi .................. Disclosed no conflict of interest.
Maeda, Tatsunori .................. Disclosed no conflict of interest.
Maeda, Toshihisa .................. Disclosed no conflict of interest.
Maehara, Ami .................. Disclosed no conflict of interest.
Maehara, Miki .................. Disclosed no conflict of interest.
Maerz, Tristan .................. Disclosed no conflict of interest.
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Magoline, Joe .................. Disclosed no conflict of interest.
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Makino, Hiroto ............................................ Disclosed no conflict of interest.

Makino, Takahiro ........................................ Disclosed no conflict of interest.

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Martusciello, Gerard…………………Disclosed no conflict of interest.
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Marumo, Keishi……………………Disclosed no conflict of interest.
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Mason, Caitlin ………………………Disclosed no conflict of interest.
Mason, Deborah J. ………………..Disclosed no conflict of interest.
Mason, Gabriel…………………....Disclosed no conflict of interest.
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Masuda, Shin ……………………..Disclosed no conflict of interest.
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Matsuda, Hidetoshi Disclosed no conflict of interest.
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Matsuda, Shuichi Disclosed no conflict of interest.
Matsuda, Takenori Disclosed no conflict of interest.
Matsuda, Yoko Disclosed no conflict of interest.
Matsui, Yasumoto Disclosed no conflict of interest.
Matsui, Yuichiro Disclosed no conflict of interest.
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Matsumae, Gen Disclosed no conflict of interest.
Matsumine, Akihiko Disclosed no conflict of interest.
Matsumoto, Hideo Disclosed no conflict of interest.
Matsumoto, Koji Disclosed no conflict of interest.
Matsumoto, Hideo Disclosed no conflict of interest.
Matsumoto, Mikio Disclosed no conflict of interest.
Matsumoto, Morio Disclosed no conflict of interest.
Matsumoto, Rempei Disclosed no conflict of interest.
Matsumoto, Takeo Disclosed no conflict of interest.
Matsumoto, Tomoyuki Disclosed no conflict of interest.
Matsumoto, Yoshihiro Disclosed no conflict of interest.
Matsuo, Kosuke Disclosed no conflict of interest.
Matsuo, Takumi Disclosed no conflict of interest.
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Matsushita, Ryosuke Disclosed no conflict of interest.
Matsushita, Takehiko Disclosed no conflict of interest.

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Matsuzaki, Tokio ........................................... Disclosed no conflict of interest.
Matthews, Brya G ......................................... Disclosed no conflict of interest.
Matthews, John ............................................ Disclosed no conflict of interest.
Matthias, Nadine .......................................... Disclosed no conflict of interest.
Mattikalli, Tarun .......................................... Disclosed no conflict of interest.
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Mauracher, Marita ........................................ Disclosed no conflict of interest.
Mauser, Ava ............................................... Disclosed no conflict of interest.
Mawatari, Masaaki ........................................ Disclosed no conflict of interest.
Maxim, Alexandra ........................................ Disclosed no conflict of interest.
Maxwell, John ............................................. Disclosed no conflict of interest.
Mayer, Erik N .............................................. Disclosed no conflict of interest.
Mayeux, Jacques .......................................... 3A: Avanos Medical.
Maynard, Robert D ...................................... Disclosed no conflict of interest.
Mayumi, Norihiro ........................................ Disclosed no conflict of interest.
Mayur, Jayenth ............................................ Disclosed no conflict of interest.
Mazda, Osam .............................................. Disclosed no conflict of interest.
Mazur, Courtney M ....................................... Disclosed no conflict of interest.
Mazzei, Chris ............................................. Disclosed no conflict of interest.
Mbaviele, Gabriel ........................................ 3B: Aclaris Therapeutics, Inc.; 4: Aclaris Therapeutics, Inc.
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McCarty, Colin ....................... Disclosed no conflict of interest.
McCChesney, Grant R .................. Disclosed no conflict of interest.
McCclatchy, Samuel G ................. Disclosed no conflict of interest.
McCclendon, Mark ..................... Disclosed no conflict of interest.
McCclendon, Mark T ................... Disclosed no conflict of interest.
McCloskey, Eugene ................... Disclosed no conflict of interest.
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McConnell, Anna ...................... Disclosed no conflict of interest.
McCool, Jillian L ...................... Disclosed no conflict of interest.
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McCready, Dylan ..................... Disclosed no conflict of interest.
McCullen, Seth D ..................... Disclosed no conflict of interest.
McDermott, Anna ..................... Disclosed no conflict of interest.
McDermott, J.D ....................... Disclosed no conflict of interest.
McDermott, Scott ..................... Disclosed no conflict of interest.
McFarlin, James ...................... Disclosed no conflict of interest.
McGargill, Maureen .................. Disclosed no conflict of interest.
McGarry, Michelle ................... Disclosed no conflict of interest.
McGee-Lawrence, Meghan E ........ Disclosed no conflict of interest.
McGlIlvray, Kirk ..................... Disclosed no conflict of interest.
McGough, Joshua D .................. Disclosed no conflict of interest.
McGowan, Dennis ................. 4: Osteonovus.
McGrady, Linda ...................... Disclosed no conflict of interest.
McGrath, James L .................... 3C: SimPore.
McGrath, Tom ....................... Disclosed no conflict of interest.
McGrath, Tom M ..................... Disclosed no conflict of interest.
McGuire, Jonathan E ................ Disclosed no conflict of interest.
McHenry, Benjamin D. Disclosed no conflict of interest.
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McInnes, Iain B. Disclosed no conflict of interest.
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Mercado-Pagán, Angel ........... Disclosed no conflict of interest.
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Mitsuzawa, Sadaki . Disclosed no conflict of interest.
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Miyagi, Masayuki . Disclosed no conflict of interest.
Miyagi, Nobuaki . Disclosed no conflict of interest.
Miyakawa, Hiroyasu . Disclosed no conflict of interest.
Miyake, Satoshi . Disclosed no conflict of interest.
Miyake, Yasunobu . Disclosed no conflict of interest.
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Miyamoto, Hiroe . Disclosed no conflict of interest.
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Miyamoto, Hiroshi . Disclosed no conflict of interest.
Miyamoto, Takeshi Disclosed no conflict of interest.
Miyamura, Gaku Disclosed no conflict of interest.
Miyatake, Kazumasa Disclosed no conflict of interest.
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Mizuno, Shuichi Disclosed no conflict of interest.
Mlawer, Samuel Disclosed no conflict of interest.
Mlynarek, Ryan Disclosed no conflict of interest.
mochida, yuichi Disclosed no conflict of interest.
Mochizuki, Tomoharu Disclosed no conflict of interest.
Mochizuki, Tomoyuki Disclosed no conflict of interest.
Mochizuki, Yusuke Disclosed no conflict of interest.
Mödinger, Yvonne Disclosed no conflict of interest.
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Mohajer, Nicole 3A: Exactech Inc.
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Mohanraj, Bhavana 3A: Biorez, Inc.; 4: Biorez, Inc.
Mohiuddin, Mahir Disclosed no conflict of interest.
Mohrman, Ashley E Disclosed no conflict of interest.
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Momma, Dausuke Disclosed no conflict of interest.
Mondal, Nandan K Disclosed no conflict of interest.
Monfiston, Carl Disclosed no conflict of interest.
Monibi, Farrah Disclosed no conflict of interest.
Monibi, Farrah A Disclosure no conflict of interest.

Mononen, Mika E Disclosure no conflict of interest.

Monsonego-Ornan, Efrat Disclosure no conflict of interest.

Monstad-Rios, Adrian T Disclosure no conflict of interest.

Mont, M.D., Michael A. 
1: IP royalties; 
3B: Paid Stryker consultant; 
8: Journal of Arthroplasty: Editorial or governing board, Journal of Knee Surgery: Editorial or governing board, Orthopedics: Editorial or governing board; 
9: AAOS Board or committee member.

Mont, Michael 
3A: Abbott, Cymedica, DJ Orthopedics, Johnson & Johnson, Mallinckrodt Pharmaceuticals, Orthosensor, Pacira, Performance Dynamics Inc., Sage, Stryker, TissueGene, Ongoing Care Solutions; 
4: Peerwell; 
5: National Institutes of Health; 
6-7: National Institutes of Health.

Mont, Michael 
3B: Abbott, Cymedica, DJ Orthopaedics, Johnson & Johnson, Mallinckrodt Pharmaceuticals, Orthosensor, Pacira, Performance Dynamics Inc., Sage, Stryker, TissueGene, Ongoing Care Solutions; 
4: Peerwell; 
5: National Institutes of Health; 
6-7: National Institutes of Health.

Mont, Michael 
1: Microport, Stryker; 
3B: Abbott, Cymedica, DJ Orthopaedics, Johnson & Johnson, Mallinckrodt Pharmaceuticals, Ongoing Care Solutions, Orthosensor, Pacira, Performance Dynamics Inc., Sage, TissueGene; 
4: Peerwell; 
5: National Institutes of Health; 
6-7: National Institutes of Health.

Montclare, Jin Disclosure no conflict of interest.

Monteiro, Danielle Disclosure no conflict of interest.

Montero, Angela Disclosure no conflict of interest.

Montero, Angela M Disclosure no conflict of interest.

Montoro, Dan Disclosure no conflict of interest.

Montoya, Amanda Disclosure no conflict of interest.

Monteureil, Julien Disclosure no conflict of interest.

Moody, Derek L Disclosure no conflict of interest.

Moon, June Young Disclosure no conflict of interest.

Moon, SangWon Disclosure no conflict of interest.

Mooney, David J 5: Novartis.

Moore, Axel C Disclosure no conflict of interest.

Moore, Douglas Disclosure no conflict of interest.

Moore, Douglas C Disclosure no conflict of interest.
Moore, Drew D.  Disclosed no conflict of interest.
Moore, Ella M.  3A: 360 Knee Systems.
Moore-Lotridge, Stephanie  Disclosed no conflict of interest.
Moore-Lotridge, Stephanie N  Disclosed no conflict of interest.
Mora, Keshia  Disclosed no conflict of interest.
Morales, Alejandro  Disclosed no conflict of interest.
Morales, Heidy  Disclosed no conflict of interest.
Moran, Alexandra  Disclosed no conflict of interest.
Moran, Daniel  1: OsteoVantage, Inc.
Moran, Ian J  Disclosed no conflict of interest.
Moran, Meghan M  Disclosed no conflict of interest.
Moran, Steve  Disclosed no conflict of interest.
Moran, Steven  Disclosed no conflict of interest.
Moran, Steven L  Disclosed no conflict of interest.
Morandi, Massimo  Disclosed no conflict of interest.
Morandi, Massimo Max  Disclosed no conflict of interest.
Moreno, Michael  Disclosed no conflict of interest.
Moreno, Michael R  Disclosed no conflict of interest.
Morgan, Elise  8: Journal of Biomechanics.
Morgan, Elise F  8: Journal of Biomechanics.
Morgan, Oliver J  Disclosed no conflict of interest.
Mori, Kanji  Disclosed no conflict of interest.
Mori, Takahiro  Disclosed no conflict of interest.
Mori, Takeo  Disclosed no conflict of interest.
Mori, Toshiharu  Disclosed no conflict of interest.
Mori, Yu  Disclosed no conflict of interest.
Moriarty, Fintan T  Disclosed no conflict of interest.
Moriarty, Meghan  Disclosed no conflict of interest.
Moriarty, T. Fintan  8: Scientific Editor eCM journal.
Morikawa, Masakazu  Disclosed no conflict of interest.
Morimoto, Koichi  Disclosed no conflict of interest.
Morin, Alyssa A  Disclosed no conflict of interest.
Morishige, Yutaro  Disclosed no conflict of interest.
Morita, Akira  Disclosed no conflict of interest.
Morita, Kosuke.......................... Disclosed no conflict of interest.
Morita, Takuya.......................... Disclosed no conflict of interest.
Morita, Wataru.......................... Disclosed no conflict of interest.
Morita, Yugo.............................. 6: Amedica Co.
Morita, Yusuke.......................... Disclosed no conflict of interest.
Morito, Tsuyoshi.......................... Disclosed no conflict of interest.
Morocho, Camila.......................... Disclosed no conflict of interest.
Morooka, Takatoshi.......................... Disclosed no conflict of interest.
Morrell, Andrea E.......................... Disclosed no conflict of interest.
Morrey, Logan M.......................... Disclosed no conflict of interest.
Morrey, Mark E.......................... 4: Tenex.
Morris, Carol.......................... Disclosed no conflict of interest.
Morris, Elizabeth.......................... Disclosed no conflict of interest.
Morris, Michael D.......................... Disclosed no conflict of interest.
Morris, Randal P.......................... Disclosed no conflict of interest.
Morris, William.......................... Disclosed no conflict of interest.
Morrison, Cyrus.......................... Disclosed no conflict of interest.
Morrison, Jefferson C.................. 3B: Exactech Inc.
Morrow, Brian.......................... Disclosed no conflict of interest.
Morscheid, Stephanie.......................... Disclosed no conflict of interest.
Morscheid, Yannik P.......................... Disclosed no conflict of interest.
Morsch, Melanie.......................... Disclosed no conflict of interest.
Morshed, Saam.......................... 3B: Synthes; 9: Orthopaedic Trauma Association.
Mort, Rebecca J.......................... Disclosed no conflict of interest.
Morton, Amy.......................... Disclosed no conflict of interest.
Morton, Amy M.......................... Disclosed no conflict of interest.
Mortreux, Marie.......................... Disclosed no conflict of interest.
Moscona-Mishy, Leon.......................... Disclosed no conflict of interest.
Moser, Courtney J.......................... Disclosed no conflict of interest.
Moser, Helen.......................... Disclosed no conflict of interest.
Mosher, Christopher Z.......................... Disclosed no conflict of interest.
Mosich, Gina.......................... Disclosed no conflict of interest.
Mosich, Gina M.......................... Disclosed no conflict of interest.
Moslemian, Alireza.......................... Disclosed no conflict of interest.
Mosley, Grace E.......................... Disclosed no conflict of interest.
Mota, Frank .............................. Disclosed no conflict of interest.
Motalab, Mohammad .................. Disclosed no conflict of interest.
Motomura, Goro ........................ Disclosed no conflict of interest.
Motorwala, Aarif ........................ Disclosed no conflict of interest.
Motta, Antonella ....................... Disclosed no conflict of interest.
Motto-Ros, Vincent ..................... Disclosed no conflict of interest.
Mouch, Julia ............................. Disclosed no conflict of interest.
Mourouros, Vasilios .................... Disclosed no conflict of interest.
Moutos, Franklin T ..................... 3A: Cytex Therapeutics; 4: Cytex Therapeutics.
Moutos, Franklin T ..................... 3A: Cytex; 4: Cytex.
Moutos, Franklin T ..................... 3A: Cytex Therapeutics.
Mowry, Katie C .......................... 3A: Organogenesis, Inc.
Moya, Adrien .............................. Disclosed no conflict of interest.
Moyle, Kelli A ............................ Disclosed no conflict of interest.
Mroz, Victoria ............................ Disclosed no conflict of interest.
Mu, Xiaodong ............................. Disclosed no conflict of interest.
Mubyana, Kuwabo ....................... Disclosed no conflict of interest.
Mueller, Karl ............................ Disclosed no conflict of interest.
Muir, Brittney C .......................... Disclosed no conflict of interest.
Mukherjee, Piali .......................... Disclosed no conflict of interest.
Mukohara, Shintaro ..................... Disclosed no conflict of interest.
Mulcahey, Mary K ...................... Disclosed no conflict of interest.
Muljadi, Patrick .......................... Disclosed no conflict of interest.
Mullen, Michael ........................ Disclosed no conflict of interest.
Mullen, Scott ............................ Disclosed no conflict of interest.
Müller, Ralph ............................ 2: Amgen; 5: Novartis, GSK; 8: Journal of Tissue Engineering and Regenerative Medicine, Journal of the Royal Society Interface, Biomechanics and Modeling in Mechanobiology, Digital Medicine; 9: International Society of Bone M
Müller, Sebastian A ..................... Disclosed no conflict of interest.
Müller-Brandt, Kathrin ............... Disclosed no conflict of interest.
Müller-Graf, Fabian .................... Disclosed no conflict of interest.
Mulpuri, Kishore ........................ Disclosed no conflict of interest.
Mulvihill, Hilda ........................ 3A: Stryker Orthopaedics.
Mumme, Marcus ......................... Disclosed no conflict of interest.
Mun, Sehwan .......................... Disclosed no conflict of interest.
Mundra, Jyoti Joshi .................... Disclosed no conflict of interest.
Muneta, Takeshi ........................ Disclosed no conflict of interest.
Muñoz, Maximilian .................... Disclosed no conflict of interest.
Mura, Naruyuki .......................... Disclosed no conflict of interest.
Murab, Sumit ........................... Disclosed no conflict of interest.
Murakami, Hideki ...................... Disclosed no conflict of interest.
Murakami, Masaaki ........................ Disclosed no conflict of interest.
Murakami, Takayuki ..................... Disclosed no conflict of interest.
Murali, Archana .......................... Disclosed no conflict of interest.
Muralidharan, Archish .................. Disclosed no conflict of interest.
Muramatsu, Shudai ...................... Disclosed no conflict of interest.
Murasko, Marlon J ...................... Disclosed no conflict of interest.
Murata, Kenji ........................... Disclosed no conflict of interest.
Muratovic, Dzenita ...................... Disclosed no conflict of interest.
Murphy, Conor I .......................... Disclosed no conflict of interest.
Murphy, Lance A .......................... Disclosed no conflict of interest.
Murphy, William .......................... Disclosed no conflict of interest.
Murphy-Ullrich, Joanne ................ Disclosed no conflict of interest.
Murray, Dylan J ......................... Disclosed no conflict of interest.
Murray, Gordon D ....................... Disclosed no conflict of interest.
Murray, Martha M .......................... 4: MIACH Orthopaedics.
Murray, Martha M .......................... 4: MIACH Orthopaedics; 7B: Springer Publishing.
Murray, Martha M .......................... 4: MMM is equity holder in MIACH Orthopaedics.; 7B: MMM and family BCF receive royalties from Springer Publishing. Family BCF receives a stipend from the American Journal of Sports Medicine.
Murray, Sandra J ......................... Disclosed no conflict of interest.
Murrell, Brian .......................... 3A: Brian Murrell.
Murrell, George A C ...................... Disclosed no conflict of interest.
Murrmann, Miriam ...................... Disclosed no conflict of interest.
Murtaugh, Taylor S ...................... Disclosed no conflict of interest.
Murthi, Anand M ....................... 1: Globus Medical; Ignite Orthopaedics; 3B: Globus Medical; Ignite Orthopaedics; 7A: Arthrex; 7B: American Journal of Orthopedics; Current Orthopaedic Practice; Wolters Kluwer Health - Lippincott Williams & Wilkins; 8: c

Murugan, Prem A .................................. Disclosed no conflict of interest.

Murugesh, Deepa .................................. Disclosed no conflict of interest.

Murugesh, Deepa K .................................. Disclosed no conflict of interest.

Musahl, Volker .................................. 8: Knee Surgery, Sports Traumatology, Arthroscopy; 9: ISAKOS.

Muschler, George .................................. 3B: Fortus; 6: Fortus.

Muschler, George .................................. 3C: NIH, FDA; 5: Medtronics, Harvest Technologies, Fortus.

Muschler, George F .................................. 3B: FDA and NIH; 5: NIH and the Department of Defense, Fortus.

Musha, Yoshiro .................................. Disclosed no conflict of interest.

Mushtaq, Nasir .................................. Disclosed no conflict of interest.

Muskat, Ahava .................................. Disclosed no conflict of interest.

Musmacker, Bryan .................................. Disclosed no conflict of interest.

Muthukrishnan, Gowrishankar ............ Disclosed no conflict of interest.

Muto, Tomoyuki .................................. Disclosed no conflict of interest.

Mwale, Fackson .................................. 4: Trepso Therapeutics.

Myers, Casey .................................. Disclosed no conflict of interest.

Myers, Casey A .................................. Disclosed no conflict of interest.

Myrie, Nia .................................. Disclosed no conflict of interest.

Nabeshima, Akira .................................. Disclosed no conflict of interest.

Nadarajah, Arunan .................................. Disclosed no conflict of interest.

Nadeau, Elizabeth .................................. Disclosed no conflict of interest.

Nadeau, Elizabeth K .................................. Disclosed no conflict of interest.

Nadeem, Maheen .................................. Disclosed no conflict of interest.

Nadesan, Puviindran .................................. Disclosed no conflict of interest.

Nadra, Meral S .................................. Disclosed no conflict of interest.

Nagae, Masateru .................................. Disclosed no conflict of interest.

Nagahari, Hiromasa .................................. Disclosed no conflict of interest.

Nagai, Kanto .................................. Disclosed no conflict of interest.

Nagamani, Sandesh CS .................................. Disclosed no conflict of interest.

Nagamine, Ryuji .................................. Disclosed no conflict of interest.

Nagamune, Kouki .................................. Disclosed no conflict of interest.

Naganuma, Yasushi .................................. Disclosed no conflict of interest.

Nagashima, Yoshiki .................................. 3A: Thermo Fisher Scientific Inc.

Nagatomi, Jiro .................................. Disclosed no conflict of interest.
Nagaya, Yuko .......................... Disclosed no conflict of interest.
Nagelli, Christopher .................. Disclosed no conflict of interest.
Nagelli, Christopher V .................. Disclosed no conflict of interest.
Nagelli, Christophper V .............. Disclosed no conflict of interest.
Nagira, Keita .......................... Disclosed no conflict of interest.
Nagle, Tara ............................ 1: Receives royalties for simVITRO sales.
Nagle, Tara ............................ 1: simVITRO.
Nagoshi, Narihito ...................... Disclosed no conflict of interest.
Nagura, Takeo ........................... Disclosed no conflict of interest.
Nagy, Janice ........................... Disclosed no conflict of interest.
Naiki, Mitsuru ......................... 3A: I am a paid employee for Nippon Zoki Pharmaceutical Co., Ltd.
Naimark, Micah ........................ Disclosed no conflict of interest.
Naito, Yohei ........................... Disclosed no conflict of interest.
Najarian, Robert G ...................... 2: Arthrex, Covidien.
Nakagawa, Hiroki ...................... Disclosed no conflict of interest.
Nakagawa, Makoto ........................ Disclosed no conflict of interest.
Nakagawa, Masafumi .................. Disclosed no conflict of interest.
Nakagawa, Shuji ........................ Disclosed no conflict of interest.
Nakagawa, Yukihiro .................. Disclosed no conflict of interest.
Nakagawa, Yusuke ...................... Disclosed no conflict of interest.
Nakahara, Keiko ...................... Disclosed no conflict of interest.
Nakai, Tomoko .......................... 6: I receive financial support from NIPPON ZOKI Pharmaceutical Co., Ltd.
Nakaji, Shigeyuki ...................... Disclosed no conflict of interest.
Nakajima, Taku ........................ Disclosed no conflict of interest.
Nakama, Gilberto ...................... Disclosed no conflict of interest.
Nakamura, Eiichi ........................ Disclosed no conflict of interest.
Nakamura, Hiroaki ...................... Disclosed no conflict of interest.
Nakamura, Kaori ...................... Disclosed no conflict of interest.
Nakamura, Masaya ...................... Disclosed no conflict of interest.
Nakamura, Naoko ...................... Disclosed no conflict of interest.
Nakamura, Norimasa .................. Disclosed no conflict of interest.
Nakamura, Osamu ...................... Disclosed no conflict of interest.
Nakamura, Shinichiro .................. Disclosed no conflict of interest.
Nakamura, Takayuki .................. 3A: Johnson & Johnson; 4: Johnson & Johnson.
Nakamura, Takeomi .................. Disclosed no conflict of interest.
Nakamura, Tomoki .................. Disclosed no conflict of interest.
Nakamura, Tomomasa .............. Disclosed no conflict of interest.
Nakamura, Yoshiohiko .............. Disclosed no conflict of interest.
Nakanishi, Yoshitaka ............... Disclosed no conflict of interest.
Nakanishi, Yuta.......................... 5: Stryker Japan K.K.
Nakanishi, Yuuta ....................... Disclosed no conflict of interest.
Nakasa, Tomoyuki .................... 6: Sanyo-chemical.
Nakase, Masashi ..................... Disclosed no conflict of interest.
Nakashima, Daisuke ................. Disclosed no conflict of interest.
Nakashima, Mitsuharu .............. Disclosed no conflict of interest.
Nakashima, Yasuharu ............... Disclosed no conflict of interest.
Nakashima, Yoshio ................. Disclosed no conflict of interest.
Nakasone, Aaron ................... Disclosed no conflict of interest.
Nakata, Eiji ......................... Disclosed no conflict of interest.
Nakata, Ken .......................... Disclosed no conflict of interest.
Nakatani, Fumihiko ................. Disclosed no conflict of interest.
Nakatani, Masashi .................. Disclosed no conflict of interest.
Nakatsu, Cindy ...................... Disclosed no conflict of interest.
Nakawaki, Mitsuaki ................ Disclosed no conflict of interest.
Nakawaki, Mitsufumi ............... Disclosed no conflict of interest.
Nakayama, Gilberto ................ Disclosed no conflict of interest.
Nakayama, Koichi ................... Disclosed no conflict of interest.
Nakayama, Naoki ................... Disclosed no conflict of interest.
Nakazato, Keiu ...................... Disclosed no conflict of interest.
Nakazawa, Akihiro ................ Disclosed no conflict of interest.
Nakazawa, Takahiro ............... 3A: AnGes MG Inc.
Nakazawa, Toshiyuki ............... Disclosed no conflict of interest.
Nakazora, Shigeto .................. Disclosed no conflict of interest.
Nakonezny Ph.D, Paul ............. Disclosed no conflict of interest.
Nakonezny, Paul .................... Disclosed no conflict of interest.
Nakura, Nariaki ..................... Disclosed no conflict of interest.
Nam, Jinwoo ......................... Disclosed no conflict of interest.
Nam, Ju-Suk ......................... Disclosed no conflict of interest.
Nam, Vo ................................ Disclosed no conflict of interest.
Nam, Woo-Dong .................... Disclosed no conflict of interest.
Nambiar, Pallavi
Disclosed no conflict of interest.

Nambu, Satya
3A: Microport Orthopedics Inc.

Nambu, Satya
3A: MicroPort Orthopedics, Inc.

Namdari, Surena
1: DJ Orthopaedics, Miami Device Solutions; 3B: DJ Orthopaedics, Flexion Therapeautics, Miami Device Solutions, Synthes; 4: Force Therapeautics, MD Live, MD Valuate, Parvizi Surgical Innovations, Rubicon MD; 5: Arthrex, Integr

Namin, Shabnam
3A: VIVEX Biomedical; 4: VIVEX Biomedical.

Naoki, Ishiguro
Disclosed no conflict of interest.

NaPier, Zach
Disclosed no conflict of interest.

Napier, Zachary
Disclosed no conflict of interest.

Nappi, Alexander N
Disclosed no conflict of interest.

Naqib, Ankur
Disclosed no conflict of interest.

Naraj, Rajini
Disclosed no conflict of interest.

Narayana, Ponnada
Disclosed no conflict of interest.

Nargol, Antoni V
Disclosed no conflict of interest.

Nargol, Matthew E
Disclosed no conflict of interest.

Narita, Atsushi
Disclosed no conflict of interest.

Nasamran, Chanond
Disclosed no conflict of interest.

Nasser, Philip
Disclosed no conflict of interest.

Nasser, Phillip
Disclosed no conflict of interest.

Natarajan, Raghu N
Disclosed no conflict of interest.

Natelson, Devorah M
Disclosed no conflict of interest.

Nathan, Karthik
Disclosed no conflict of interest.

Nathanson, Anton
Disclosed no conflict of interest.

Nathanson, Anton D
Disclosed no conflict of interest.

Nathwani, Dinesh
1: Biopoly LLC; 2: Smith & Nephew; 3B: Biopoly LLC; 5: Smith & Nephew.

Nauman, Eric
4: Advanced Regenerative Tech.

Nauth, Aaron
2: Smith & Nephew, Stryker; 3B: Stryker; 5: Linvatec, Stryker, Synthes; 9: Basic Science Committee of the Orthopaedic Trauma Association.

Navacchia, Alessandro
Disclosed no conflict of interest.

Navarro-Ramirez, Rodrigo
Disclosed no conflict of interest.

Nawabi, Danyal
Disclosed no conflict of interest.

Nayak, Krishna S
Disclosed no conflict of interest.

Nayeb-Hashemi, Hamid
Disclosed no conflict of interest.

Nazarian, Ara
Disclosed no conflict of interest.

Nazarian, Ara A
Disclosed no conflict of interest.

Naziri, Qais
Disclosed no conflict of interest.
Neal, Kelsey ...................................... Disclosed no conflict of interest.
Neal, William H.................................. Disclosed no conflict of interest.
Nedu, Yutaka...................................... Disclosed no conflict of interest.
Needham, Keith .................................. Disclosed no conflict of interest.
Negrini, Kara ..................................... Disclosed no conflict of interest.
Nehmetallah, George ............................ Disclosed no conflict of interest.
Nelissen, Rob ..................................... Disclosed no conflict of interest.
Nelissen, Rob G .................................. Disclosed no conflict of interest.
Nelson, Brad ...................................... Disclosed no conflict of interest.
Nelson, Brad B ................................... Disclosed no conflict of interest.
Nelson, Bradley D................................. Disclosed no conflict of interest.
Nelson, Drew ...................................... Disclosed no conflict of interest.
Nelson, Trevor ................................... Disclosed no conflict of interest.
Nelson, Trevor J .................................. Disclosed no conflict of interest.
Nemirov, Daniel .................................. Disclosed no conflict of interest.
Nemoto, Yukina .................................. Disclosed no conflict of interest.
Neo, Masashi ..................................... Disclosed no conflict of interest.
Nerozzi, Erika ..................................... Disclosed no conflict of interest.
Nery, Steven ..................................... Disclosed no conflict of interest.
Nesti, Leon J....................................... Disclosed no conflict of interest.
Neto, Manoel F ................................... Disclosed no conflict of interest.
Neu, Corey ........................................ Disclosed no conflict of interest.
Neu, Corey P ...................................... Disclosed no conflict of interest.
Neubert, Ales ..................................... Disclosed no conflict of interest.
Neufeld, Eric ..................................... Disclosed no conflict of interest.
Neufeld, Eric V ................................... Disclosed no conflict of interest.
Neumann, Jan..................................... Disclosed no conflict of interest.
Neuwirth, Alexander L ......................... Disclosed no conflict of interest.
Nevelos, Jim E .................................... 3A: Stryker.
Nevitt, Michael .................................. Disclosed no conflict of interest.
Newberg, Joshua K ............................... Disclosed no conflict of interest.
Newberry, Jake ................................... Disclosed no conflict of interest.
Newman, Harrah R ................................ Disclosed no conflict of interest.
Newsom, Jake P .................................. Disclosed no conflict of interest.
Newton, Joseph .................................. Disclosed no conflict of interest.
Newton, Michael ................................................................Disclosed no conflict of interest.
Newton, Michael D..................................................................Disclosed no conflict of interest.
Ng, Geoffrey ............................................................................Disclosed no conflict of interest.
Ng, Pei Ying .............................................................................Disclosed no conflict of interest.
Ng, Terence ............................................................................Disclosed no conflict of interest.
Ng, Vincent .............................................................................Disclosed no conflict of interest.
Ngan, Alex ...............................................................................Disclosed no conflict of interest.
Ngo, Lucy ................................................................................Disclosed no conflict of interest.
Ngo, Ying ................................................................................Disclosed no conflict of interest.
Nguyen, Bao N .........................................................................Disclosed no conflict of interest.
Nguyen, Chantal ......................................................................Disclosed no conflict of interest.
Nguyen, Hoang Van V ...............................................................Disclosed no conflict of interest.
Nguyen, Joseph T ....................................................................Disclosed no conflict of interest.
Nguyen, Minh-Nam ...................................................................Disclosed no conflict of interest.
Nguyen, Phong K ......................................................................Disclosed no conflict of interest.
Nguyen, Vu T ............................................................................Disclosed no conflict of interest.
Ni, Shuangfei ..........................................................................Disclosed no conflict of interest.
Nia, Hadi T ..............................................................................Disclosed no conflict of interest.
Nia, Hadi T ..............................................................................Disclosed no conflict of interest.
Nian, Patrick ...........................................................................Disclosed no conflict of interest.
Nichols, Anne E.C. ..................................................................Disclosed no conflict of interest.
Nicholson, Allen ......................................................................Disclosed no conflict of interest.
Nicholson, Allen D .................................................................Disclosed no conflict of interest.
Nickmanesh, Reza ..................................................................3A: Aspect Biosystems.
Nicolaou, Daemeon ................................................................Disclosed no conflict of interest.
Nicolet-Petersen, Stephanie ......................................................Disclosed no conflict of interest.
Nicoll, Steven B ......................................................................Disclosed no conflict of interest.
Nie, Daibang ...........................................................................Disclosed no conflict of interest.
Niederhoffer, Thomas ..............................................................Disclosed no conflict of interest.
Niedernhofer, Laura .................................................................Disclosed no conflict of interest.
Nielsen, Jeffery J.................Disclosed no conflict of interest.
Nigh, Dietrich James...............Disclosed no conflict of interest.
Nii, Manabu ........................Disclosed no conflict of interest.
Niikura, Takahiro ....................Disclosed no conflict of interest.
Nikfarjam, Sadegh ...................Disclosed no conflict of interest.
Niki, Hisateru ........................Disclosed no conflict of interest.
Niki, Yasuo ...........................Disclosed no conflict of interest.
Nikkhoo, Mohammad ................Disclosed no conflict of interest.
Nikolaou, Athanasia ................Disclosed no conflict of interest.
Nims, Robert J ........................Disclosed no conflict of interest.
Ning, Shanglong .....................Disclosed no conflict of interest.
Ninomiya, James .....................Disclosed no conflict of interest.
Ninomiya, Mark J ....................Disclosed no conflict of interest.
Nishida, Atsushi .....................Disclosed no conflict of interest.
Nishida, Kotaro .......................Disclosed no conflict of interest.
Nishida, Takashi .....................Disclosed no conflict of interest.
Nishida, Yasuhiro ....................Disclosed no conflict of interest.
Nishida, Yohei .......................Disclosed no conflict of interest.
Nishimoto, Hanako ..................Disclosed no conflict of interest.
Nishimura, Akinobu ..................Disclosed no conflict of interest.
Nishimura, Haruki ...................Disclosed no conflict of interest.
Nishimura, Hideki ...................Disclosed no conflict of interest.
Nishino, Katsutoshi .................Disclosed no conflict of interest.
Nishitani, Kohei .....................Disclosed no conflict of interest.
Nishiume, Tsuyoshi ..................Disclosed no conflict of interest.
NISHIZAWA, KOHEI ..................Disclosed no conflict of interest.
Nissi, Mikko J .......................Disclosed no conflict of interest.
Nitobe, Yohshiro ....................Disclosed no conflict of interest.
Niu, Chi-Chien ......................Disclosed no conflict of interest.
Niu, Haijun ...........................Disclosed no conflict of interest.
Niu, Ruijia ...........................Disclosed no conflict of interest.
Niu, Wanting ........................Disclosed no conflict of interest.
Niu, Yingzhen .......................Disclosed no conflict of interest.
Nixon, Ryan .........................Disclosed no conflict of interest.
Nixon, Ryan A ........................Disclosed no conflict of interest.
Noah, Andrew C. Disclosed no conflict of interest.

Nobarani, Hamed Disclosed no conflict of interest.

Noble, Philip C. 1: Stryker, Zimmer; 3B: Zimmer; 4: Joint View, LLC; 5: CeramTech, DJ Orthopaedics, Microport, Smith & Nephew, Zimmer; 6: Musculoskeletal Transplant Foundation; 7A: Springer; 8: Journal of Hip Preservation S

Nobuhara, Katsuya Disclosed no conflict of interest.

Nocon, Allina A. Disclosed no conflict of interest.

Noda, Iwao Disclosed no conflict of interest.

Noguchi, Hiroshi Disclosed no conflict of interest.

Noh, Yeonjeong Disclosed no conflict of interest.

Nolan, Bonnie T. Disclosed no conflict of interest.

Nomura, Kenta Disclosed no conflict of interest.

Nomura, Satoshi Disclosed no conflict of interest.

Nowak, Lauren Disclosed no conflict of interest.

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Nozaki, Masahiro Disclosed no conflict of interest.


Nurmi, Katariina Disclosed no conflict of interest.

Nuss, Courtney Disclosed no conflict of interest.

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Nutter, Genevieve P. Disclosed no conflict of interest.

Nwachuku, Chineny O. 3B: DePuySythes.
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Okada, Eri ................................. Disclosed no conflict of interest.
Okada, Rintaro ........................... Disclosed no conflict of interest.
Okada, Takamitsu ......................... Disclosed no conflict of interest.
Okada, Tatsuya ........................... Disclosed no conflict of interest.
Okada, Yasuaki ........................... Disclosed no conflict of interest.
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Okazaki, Yoshiki .......................... Disclosed no conflict of interest.
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Okudaira, Mana .............................. Disclosed no conflict of interest.
Okumura, Jum-ichiro .......................... Disclosed no conflict of interest.
Okumura, Katsuzumi .......................... Disclosed no conflict of interest.
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Perlewitz, Madeline ................................... Disclosed no conflict of interest.
Pernik, Mark N ................................... Disclosed no conflict of interest.
Pernis, Alessandra B. ......................... Disclosed no conflict of interest.
Peters, Casey W ................................... Disclosed no conflict of interest.
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Phan, Philippe............................. Disclosed no conflict of interest.

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Ping, Peipei ………………………. Disclosed no conflict of interest.
Pinto, Manuel R ………………….. Disclosed no conflict of interest.
Piponov, Hristo ……………………. Disclosed no conflict of interest.
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Pitcairn, Samuel …………………… Disclosed no conflict of interest.
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Poletick, Eileen …………………….. Disclosed no conflict of interest.
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Pollizzi, Anthony A ………………. Disclosed no conflict of interest.
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Pons, Françoise …………………… Disclosed no conflict of interest.
Popoff, Steven N …………………… Disclosed no conflict of interest.
Popovic, Tijana …………………… Disclosed no conflict of interest.
Popp, Kristin L …………………….. Disclosed no conflict of interest.
Poredos, Pavel …………………… Disclosed no conflict of interest.
Porter, David A …………………… Disclosed no conflict of interest.
Porter, Ryan M …………………… Disclosed no conflict of interest.
Posey, Samuel L …………………… Disclosed no conflict of interest.
Possley, Daniel .............................. Disclosed no conflict of interest.

Pothiawala, Azim .............................. Disclosed no conflict of interest.

POTIER, Esther .............................. Disclosed no conflict of interest.


Potter, Hollis G ............................... 5: Hospital for Special Surgery maintains an institutional research agreement with GE Healthcare.

Potty, Ajish S.R. .............................. Disclosed no conflict of interest.

Potty, Anish G ............................... 3C: Zimmer Biomet, Arthrex, Dunamis Medical.

Poulet, Blandine .............................. Disclosed no conflict of interest.

Pouliquen, Maxime .......................... Disclosed no conflict of interest.

Pourzal, Robin ............................... 5: Zimmer.

Pourzal, Robin ............................... 5: Zimmer-Biomet.

Powell, Katherine M ........................ Disclosed no conflict of interest.

Powell, Kimberly A. ........................ Disclosed no conflict of interest.

Powell, Kimerly .............................. Disclosed no conflict of interest.


Pownder, Sarah L ............................ 3B: Ortho Regenerative Technologies Inc.

Pozo, Jose M. ................................. Disclosed no conflict of interest.

Prabhath, Anupama .......................... Disclosed no conflict of interest.

Prakash, Mithilesh .......................... Disclosed no conflict of interest.

Prasarn, Mark ................................. Disclosed no conflict of interest.

Pratt, Caitlyn C .............................. Disclosed no conflict of interest.

Prawel, David A. ............................ Disclosed no conflict of interest.

Preece, Stephen .............................. Disclosed no conflict of interest.

Presciutti, Steven M ........................ Disclosed no conflict of interest.

Press, Joel M ................................. Disclosed no conflict of interest.

Pressman, Yelena ............................ Disclosed no conflict of interest.

Price, Jamey ................................. 3A: Jamey Price.

Price, John C ................................. Disclosed no conflict of interest.

Price, Taylor ................................. Disclosed no conflict of interest.

Prickaerts, Melissa ........................ Disclosed no conflict of interest.

Priddy, Lauren B ............................. Disclosed no conflict of interest.

Prieto, Fermin ............................... Disclosed no conflict of interest.

Prince, Nicole ............................... Disclosed no conflict of interest.

Proffen, Benedikt L ........................ 4: BLP is equity holder in MIACH Orthopaedics.
Proffen, Benedikt L .................. 4: MIACH Orthopedics.

Progr, Helga .......................... Disclosed no conflict of interest.

Proud, William G .......................... Disclosed no conflict of interest.

Provencher, Matthew T ................. 1: Arthrex; 3B: Arthrex, Joint Restoration Foundation (Allosource); 7B: SLACK Incorporated, Elsevier; 8: Arthroscopy, Knee, Orthopedics; 9: AAOS, American Orthopaedic Society, American Shoulder and Elbow Surgeons, Arthro

Provencher, Matthew T ................. 1: Arthrex; 3B: Arthrex, JRF Ortho; 5: Affiliated with Steadman Philippon Research Institute which is a 501(c)(3) non-profit institution supported financially by private donations and corporate support from Smith & Nephew Endoscopy, A

Prudal, Sharada ......................... Disclosed no conflict of interest.

Pruitt, Lisa ................................ Disclosed no conflict of interest.

Pryce, Brian ............................. Disclosed no conflict of interest.

Pryce, Brian A ............................ Disclosed no conflict of interest.

Prystaz, Katja ........................... Disclosed no conflict of interest.

Pu, Shin .................................. Disclosed no conflict of interest.

Pucchio, Aoife MR ........................ Disclosed no conflict of interest.

Pufe, Thomas ............................ Disclosed no conflict of interest.

Puído, Luis ............................... Disclosed no conflict of interest.

Pulliam, Alexis .......................... Disclosed no conflict of interest.

Pundee, Chaiyapruck ..................... Disclosed no conflict of interest.

Purcell, Liam ............................ Disclosed no conflict of interest.

Purdue, Ed ................................ Disclosed no conflict of interest.

Purmessur, Devina ...................... Disclosed no conflict of interest.

Purtle, Blake ............................. Disclosed no conflict of interest.

Püschel, Klaus .......................... Disclosed no conflict of interest.

Pusic, Maja ............................... Disclosed no conflict of interest.

Putman, Melissa ........................ Disclosed no conflict of interest.

Putnam, David ........................... Disclosed no conflict of interest.

Putnam, Matthew ....................... 3A: DePuy Synthes; 4: Johnson & Johnson.

Putnam, Nicole E ....................... Disclosed no conflict of interest.

Puttlitz, Christian ..................... Disclosed no conflict of interest.

Puvivindran, Vijitha ..................... Disclosed no conflict of interest.

Puzas, J. Edward ........................ Disclosed no conflict of interest.

Pyle, April .............................. Disclosed no conflict of interest.

Qadri, Marwa M ......................... Disclosed no conflict of interest.

Qayoom, Irfan ........................... Disclosed no conflict of interest.

Qi, Jun .................................. Disclosed no conflict of interest.
Qian, Baoli  
Qian, Xiaoping  
Qin, Ling  
Qin, Yi-Xian  
Qiu, Yusheng  
Qu, Dovina  
Qu, Feini  
Qu, Haibo  
Quade, Mandy  
Queen, Robin  
Queen, Robin M  
Quenneville, Eric  
Querido, William  
Quigley, Laura  
Quillen, Michael B.  
Quinn, Austin  
Quinnan, Stephen  
Quirk, Nicholas  
Quirk, Nicholas P  
Quoss, Stephanie E  
Qureshi, Shahar  
Rabenhorst, Brien M  
Rachala, Sridhar R  
Rachala, Sridhar R.  
Radakovich, Lauren B  
Radford, Lee  
Radice, Simona  
Raftery, Rosanne M  
Ragan, Michael  
Raggio, Cathleen  
Rahaman, Mohamed N  
Rahimi, Abdolrasol  
Rahimi, Homaira  
Rahman, Muhammed Masudur  
Rai, Jyoti
Rai, Muhammad F .......................... 9: Orthopaedic Research Society (ORS).

Raina, Deepak B .......................... Disclosed no conflict of interest.

Raja, Harina ................................ Disclosed no conflict of interest.

Raja, Harina A ............................ Disclosed no conflict of interest.

Rajagopal, Jayaraj ......................... Disclosed no conflict of interest.

Rajapakse, Chamith ...................... Disclosed no conflict of interest.

Rajaravivarma, Raga ..................... 3A: Stryker; 4: Stryker.

Rajfer, Rebecca A ......................... 6: KLRM, LLC.

Raji, Babatunde ........................... 3A: RxBio.

Rajjappa, Ravikumar ..................... Disclosed no conflict of interest.

Rajpar, Ibtesam .......................... Disclosed no conflict of interest.

Rakhra, Kawan ............................ Disclosed no conflict of interest.

Rakoczy, Erik J ............................ 3A: Exactech.

Ramachandran, Janani ................. Disclosed no conflict of interest.

Ramachandran, Vivek ................... Disclosed no conflict of interest.

Ramanathan, Dinesh .................... Disclosed no conflict of interest.

Ramappa, Arun ............................ Disclosed no conflict of interest.

Rammelt, Stefan ......................... Disclosed no conflict of interest.

Ramonda, Roberta ....................... Disclosed no conflict of interest.

Ramos, Lorenzo D ....................... Disclosed no conflict of interest.

Ramos, Yolande ......................... Disclosed no conflict of interest.

Ramseier, Neal T ......................... Disclosed no conflict of interest.

Ran, Kang ................................ Disclosed no conflict of interest.

Randolph, Mark A ....................... Disclosed no conflict of interest.

Randolph, Mark A ........................ Disclosed no conflict of interest.

Rankin, Sara .............................. Disclosed no conflict of interest.

Rankin, Sara M ........................... Disclosed no conflict of interest.

Rao, Karan ............................... Disclosed no conflict of interest.

Rao, Sudhaker ............................ 7A: Radius Health (Research Grant); 8: Journal Clinical endocrinology & Metabolism (Editorial Board), Osteoporosis International (Editorial Board), Journal of Endocrinological Investigation (Editorial Board), Journal of Clinical Densitometry

Rao, Zhitao ............................... Disclosed no conflict of interest.

Rapp, Anna E ............................. Disclosed no conflict of interest.

Rasche, Volker .......................... Disclosed no conflict of interest.

Rascoe, Alex .............................. Disclosed no conflict of interest.

Rascoe, Alexander S .................... Disclosed no conflict of interest.
Rashid, Aymen .......................... Disclosed no conflict of interest.
Rasquinha, Vijay .......................... Disclosed no conflict of interest.
Rastogi, Ajay ................................ 3A: Stryker.
Rathbone, Christopher .................. Disclosed no conflict of interest.
Ratnayake, Ruwan .......................... Disclosed no conflict of interest.
Raub, Christopher B. ..................... Disclosed no conflict of interest.
Rauch, Tibor A ............................. Disclosed no conflict of interest.
Rauf, Friedrich ............................. 3A: Novartis AG.
Ravuri, Sudheer ............................ Disclosed no conflict of interest.
Rawicki, Nathaniel ........................ Disclosed no conflict of interest.
Rawle, Rachel A ............................ Disclosed no conflict of interest.
Rawlinson, Jeremy ........................ 3A: Medtronic Spine; 4: Medtronic; 9: ORS.
Raynor, James ............................... Disclosed no conflict of interest.
Raza, Muhammad .......................... Disclosed no conflict of interest.
Razavi, Peyman ............................. Disclosed no conflict of interest.
Reakasame, Supachai ........................ Disclosed no conflict of interest.
Reb, Christopher W ........................ Disclosed no conflict of interest.
Reber, Stefan O ............................. Disclosed no conflict of interest.
Reddy, Anita B .............................. Disclosed no conflict of interest.
Reddy, Sanjay ............................... Disclosed no conflict of interest.
Reddy, Sudheer ............................. Disclosed no conflict of interest.
Redmond, Robert W ....................... Disclosed no conflict of interest.
Redshaw, James T .......................... Disclosed no conflict of interest.
Reesink, Heidi .............................. Disclosed no conflict of interest.
Reesink, Heidi L ............................ Disclosed no conflict of interest.
Reetz, David ............................... Disclosed no conflict of interest.
Reeves, Russell A .......................... Disclosed no conflict of interest.
Reeves, Russell A. ........................ Disclosed no conflict of interest.
Regalado, Jasmin .......................... Disclosed no conflict of interest.
Regan, Daniel .............................. Disclosed no conflict of interest.
Regner, Alexander M ...................... Disclosed no conflict of interest.
Reicha, John D ............................. Disclosed no conflict of interest.
Reid, Daniel ............................... Disclosed no conflict of interest.
Reid, J. Spence ............................ 3B: Smith and Nephew, Depuy Synthes.
Reifman, Jaques disclosed no conflict of interest.
Reihon, Troy E disclosed no conflict of interest.
Reilly, Gwendolen C disclosed no conflict of interest.
Reina, Nicolas 3B: Aesculap/B.Braun.
Reinhard, Jan disclosed no conflict of interest.
Reisdorf, Ramona disclosed no conflict of interest.
Reisdorf, Ramona L. disclosed no conflict of interest.
Reiter, Alex disclosed no conflict of interest.
Reitman, Charles disclosed no conflict of interest.
Remero-Lopez, Monica disclosed no conflict of interest.
Ren, Jiongyu disclosed no conflict of interest.
Ren, Pengling disclosed no conflict of interest.
Ren, Ranyue disclosed no conflict of interest.
Ren, Tianyi disclosed no conflict of interest.
Ren, Weiping disclosed no conflict of interest.
Renner, Kristen disclosed no conflict of interest.
Rentenberger, Colleen disclosed no conflict of interest.
Reyes, Samuel disclosed no conflict of interest.
Reyes, Samuel G disclosed no conflict of interest.
Reyes-Fondeur, Lisbeth disclosed no conflict of interest.
Reynolds, Joseph E 3B: SpineForm; 4: SpineForm.
Rey-Rico, Ana disclosed no conflict of interest.
Rezvani, Sabah disclosed no conflict of interest.
Rezvani, Sabah N disclosed no conflict of interest.
Rezvanifar, Sayed C disclosed no conflict of interest.
Rezzadeh, Kevin disclosed no conflict of interest.
Rhodes, Cheyenne 3A: Medtronic.
Rhodes, Sylvia disclosed no conflict of interest.
Riboh, Jonathan 3B: Ceterix Consultant.
Riccio, Anthony 7B: Elsevier; 9: POSNA.
Richard, Hélène disclosed no conflict of interest.
Richards, Justin disclosed no conflict of interest.
Richards, Michael S disclosed no conflict of interest.
Richards, R. Geoff 8: Editor-in-Chief eCM journal.
Richards, Stephen M disclosed no conflict of interest.
Richardson, C. Glen ......................... 2: DePuy; 3B: Stryker; 5: Stryker, DePuy.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

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Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

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Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

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Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richardson, Virginia ........................ 3A: Virginia Richardson.

Richardson, Spencer .......................... Disclosed no conflict of interest.

Richardson, Stephen M ........................ Disclosed no conflict of interest.

Richardson, Virginia ........................ 3A: Medtronic Spine.

Richter, Sandra .............................. 5: BD Diagnostics, bioMerieux, Roche; 8: J Clin Microbiol/ASM; 9: American Society for Microbiology, Clinical and Laboratory Standards Institute, College of American Pathologists, Infectious Diseases Society of America.

Riemen, Anna H K .............................. Disclosed no conflict of interest.

Ries, Michael ............................... 3B: Stryker.

Ries, Michael ............................... 1: Smith & Nephew, Stryker; 3B: Smith & Nephew, Stryker; 4: OrthAlign.

Ries, Mike ................................. 1: Smith & Nephew, Stryker; 3B: Smith & Nephew, Stryker.

Rietbergen, Bert .............................. 3B: Scanco.

Riew, K Daniel .............................. 1: Biomet, Medtronic; 2: Biomet, Medtronic, Zeiss; 3B: Biomet, Medtronic, Nuvasive; 4: Amedica, Benvenue, Expanding Orthopedics, Nexgen Spine, Osprey, Paradigm, Spinal Kinetics, Spineology, Vertiflex; 5: AOSpine; 6

Rifkin, Daniel B ............................. 3B: Schoar Rock and Blade Pharmaceuticals.

Rihn, Jeffrey A .............................. 3B: Pfizer; 5: DePuy.

Rimnac, Clare M .............................. 4: Johnson and Johnson; 7B: CORR; 8: CORR; 9: Ethics Committee, ORS.

Rinaldo Florencio-Silva, Rinaldo .......................... Disclosed no conflict of interest.

Rincón, Juliana .............................. Disclosed no conflict of interest.

Rinaldo Florencio-Silva, Rinaldo .......................... Disclosed no conflict of interest.

Ring, David ................................. 1: Skeletal Dynamics, Wright Medical; 7B: Lippincott, Up-to-date; 8: Deputy Editor for CORR, Deputy Editor for Journal of Orthopedic Trauma; 9: Chair, AAOS Patient Safety Committee.

Riofrio, Alexie D ............................. Disclosed no conflict of interest.

Ripplinger, Crystal M ........................ Disclosed no conflict of interest.

Risch, Makarand ............................. Disclosed no conflict of interest.

Risch, Makayla .............................. Disclosed no conflict of interest.

Ritchlin, Christopher ........................ Disclosed no conflict of interest.

Rivera, Kevin O ............................. Disclosed no conflict of interest.

Riveros, Daniela ............................. Disclosed no conflict of interest.

Rivlin, Michael ............................. Disclosed no conflict of interest.

Rizzone, Katherine H ........................ Disclosed no conflict of interest.

Robb, Kevin P ............................... Disclosed no conflict of interest.

Robbins, Andrew B .......................... Disclosed no conflict of interest.

Robbins, Paul ............................... Disclosed no conflict of interest.

Roberts, Jonathan .......................... Disclosed no conflict of interest.

Roberts, Kai L ............................... Disclosed no conflict of interest.

Robertson, Eileen M ........................ Disclosed no conflict of interest.
Robin, Joseph X. Disclosed no conflict of interest.

Robinette, J. Patton Disclosed no conflict of interest.

Robinette, Timothy Disclosed no conflict of interest.

Robinson, Ian 3A: PolarityTE; 4: PolarityTE.

Robinson, Jennifer Disclosed no conflict of interest.

Robinson, Samuel T Disclosed no conflict of interest.

Robinson, Todd F Disclosed no conflict of interest.

Robinson, William H Disclosed no conflict of interest.

Robling, Alexander G Disclosed no conflict of interest.

Robling, Alexander G Disclosed no conflict of interest.

Rocco, Kevin 3A: Biorez, Inc.; 4: Biorez, Inc.

Roche, Chris 3A: Chris Roche.

Roche, Chris 3A: Exactech Inc.

Roche, Chris P 3A: Exactech, Inc.; 4: Exactech, Inc.

Roche, Christopher P 3A: Exactech, Inc; 4: Exactech, Inc.

Roche, Martin W 3A: OrthoSensor, Inc.; 4: OrthoSensor, Inc.

Rodeo Jr., Scott Disclosed no conflict of interest.

Rodeo, Scott 3C: Consultant for JRF Ortho and Flexion Therapeutics, Inc.; 5: Research support from Angiocrine Bioscience, Inc.

Rodeo, Scott 3C: Ortho Renegative Technologies Inc.

Rodeo, Scott A Disclosed no conflict of interest.


Rodkey, William Disclosed no conflict of interest.

Rodman, Claire H Disclosed no conflict of interest.

Rodriguez Celin, Mercedes Disclosed no conflict of interest.

Rodriguez Fontan, Francisco Disclosed no conflict of interest.

Rodriguez Ruiz, Alejandro Disclosed no conflict of interest.

Rodriguez y Baena, Ferdinando Disclosed no conflict of interest.

Rodriguez, Ashley Disclosed no conflict of interest.

Rodriguez, Ashley B Disclosed no conflict of interest.

Rodriguez, Brittany L Disclosed no conflict of interest.

Rodriguez, Edward Disclosed no conflict of interest.

Rodriguez, Edward K Disclosed no conflict of interest.

Rodriguez, K. Edward Disclosed no conflict of interest.

Rodriguez, Omar M Disclosed no conflict of interest.
Rodriguez, Susan A .................. Disclosed no conflict of interest.
Rodriguez, Tiffany .................. Disclosed no conflict of interest.
Rodriguez-Fontan, Francisco ...... Disclosed no conflict of interest.
Rodriguez, Ramona M .............. Disclosed no conflict of interest.
Roeder, Emilie ...................... Disclosed no conflict of interest.
Roelofs, Anke J ...................... Disclosed no conflict of interest.
Roessler, Philip P ................... Disclosed no conflict of interest.
Rogan, Heather A.W ................ Disclosed no conflict of interest.
Roger, Douglas ..................... 1: Greatbach Medical; 2: Greatbach Medical; 3B: Stryker; 7A: Greatbach Medical.
Rogers, Jeffery ..................... Disclosed no conflict of interest.
Rogers, Sheila ...................... Disclosed no conflict of interest.
Rohof, Ben ......................... Disclosed no conflict of interest.
Rokito, Steven ...................... Disclosed no conflict of interest.
Rolauffs, Bernd ..................... Disclosed no conflict of interest.
Rolfson, Ola ....................... Disclosed no conflict of interest.
Roller, Brandon L .................. 3B: Bone Solutions.
Rollins, Audrey .................... Disclosed no conflict of interest.
Romanet, Cameron .................. Disclosed no conflict of interest.
Romereim, Sarah M ................. Disclosed no conflict of interest.
Romero-Lopez, Monica ............ Disclosed no conflict of interest.
Romero-López, Mónica ............ Disclosed no conflict of interest.
Rongrong, Deng .................... Disclosed no conflict of interest.
Rooney, Amanda M ................ Disclosed no conflict of interest.
Roque, Daniel ...................... Disclosed no conflict of interest.
Rose, Warren ....................... 1: Theravance Biopharma; 3B: Theravance.
Rosen, Adam ....................... Disclosed no conflict of interest.
Rosen, Vicki ....................... Disclosed no conflict of interest.
Rosenfeld, Scott B .................. Disclosed no conflict of interest.
Rosenzweig, Derek H ............... Disclosed no conflict of interest.
Ross, Alison ....................... Disclosed no conflict of interest.
Ross, Alison K ..................... Disclosed no conflict of interest.
Ross, F. Patrick .................... Disclosed no conflict of interest.
Ross, Jeremy ...................... Disclosed no conflict of interest.
Ross, Ryan .................................. Disclosed no conflict of interest.
Ross, Ryan D ................................ Disclosed no conflict of interest.
Rossi, Mario ................................ Disclosed no conflict of interest.
Rossi, Mario D ......................... Disclosed no conflict of interest.
Roth, Ira ...................................... Disclosed no conflict of interest.
Roth, Joseph I. S ....................... Disclosed no conflict of interest.
Roth, Joshua D ......................... Disclosed no conflict of interest.
Rothberg, David ......................... 3B: AO North America.
Rothberg, David L ..................... Disclosed no conflict of interest.
Rothenfluh, Dominique A .......... 6: Nuvasive, Medtronic and Depuy Synthes teaching fees.
Rothermel, Shane D ...................... Disclosed no conflict of interest.
Rothrauff, Benjamin .................. Disclosed no conflict of interest.
Rothrauff, Benjamin B .............. Disclosed no conflict of interest.
Roughley, Peter J ....................... Disclosed no conflict of interest.
Rouhi, Gholamreza .................... Disclosed no conflict of interest.
Roussas, Adam ......................... Disclosed no conflict of interest.
Roux, Jean-Paul ......................... Disclosed no conflict of interest.
Rowan, Fiachra E ...................... Disclosed no conflict of interest.
Rowland, Aileen L ..................... Disclosed no conflict of interest.
Roy, Krishnendu ....................... Disclosed no conflict of interest.
Roy, Patrice C ......................... Disclosed no conflict of interest.
Roy, Savannah ......................... Disclosed no conflict of interest.
Ruberti, Jeffrey W .................... Disclosed no conflict of interest.
Rubin, Peter ................................. Disclosed no conflict of interest.
Rubin, Todd A ......................... Disclosed no conflict of interest.
Rubio, Gerardo ......................... Disclosed no conflict of interest.
Rucinski, Kylee ......................... Disclosed no conflict of interest.
Ruder, Matthew ....................... Disclosed no conflict of interest.
Rueff, Matt .................................. 3A: Exactech Inc.
Rueff, Matthew ......................... 3A: Exactech Inc.
Ruehl, Marissa ....................... Disclosed no conflict of interest.
Ruehl, Marissa A ..................... Disclosed no conflict of interest.
Rui, Yunfeng .......................... Disclosed no conflict of interest.
Rullkøetter, Paul .......................... 5: DePuy Synthes.
Rullkøetter, Paul J .......................... 5: Stryker.
Runyan, Gem .............................. Disclosed no conflict of interest.
Ruoss, Severin .............................. Disclosed no conflict of interest.
Rush, Matthew N .......................... Disclosed no conflict of interest.
Rusinek, Henry .............................. Disclosed no conflict of interest.
Russell, Shawn .............................. Disclosed no conflict of interest.
Russo, Fabrizio .............................. Disclosed no conflict of interest.
Rustenberg, Christine ........................ Disclosed no conflict of interest.
Rutkove, Seward B .......................... Disclosed no conflict of interest.
Ryaby, James ............................... 3A: Orthofix, Inc.
Ryaby, James T .............................. 3A: Orthofix, Inc; 4: Orthofix, Inc.
Ryan, Laura ................................. Disclosed no conflict of interest.
Ryan, Melissa .............................. Disclosed no conflict of interest.
Rylander, Jonathan ........................ Disclosed no conflict of interest.
Rynne, Josiah ............................... Disclosed no conflict of interest.
Rysinska, Agata Dagny ........................ Disclosed no conflict of interest.
Ryu, Keinosuke .............................. Disclosed no conflict of interest.
S. Shourijeh, Mohammad ........................ Disclosed no conflict of interest.
Saab, Aiman S .............................. Disclosed no conflict of interest.
Saad, Maarouf A. ............................ Disclosed no conflict of interest.
Saarakkala, Simo ........................... Disclosed no conflict of interest.
Sabanai, Ken ............................... Disclosed no conflict of interest.
Sabatini, Coleen S ........................ Disclosed no conflict of interest.
Sabogal, Angie N ........................... Disclosed no conflict of interest.
Sabuhi, Wali A .............................. Disclosed no conflict of interest.
Saccone, Nancy L ........................ Disclosed no conflict of interest.
Sachs, Barton .............................. Disclosed no conflict of interest.
SADAQI, SARA ............................ Disclosed no conflict of interest.
Sadoughi, Saghi ............................ Disclosed no conflict of interest.
Safadi, Fayez ............................... Disclosed no conflict of interest.
Safadi, Fayez F .............................. Disclosed no conflict of interest.
Safir, Oleg ................................. Disclosed no conflict of interest.
Safran, Marc ............................... Disclosed no conflict of interest.
Sagaram, Manasa .......................... Disclosed no conflict of interest.
Sah, Robert L .............................. Disclosed no conflict of interest.
sahara, kagayaki .......................... Disclosed no conflict of interest.
Sahbazoglu, Berke E ....................... Disclosed no conflict of interest.
Saifzadeh, Siamak ........................ Disclosed no conflict of interest.
Saigh, Shannon ............................ Disclosed no conflict of interest.
Saini, Neal ................................. Disclosed no conflict of interest.
Sairyo, Koichi ............................. Disclosed no conflict of interest.
Saito, Guilherme H ......................... Disclosed no conflict of interest.
Saito, Izumi ................................ Disclosed no conflict of interest.
Saito, Keiju ................................ Disclosed no conflict of interest.
saito, masanori ............................ Disclosed no conflict of interest.
Saito, Masazumi ........................... Disclosed no conflict of interest.
Saito, Motoo ................................ Disclosed no conflict of interest.
Saito, Msazumi ............................. Disclosed no conflict of interest.
Saito, Tomohiro ............................ Disclosed no conflict of interest.
Saito, Tsuyoshi ............................. Disclosed no conflict of interest.
Saito, Wataru ............................... Disclosed no conflict of interest.
Saito, Yuki ................................ Disclosed no conflict of interest.
Saiz, Augustine ........................... Disclosed no conflict of interest.
Saiz, Augustine M ......................... Disclosed no conflict of interest.
Saka, Hideki ............................... Disclosed no conflict of interest.
Sakabe, Kou ................................ Disclosed no conflict of interest.
Sakai, Akinori .............................. Disclosed no conflict of interest.
Sakai, Daisuke .............................. Disclosed no conflict of interest.
Sakai, Toshinori ........................... Disclosed no conflict of interest.
Sakai, Yoshitada ........................... Disclosed no conflict of interest.
Sakai, Yusuke ............................... Disclosed no conflict of interest.
Sakakibara, Yuzuru ......................... Disclosed no conflict of interest.
Sakamoto, Takumi ......................... Disclosed no conflict of interest.
Sakata, Ryosuke ........................... Disclosed no conflict of interest.
Sakoda, Hideyuki ........................... Disclosed no conflict of interest.
Sakurai, Aiko ............................... Disclosed no conflict of interest.
Sakurai, Shigeyuki ......................... Disclosed no conflict of interest.
Salari, Pooria .............................. Disclosed no conflict of interest.
Salas, Christina Disclosed no conflict of interest.
Salata, Michael J. 3B: Smith and Nephew.
Salazar, Dane H Disclosed no conflict of interest.
Salazar, Mario G Disclosed no conflict of interest.
Saldivar, Mauricio C. Disclosed no conflict of interest.
Saleh, Kamiel S. Disclosed no conflict of interest.
Saleh, Maleck Disclosed no conflict of interest.
Salehi, Khosrowdad Disclosed no conflict of interest.
Sales de Gauzy, Jerome Disclosed no conflict of interest.
Salhedar, Karim Disclosed no conflict of interest.
Salib, Christopher G. Disclosed no conflict of interest.
Salim, Muhammad H Disclosed no conflict of interest.
Salisbury, Meagan Disclosed no conflict of interest.
Salloum, Zeina Disclosed no conflict of interest.
Salminen, Alec T. Disclosed no conflict of interest.
Salomon, Brett Disclosed no conflict of interest.
Saltzman, Matthew 1: Wright Medical, Medacta; 3B: Medacta, Becton Dickinson.
Saluan, Quinn Disclosed no conflict of interest.
Salunkhe, Shruti Disclosed no conflict of interest.
Salzmann, Stephan Disclosed no conflict of interest.
Sama, Andrew A Disclosed no conflict of interest.
Samaan, Michael A. Disclosed no conflict of interest.
Sambamurthy, Nisha Disclosed no conflict of interest.
Sambri, Vittorio 5: Fidia Farmaceutici S.p.A.
Samelko, Lauryn Disclosed no conflict of interest.
Sammon, Chris Disclosed no conflict of interest.
Sampalis, John Disclosed no conflict of interest.
Sampson, Sara Disclosed no conflict of interest.
Samuel, Katherine Disclosed no conflict of interest.
Samukawa, Mina Disclosed no conflict of interest.
San Emeterio, Cheryl L Disclosed no conflict of interest.
Sanami, Sho 3A: Dai Nippon Printing Co., Ltd.
Sancey, Lucie................. Disclosed no conflict of interest.
Sanchez Garza, Esther........ Disclosed no conflict of interest.
Sanders, Brendan SP............ Disclosed no conflict of interest.
Sanders, David.................. Disclosed no conflict of interest.
Sanders, Ingrid M............... Disclosed no conflict of interest.
Sanderson, Sherry............... Disclosed no conflict of interest.
Sandy, John D................... Disclosed no conflict of interest.
Sang, Xiaowen................... Disclosed no conflict of interest.
Sangadala, Sreedhara........... Disclosed no conflict of interest.
Sangeorzan, Bruce J............ 8: Journal of Bone and Joint Surgery.
Sangiorgio, Sophia............... 5: DePuy Synthes, Spinal Kinetics, Nuvasive, Wright Medical, Monogram, NIH.
Sangiorgio, Sophia N............ 5: Monogram orthopedics, Spinal Kinetics, Wright Medical, DePuy, NuVasive.
Sanjay, Archana................ Disclosed no conflict of interest.
Sankar, Sriram.................. 3A: DiFusion Technologies Inc; 4: DiFusion Technologies Inc.
Sankar, Uma.................... Disclosed no conflict of interest.
Sanki, Tomoaki.................. Disclosed no conflict of interest.
Sano, Kei....................... Disclosed no conflict of interest.
Sano, Tomohiko.................. Disclosed no conflict of interest.
Sant, Nicholas J................ Disclosed no conflict of interest.
Santangelo, Kelly................ Disclosed no conflict of interest.
Santangelo, Kelly S............. Disclosed no conflict of interest.
Santangelo, Salvatore........... Disclosed no conflict of interest.
SANTERRE, PAUL................ Disclosed no conflict of interest.
Santschi, Elizabeth............ Disclosed no conflict of interest.
Sanville, Jennifer.............. Disclosed no conflict of interest.
Saran, Neil..................... Disclosed no conflict of interest.
Saravanan, Matheshwaran....... Disclosed no conflict of interest.
Saris, Daniel................... Disclosed no conflict of interest.
Sarpong, Nana.................. Disclosed no conflict of interest.
Sarpong, Nana O............... Disclosed no conflict of interest.
Saruga, Tatsuro................ Disclosed no conflict of interest.
Saruta, Kenya................... Disclosed no conflict of interest.
Sasa, Keita..................... Disclosed no conflict of interest.
Sasaki, Ayako Disclosed no conflict of interest.
Sasaki, Eiji Disclosed no conflict of interest.
Sasaki, Shizuka Disclosed no conflict of interest.
sasaki, yohei Disclosed no conflict of interest.
SASAKI, YUSUKE Disclosed no conflict of interest.
Sasamoto, Takeshi Disclosed no conflict of interest.
Sasazawa, Fumio Disclosed no conflict of interest.
Sasi, Biljana Disclosed no conflict of interest.
Sass, Andrea Disclosed no conflict of interest.
Sastry, Akhilesh 3B: Medtronic, Stryker; 5: Stryker.
Satake, Hiroshi Disclosed no conflict of interest.
Sato, Dai 5: Daiichi Sankyo Co., Ltd., Tokyo, Japan.
Sato, Masato 5: CellSeed.
Sato, Nori Disclosed no conflict of interest.
Sato, Ryuichi Disclosed no conflict of interest.
Sato, Tatsuya Disclosed no conflict of interest.
Satoh, Masashi Disclosed no conflict of interest.
Saukko, Annina E. A. Disclosed no conflict of interest.
Saul, Katherine Disclosed no conflict of interest.
Savadipour, Alireza Disclosed no conflict of interest.
Savaglio, Michael Disclosed no conflict of interest.
Saviane, Gaelle Disclosed no conflict of interest.
Sawakami, Kimihiko Disclosed no conflict of interest.
Sawatari, Yoh Disclosed no conflict of interest.
Sawauchi, Kenichi Disclosed no conflict of interest.
Sawyer, W. Gregory Disclosed no conflict of interest.
Sax, Oliver C Disclosed no conflict of interest.
Sayer, Stephen P Disclosed no conflict of interest.
Sayers, Adrian Disclosed no conflict of interest.
Sayers, Stephen P Disclosed no conflict of interest.
Scanzello, Carla R 5: Shire Inc.
Schadler, Paul Disclosed no conflict of interest.
Schaefbauer, Heather Disclosed no conflict of interest.
Schaer, Thomas Disclosed no conflict of interest.
Schaer, Thomas P ....................... 5: DePuy Synthes; 9: ORS.

Schaffler, Ben C......................... Disclosed no conflict of interest.

Schaffler, Benjamin ..................... Disclosed no conflict of interest.

Schaffler, Mitchell B.................. Disclosed no conflict of interest.

Schall, Florian ......................... Disclosed no conflict of interest.

Schaper, Codi .......................... Disclosed no conflict of interest.

Schar, Micheal ........................... Disclosed no conflict of interest.

Schary, Yeshai ........................... Disclosed no conflict of interest.

Schaser, Klaus-Dieter .................. Disclosed no conflict of interest.

Scheibel, Marcus ......................... 3B: Exactech Inc.

Schemitsch, Emil ......................... Disclosed no conflict of interest.


Schenker, Hanno ......................... Disclosed no conflict of interest.

Schiavinato, Antonella ................. 3A: Fidia Farmaceutici S.p.A.

Schieker, Matthias ....................... 3A: NOvartis Pharma AG.

Schilaty, Nathan D ....................... Disclosed no conflict of interest.

Schiller, Luke ............................ Disclosed no conflict of interest.

Schilling Jr., Kevin J ................... Disclosed no conflict of interest.

Schilling, Christoph ..................... 3A: Aesculap AG.

Schimoler, Patrick J ..................... Disclosed no conflict of interest.

Schlecht, Stephen H ..................... Disclosed no conflict of interest.

Schlegel, Ted ............................ 4: Rotation Medical; 5: Avenu, kaleo, NASH, PrivIT, Rotation Medical, Arthrex, Inc.

Schlesinger, Saundra .................... Disclosed no conflict of interest.

Schleske, Hunter ......................... Disclosed no conflict of interest.

Schlief, Thomas ......................... Disclosed no conflict of interest.


Schmidig, Gregg .......................... 3A: Stryker; 4: Stryker.

Schmidt, Christopher C ................. Disclosed no conflict of interest.

Schmidt, Elaine C ......................... Disclosed no conflict of interest.

Schmidt, Linda ............................ Disclosed no conflict of interest.

Schmidt, Tannin A ....................... 1: Lubris, LLC; 3B: Lubris, LLC; 4: Lubris, LLC.

Schmidt, Walter .......................... 3A: Stryker.

Schmidt-Bleek, Katharina .............. Disclosed no conflict of interest.
Schmitt, Daniel .......................... Disclosed no conflict of interest.
Schmitt, Gertrud .......................... Disclosed no conflict of interest.
Schmitz, Dylan G .......................... Disclosed no conflict of interest.
Schmitz, Hannah A .......................... Disclosed no conflict of interest.
Schmüsdale, Lauren V .......................... 8: Frontiers; 9: AVMA Committee on Antimicrobials.
Schneider, Andrew .......................... Disclosed no conflict of interest.
Schneider, Andrew M .......................... Disclosed no conflict of interest.
Schneider, Greg .......................... Disclosed no conflict of interest.
Schneider, Jennifer M. .......................... 3A: Titan Spine, LLC; 4: Titan Spine, LLC.
Schneider, Michael .......................... Disclosed no conflict of interest.
Schneider, Nicole .......................... Disclosed no conflict of interest.
Schneider, Robert .......................... Disclosed no conflict of interest.
Schnitzer, Thomas J .......................... Disclosed no conflict of interest.
Schoenecker, Jonathan G .......................... 3C: Educational Advisory board at OrthoPediatrics; 5: Research funding from OrthoPaediatrics; 6: Research research support from IONIS Pharmaceuticals.
Schoenecker, Jonathan G. .......................... 3B: Orthopediatrics.
Schoenmakers, Jorrit .......................... Disclosed no conflict of interest.
Scholl, Laura .......................... 3A: Stryker Orthopaedic; 4: Stryker Orthopaedic.
Schon, Jason M .......................... Disclosed no conflict of interest.
Schon, Lew .......................... 5: Zimmer Biomet, Bioventus.
Schönberger, Angelina D .......................... Disclosed no conflict of interest.
Schoonraad, Sarah .......................... Disclosed no conflict of interest.
Schoonraad, Sarah A .......................... Disclosed no conflict of interest.
Schreurs, Berend W. .......................... Disclosed no conflict of interest.
Schröder, Jan .......................... Disclosed no conflict of interest.
Schroeder, Grant G. .......................... Disclosed no conflict of interest.
Schroeder, Gregory D. .......................... 5: Medtronic; 6: Medtronic, AOSpine; 8: Clinical Spine Surgery.
Schroeder, Jake .......................... Disclosed no conflict of interest.
Schroeppe, J. Paul .......................... Disclosed no conflict of interest.
Schüpbach, Regula .......................... Disclosed no conflict of interest.
Schultze, Christian .......................... Disclosed no conflict of interest.
Schwartz, Andrea .......................... Disclosed no conflict of interest.
Schwartz, Zvi .......................... 2: AB Dental; 3B: AB Dental; 5: AB Dental.
Schwarz, Edward .......................... Disclosed no conflict of interest.
Schwarz, Edward M .......................... 3C: Telephus; 4: Telephus; 5: Telephus; 8: Journal of Orthopaedic Research, Arthritis Research and Therapy; 9: ORS.
Schwarz, Edward M

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Schwarz, Ulrike

Schwarzenberg, Peter

Schweitzer, Ronen

Scibetta, Alex

Scibetta, Alex C

Scott, Adrienne K

Scott, Allison C

Scott, Anna

Scott, Brandon

Scott, Elizabeth

Scott, Jared

Scott, Kayla M

Scott, Michael

Scuderi, Giles

Scuderi, Matthew G

Sculco, Peter

Sculco, Peter K

Sculco, Thomas P

Seale, Patrick

Sebastian, Aimi

Sebastiano, Vittorio

Secchieri, Cynthia

Secerovic, Amra

Sedani, Anil

Seeherman, Howard
Seelbinder, Benjamin

Seeley, Mark

Seewald, Lindsay

Seewald, Lindsay A

Segami, Kazuyuki

Segu, Abhijith

Segu, Abhijith B

Seguin, Bernard

Sehgal, Alexandria

Seidner, Mollie R

Seiler, Gabriela S

Seim, Howard

Seim, III, Howard

Seiter, Max

Seitz, Amee

Seitz, Andreas

Seitz, Andreas M

Seitz, William

Seitz, William H

Seki, Shoji

Seki, Takahiko

Sekiguchi, Hiroyuki

Sekiguchi, Takuya

Sekiya, Ichiro

Sell, Scott A.

Selles, Ruud

Selvaggio, Elizabeth

Semino, Carlos

Semino, Carlos E

Senga, Yoshiyuki

Senju, Takahiro

Sennett, Mackenzie

Sennett, Mackenzie L

Senoo, Issei

Disclosed no conflict of interest.

3B: Orthopaediatrics.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

8: Veterinary Radiology & Ultrasound.

Disclosed no conflict of interest.

Disclosed no conflict of interest.


Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

3A: Daiichi Sankyo Co., Ltd.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

8: Project Focused on Developing Key Evaluation Technology: Evaluation for Industrialization in the Field of Regenerative Medicine from Japan Agency for Medical Research and Development (AMED).

3C: Sweetbio (start-up).

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.

Disclosed no conflict of interest.
Senter, Becca.......................... 3A: Flexion Therapeutics, Inc.; 4: Flexion Therapeutics, Inc.

Senwar, Bhava.......................... Disclosed no conflict of interest.

See, Hansol.......................... Disclosed no conflict of interest.

See, Il.......................... Disclosed no conflict of interest.

See, Keun S.......................... Disclosed no conflict of interest.

See, SeongKyung.......................... Disclosed no conflict of interest.

Seo, Tim.......................... 3A: Samumed, LLC; 4: Samumed, LLC.

Seol, Dongrim.......................... Disclosed no conflict of interest.

Sera, Yasushi.......................... Disclosed no conflict of interest.

Serem, Wilson.......................... Disclosed no conflict of interest.

Setsu, Nokitaka.......................... Disclosed no conflict of interest.

Setton, Lori A.......................... Disclosed no conflict of interest.

Severin, Anna C.......................... Disclosed no conflict of interest.

Seyed Vosoughi, Ardalan............. Disclosed no conflict of interest.

Sezgin, Erdem Aras.......................... Disclosed no conflict of interest.


Shafaghi, Romina.......................... Disclosed no conflict of interest.

Shah, Anoli.......................... Disclosed no conflict of interest.

Shah, Bhranti S.......................... Disclosed no conflict of interest.

Shah, Kalpit.......................... Disclosed no conflict of interest.

Shah, Karan M.......................... Disclosed no conflict of interest.

Shah, Neil V.......................... Disclosed no conflict of interest.

Shah, Paras.......................... Disclosed no conflict of interest.

Shah, Raj C.......................... Disclosed no conflict of interest.

Shah, Rakshit.......................... Disclosed no conflict of interest.

Shah, Ramille.......................... Disclosed no conflict of interest.

Shah, Roshan.......................... 3B: Link.

Shah, Roshan P.......................... 3B: Link Orthopaedics.

Shah, Roshan P.......................... 3B: LinkBio.

Shah, Roshan P.......................... Disclosed no conflict of interest.

Shah, Sarav S.......................... Disclosed no conflict of interest.

Shah, Vivek.......................... Disclosed no conflict of interest.

Shaheen, Rebecca.......................... 3A: DePuy Synthes Joint Reconstruction.

Shahidi, Bahar.......................... Disclosed no conflict of interest.

Shahinyan, Robert H.......................... Disclosed no conflict of interest.
Shaikh, Noor .......................... Disclosed no conflict of interest.
Shaikh, Rubina .......................... Disclosed no conflict of interest.
Shakoor, Najia .......................... Disclosed no conflict of interest.
Shalvoy, Robert .......................... Disclosed no conflict of interest.
Shalvoy, Robert M ......................... Disclosed no conflict of interest.
Shane, Elizabeth .......................... Disclosed no conflict of interest.
Shanjani, Yaser .......................... Disclosed no conflict of interest.
Shankar, Ravi .......................... Disclosed no conflict of interest.
Shanks, Robert .......................... Disclosed no conflict of interest.
Shanley, John .......................... Disclosed no conflict of interest.
Shao, Han .......................... Disclosed no conflict of interest.
Shao, Tiffany .......................... Disclosed no conflict of interest.
Shapiro, Daniel .......................... Disclosed no conflict of interest.
Shapiro, Joshua .......................... Disclosed no conflict of interest.
Sharifi Renani, Mohsen .................. Disclosed no conflict of interest.
Sharma, Abhinav .......................... Disclosed no conflict of interest.
Sharma, Abhinav K .................. Disclosed no conflict of interest.
Sharma, Adrija .......................... 5: Depuy Synthes.
Sharma, Aman .......................... Disclosed no conflict of interest.
Sharma, Ashish Ranjan .................. Disclosed no conflict of interest.
Sharma, Blanka .......................... Disclosed no conflict of interest.
Sharma, Karan .......................... Disclosed no conflict of interest.
Sharpe, Kipling P .................. 4: Pacira; 5: Stryker.
Sharpe, Orr .......................... Disclosed no conflict of interest.
Shatkin, Michael .......................... Disclosed no conflict of interest.
Shaw, Calvin .......................... Disclosed no conflict of interest.
Shaw, Calvin B .................. Disclosed no conflict of interest.
Shaw, Calvin B .................. Disclosed no conflict of interest.
Shazadeh Safavi, Kiya .................. Disclosed no conflict of interest.
Shea, Beverley .......................... Disclosed no conflict of interest.
Shea, Kevin G .......................... Disclosed no conflict of interest.
Shea, Kevin G .................. 3B: HealthTrust; 3C: Clinical Data Solutions; 5: Allosource, Vericel; 8: J. Ped. Ortho.; 9: AAOS, POSNA, PRISM, ROCK.
Shea, Raymond .......................... Disclosed no conflict of interest.
Sheean, Andrew .......................... Disclosed no conflict of interest.
Sheehan, Samuel ................... Disclosed no conflict of interest.
Sheehy, Eamon J ................... Disclosed no conflict of interest.
Shefeliwine, Sandra J .......... Disclosed no conflict of interest.
sheikh, irfan Q ................. Disclosed no conflict of interest.
Sheikh, Zeeshan .................. Disclosed no conflict of interest.
Sheiburne, Kevin B ........... 5: Stryker.
Sheilton, Trevor J ............. Disclosed no conflict of interest.
Sheilton, Trevor J ............. Disclosed no conflict of interest.
Shen, Francis H ............... Disclosed no conflict of interest.
Shen, He ......................... Disclosed no conflict of interest.
Shen, Hua ....................... Disclosed no conflict of interest.
Shen, Jie ......................... Disclosed no conflict of interest.
Shen, Leyao .................... Disclosed no conflict of interest.
Shen, Po-Chi .................... Disclosed no conflict of interest.
Shen, Pochih ................... Disclosed no conflict of interest.
Sheng, Hong .................... Disclosed no conflict of interest.
Shenoy, Kartik ................ Disclosed no conflict of interest.
Sherk, Vanessa D ............. Disclosed no conflict of interest.
Shero, John ...................... Disclosed no conflict of interest.
Sherwood, Richard J .......... Disclosed no conflict of interest.
Shetye, Snehal .................. Disclosed no conflict of interest.
Shetye, Snehal S ............... Disclosed no conflict of interest.
Sheu, Tzong-jen ............... Disclosed no conflict of interest.
Shewman, Elizabeth .......... Disclosed no conflict of interest.
Sheyn, Dmitriy ................. Disclosed no conflict of interest.
Shi, Jiayu ....................... Disclosed no conflict of interest.
Shi, Serena Z .................. Disclosed no conflict of interest.
Shi, Tong ....................... Disclosed no conflict of interest.
Shi, Ying ....................... Disclosed no conflict of interest.
Shibata, Terufumi ............. Disclosed no conflict of interest.
Shibata, Yozo .................. Disclosed no conflict of interest.
Shield, William ............... Disclosed no conflict of interest.
Shiels, Stefanie M .......... Disclosed no conflict of interest.
Shigematsu, Hideki Disclosed no conflict of interest.
Shigeno, Riho Disclosed no conflict of interest.
Shill, Andrea Disclosed no conflict of interest.
Shim, Dongsuk Disclosed no conflict of interest.
Shim, Joanna Disclosed no conflict of interest.
Shimada, Eijiro Disclosed no conflict of interest.
Shimada, Masashi Disclosed no conflict of interest.
Shimada, Noboru Disclosed no conflict of interest.
SHIMAMURA, MASASHI Disclosed no conflict of interest.
Shimamura, Yukihide Disclosed no conflict of interest.
Shimamura, Yukihide Disclosed no conflict of interest.
Shimaoka, Motomu Disclosed no conflict of interest.
Shimizu, Miki Disclosed no conflict of interest.
Shimizu, Mutsuya Disclosed no conflict of interest.
Shimizu, Takamasa Disclosed no conflict of interest.
Shimizu, Tomohiro Disclosed no conflict of interest.
Shimko, Daniel 3A: Medtronic.
Shimomura, Kazunori Disclosed no conflict of interest.
Shimomura, Seiji Disclosed no conflict of interest.
Shimoto, Takeshi Disclosed no conflict of interest.
Shimoura, Kanako Disclosed no conflict of interest.
Shimoza, Yuki 3A: Dai Nippon Printing Co., Ltd.
Shin, Alexander Y Disclosed no conflict of interest.
Shin, Choongsoo S Disclosed no conflict of interest.
Shin, Eunjung Disclosed no conflict of interest.
Shin, Heungsun Disclosed no conflict of interest.
Shin, Lih-Ying Disclosed no conflict of interest.
Shin, Seung Han Disclosed no conflict of interest.
Shin, Taejin Disclosed no conflict of interest.
Shinagawa, Kiyotsugu Disclosed no conflict of interest.
Shinde, Rohit Disclosed no conflict of interest.
Shino, Konsei Disclosed no conflict of interest.
Shinohara, Masahiro Disclosed no conflict of interest.
Shinohara, Yasushi Disclosed no conflict of interest.
Shintaku, Takanori Disclosed no conflict of interest.
SHIOTA, JUNI Disclosed no conflict of interest.
Shiozaki, Yasuyuki.................. Disclosed no conflict of interest.
Shirakawa, Yoshiko.................. Disclosed no conflict of interest.
Shirasawa, Eiki........................ Disclosed no conflict of interest.
Shivaram, Anish ...................... 3A: MicroPort Orthopedics, Inc.
Shiwaku, Yukari...................... Disclosed no conflict of interest.
Shobuikе, Takeo...................... Disclosed no conflict of interest.
Shoji, Hiroaki........................ Disclosed no conflict of interest.
shoji, Takeshi........................ Disclosed no conflict of interest.
Shono, HITOMI....................... Disclosed no conflict of interest.
Shore, Eileen M........................ Disclosed no conflict of interest.
Short, Riley L....................... Disclosed no conflict of interest.
Short, Walter H...................... Disclosed no conflict of interest.
Shourijeh, Mohammad............... Disclosed no conflict of interest.
Shourijeh, Mohammad S............. Disclosed no conflict of interest.
Shrefler, Jacob...................... Disclosed no conflict of interest.
Shrestha, Rojesh..................... Disclosed no conflict of interest.
Shrive, Nigel........................ Disclosed no conflict of interest.
Shu, Bing........................... Disclosed no conflict of interest.
Shue, Jennifer...................... Disclosed no conflict of interest.
Shum, Laura C....................... Disclosed no conflict of interest.
Shurer, Carolyn R................... Disclosed no conflict of interest.
Shybut, Theodore.................... Disclosed no conflict of interest.
Sibley, Lydia A.................... Disclosed no conflict of interest.
Sicard, Renaud...................... 3A: VIVEX Biomedical; 4: VIVEX Biomedical.
Siddicky, Safeer F................. Disclosed no conflict of interest.
Siebers, Hannah.................... Disclosed no conflict of interest.
Siebold, Rainer..................... Disclosed no conflict of interest.
Sieger, Jacob....................... Disclosed no conflict of interest.
Sieker, Jakob T..................... Disclosed no conflict of interest.
Sieverts, Michael.................. 3A: PolarityTE; 4: PolarityTE.
Sikerwar, Sandeep.................. Disclosed no conflict of interest.
Sikes, Katie J...................... Disclosed no conflict of interest.
Silber, Jeff S....................... 3B: Medtronic Sofamor Danek, Stryker.
Siljander, Matthew P............... Disclosed no conflict of interest.
Silva Barreto, Isabella ................. Disclosed no conflict of interest.

Silva, Matthew J............................ 5: Merck, Research Grant; 7B: Springer, royalties; 8: Editorial board, JOR, CTI, Bone, Board of Directors, ORS.

Silva, Raquel ............................... Disclosed no conflict of interest.

Silvan, Unai .................................. Disclosed no conflict of interest.

Silverman, Lara J............................ 3A: DiscGenics, Inc; 4: DiscGenics, Inc.

Sim, Sotcheadt .............................. 3A: Biomomentum Inc.

Simon, Jacqueline C .......................... Disclosed no conflict of interest.

Simon, Karissa N............................ Disclosed no conflict of interest.

Simoncini, Alberto ........................... Disclosed no conflict of interest.

Simovitch, Ryan ............................. 1: Exactech, Inc.

Simpson, A. Hamish R W................. 5: Stryker, Corin, Pfizer; 8: Bone and Joint Research; 9: BOA, BORS.

Simpson, Deborah ........................... Disclosed no conflict of interest.

Simpson, Hamish R ........................... 5: Stryker; 8: Bone & Joint Research.

Simpson, Hamish RW ...................... 5: Stryker, Corin, Pfizer; 8: Editor - Bone and Joint Research; 9: BOA, BORS.

Sims, Matthew D.............................. Disclosed no conflict of interest.

Sinagawa, Kiyotsugu ....................... Disclosed no conflict of interest.

Sinclair, Sarina ............................. Disclosed no conflict of interest.

Sinder, Benjamin ............................ Disclosed no conflict of interest.

Singh, Ankur ................................. Disclosed no conflict of interest.

Singh, Benjamin ............................. Disclosed no conflict of interest.

Singh, Mahavir .............................. Disclosed no conflict of interest.

Singh, Purva ................................. Disclosed no conflict of interest.

Singh, Vaneet ............................... 3A: MicroPort Orthopedics, Inc.

Sinha, Krishna ................................ Disclosed no conflict of interest.

Sirka, Aurimas .............................. Disclosed no conflict of interest.

Siskey, Ryan ................................. Disclosed no conflict of interest.

Siskey, Ryan L ............................... Disclosed no conflict of interest.

Skala, Melissa C ............................ Disclosed no conflict of interest.

Skedros, John G .................. Disclosed no conflict of interest.

Skelley, Nathan W .................. Disclosed no conflict of interest.

Skelley, Nathan Wm .................. Disclosed no conflict of interest.

Skelly, Jordan .............................. Disclosed no conflict of interest.

Skelton, Andrew J .................. Disclosed no conflict of interest.

Skidmore, Becky ........................... Disclosed no conflict of interest.
Sköldenberg, Olof.......................... Disclosed no conflict of interest.
Skrade, Anna E.......................... Disclosed no conflict of interest.
Skrade, Anna E.......................... Disclosed no conflict of interest.
Slattery, Michael.......................... Disclosed no conflict of interest.
Seletkovic, Mirta.......................... Disclosed no conflict of interest.
Sliepka, Joseph M.......................... Disclosed no conflict of interest.
Sloan, Stephen.......................... Disclosed no conflict of interest.
Sloan, Stephen R.......................... Disclosed no conflict of interest.
Slovacek, Hannah.......................... Disclosed no conflict of interest.
Sliepka, Joseph M.......................... Disclosed no conflict of interest.
Sloan, Stephen R.......................... Disclosed no conflict of interest.
Slovacek, Hannah.......................... Disclosed no conflict of interest.
Sliepka, Joseph M.......................... Disclosed no conflict of interest.
Sloane, Stephen R.......................... Disclosed no conflict of interest.
Slovacek, Hannah.......................... Disclosed no conflict of interest.
Sliepka, Joseph M.......................... Disclosed no conflict of interest.
Sloane, Stephen R.......................... Disclosed no conflict of interest.
Slovacek, Hannah.......................... Disclosed no conflict of interest.
Smagul, Aibek.......................... Disclosed no conflict of interest.
Smalley, Ryan R.......................... Disclosed no conflict of interest.
Smiley, Hayden.......................... Disclosed no conflict of interest.
Smit, Theo.......................... Disclosed no conflict of interest.
Smith, Alison.......................... Disclosed no conflict of interest.
Smith, Austin.......................... Disclosed no conflict of interest.
Smith, Benjamin L.......................... Disclosed no conflict of interest.
Smith, Bryan.......................... Disclosed no conflict of interest.
Smith, Clair.......................... Disclosed no conflict of interest.
Smith, Dollie.......................... Disclosed no conflict of interest.
Smith, Eric L.......................... Disclosed no conflict of interest. 3B: DePuy Synthes; 5: ConforMIS Inc., DePuy Synthes.
Smith, Harvey E.......................... Disclosed no conflict of interest.
Smith, Karenna.......................... Disclosed no conflict of interest.
Smith, Lachlan J.......................... Disclosed no conflict of interest. 5: Ultragenyx Pharmaceuticals; 9: ORS Spine Section.
Smith, Langan.......................... Disclosed no conflict of interest.
Smith, Langan S.......................... Disclosed no conflict of interest.
Smith, Lester.......................... Disclosed no conflict of interest.
Smith, Madeline P.......................... Disclosed no conflict of interest.
Smith, Matthew.......................... Disclosed no conflict of interest.
Smith, Peter.......................... Disclosed no conflict of interest.
Smith, Peter A.......................... Disclosed no conflict of interest.
Smith, Quinn K.......................... Disclosed no conflict of interest.
Smith, Richard A.......................... Disclosed no conflict of interest.
Smith, Shania.......................... Disclosed no conflict of interest.
Smith, Stephanie .................. Disclosed no conflict of interest.
Smith, Thomas ..................... Disclosed no conflict of interest.
Smith, Weston E .................... Disclosed no conflict of interest.
Smith, Wyatt A.R. .................. Disclosed no conflict of interest.
Smolinski, Michael ................ Disclosed no conflict of interest.
Smolinski, Patrick ................ Disclosed no conflict of interest.
Smuin, Dallas M .................... Disclosed no conflict of interest.
Sneddon, Emily ..................... 3A: Stryker.
Sneddon, Emily ..................... 3A: stryker; 4: stryker.
Snedeker, Jess G. ................... Disclosed no conflict of interest.
Snelling, Sarah JB .................. Disclosed no conflict of interest.
Sniderman, Jhase ................... Disclosed no conflict of interest.
Snuggs, Joseph ..................... Disclosed no conflict of interest.
Snyder, Brian ....................... Disclosed no conflict of interest.
Snyder, Brian D. .................... Disclosed no conflict of interest.
Snyder-Mackler, Lynn .............. Disclosed no conflict of interest.
So, Jung Won ......................... Disclosed no conflict of interest.
Sobajima, Satoshi .................. Disclosed no conflict of interest.
Sobh, Ali H. ......................... Disclosed no conflict of interest.
Sochacki, Kyle R. ................... Disclosed no conflict of interest.
Sochol, Kristen M .................. Disclosed no conflict of interest.
Sodhi, Nipun ....................... Disclosed no conflict of interest.
Sogi, Yasuhito ...................... Disclosed no conflict of interest.
Sokhi, Upneet K ................... Disclosed no conflict of interest.
Solitro, Giovanni .................. Disclosed no conflict of interest.
Solitro, Giovanni F ................ Disclosed no conflict of interest.
Soltanmohammadi, Pendar ...... Disclosed no conflict of interest.
Somani, Sulaiman .................. 3A: Monogram Orthopedics.
SOMEYA, KEICHIRO ............... Disclosed no conflict of interest.
Sommerfeld, Sven D ............... Disclosed no conflict of interest.
Son, Juhyun .......................... Disclosed no conflict of interest.
Sonekatsu, Mayumi ................. Disclosed no conflict of interest.
Song, Bryant ....................... Disclosed no conflict of interest.
Song, Hyunggwi ................... Disclosed no conflict of interest.
Song, Jie ............................. Disclosed no conflict of interest.
Song, Juquan.............................. Disclosed no conflict of interest.
Song, Ke.............................. Disclosed no conflict of interest.
Song, Kwang Hoon ...................... Disclosed no conflict of interest.
Song, Wenhao .......................... Disclosed no conflict of interest.
Song, Yongnam ........................ Disclosed no conflict of interest.
Song, Zhe ................................ Disclosed no conflict of interest.
Soni, Pratham .......................... Disclosed no conflict of interest.
Sonn, Kevin A .......................... Disclosed no conflict of interest.
Sonnenfeld, Julian ..................... Disclosed no conflict of interest.
Sonoda, Kazuhiko ..................... Disclosed no conflict of interest.
Sonohata, Motoki ....................... Disclosed no conflict of interest.
Sonoo, Moeka .......................... Disclosed no conflict of interest.
Soo Hoo, Jennifer ..................... Disclosed no conflict of interest.
Soo, Chia ................................ Disclosed no conflict of interest.
Sopko, Nikolai .......................... 3A: PolarityTE; 4: PolarityTE.
Sorensen, Eric .......................... Disclosed no conflict of interest.
Sori, Nardos ............................ 3A: Embody; 4: Embody.
Sorrels, Jameson H ..................... Disclosed no conflict of interest.
Sory, David R ............................ Disclosed no conflict of interest.
Sosa, Bryan ............................. Disclosed no conflict of interest.
Soshi, Shigeru ........................... Disclosed no conflict of interest.
Sotiriou, Vivien ......................... Disclosed no conflict of interest.
Sotome, Shinichi ....................... Disclosed no conflict of interest.
Souza, Richard B ....................... Disclosed no conflict of interest.
Sowa, Gwendolyn ...................... Disclosed no conflict of interest.
Sowe, Bintu ............................. Disclosed no conflict of interest.
Spack, Katherine ...................... Disclosed no conflict of interest.
Spada, Julia A .......................... Disclosed no conflict of interest.
Spagnoli, Anna ......................... Disclosed no conflict of interest.
Spang, Jeffrey T ........................ Disclosed no conflict of interest.
Speacht, Toni ........................... Disclosed no conflict of interest.
Spector, Myron ......................... 6: I received OrthoPACE device and applicators from SANUWAVE health Inc.; 8: I serve as the editor-in-chief of Biomedical Materials.
Speicher-Mentges, Susanne ......... Disclosed no conflict of interest.
Spencer, Tiahna A. L. Disclosed no conflict of interest.

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Spratley, Edward M 8: Associate Editor, Foot and Ankle Orthopaedics.

Spratley, Edward Meade 5: Received research funding as Principle Investigator from Paragon 28, Inc. (Englewood, CO, USA); 8: Associate Editor for Foot and Ankle Orthopaedics (FAO).

Sprengers, André Disclosed no conflict of interest.


Spritzer, Charles Disclosed no conflict of interest.

Spritzer, Charles E. Disclosed no conflict of interest.

Spruitt, Sander Disclosed no conflict of interest.

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Srikantha, Abhilash 3A: Carl Zeiss AG.

Srinivasa, Vunya Disclosed no conflict of interest.

Srivastava, Akanksha Disclosed no conflict of interest.

Srivastava, Gagan Disclosed no conflict of interest.

Staatz, Kevin Disclosed no conflict of interest.

Stadelmann, Vincent A 3A: Employee of SCANCO Medical AG.

Stadnik, Paulina S. Disclosed no conflict of interest.

Stains, Joseph P 8: JBMR and JBMR Plus; 9: Finance Committee of ASBMR.

Stallrich, Jonathan Disclosed no conflict of interest.

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Stannard, James Disclosed no conflict of interest.


Stannard, James T Disclosed no conflict of interest.

Stark, Andreas 2: Zimmer, Link.

Stark, Cain W Disclosed no conflict of interest.

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Stauch, Chris Disclosed no conflict of interest.

Stauffer, Kendall 3A: PolarityTE; 4: PolarityTE.

Stavrakis, Alexandra Disclosed no conflict of interest.
Steck, Roland ............................... 8: editor.
Steele, Jacqueline ............................. Disclosed no conflict of interest.
Steele, Joseph A.M. ........................... Disclosed no conflict of interest.
Steens, Robert ................................ Disclosed no conflict of interest.
Stefani, Robert M. ............................ Disclosed no conflict of interest.
Stefanik, Joshua ............................... Disclosed no conflict of interest.
Stefanovic, Tina ............................... Disclosed no conflict of interest.
Stein, Spencer ................................. Disclosed no conflict of interest.
Steinberg, David .............................. Disclosed no conflict of interest.
Steinberg, David R ........................... Disclosed no conflict of interest.
Steinhaus, Michael ............................ Disclosed no conflict of interest.
Steinmann, Scott .............................. Disclosed no conflict of interest.
Stephens, Sara ................................. Disclosed no conflict of interest.
Stephenson, Yvonne ........................... Disclosed no conflict of interest.
Stephenson, Yvonne C ........................ Disclosed no conflict of interest.
Steplewski, Andrzej ........................... Disclosed no conflict of interest.
Stevens, Molly M. ............................. 1: patent.
Steward, Andrew J ............................ Disclosed no conflict of interest.
Steward, Nancy ............................... Disclosed no conflict of interest.
Stewart, Ben ................................. 3A: Ben Stewart.
Stewart, Christopher C ........................ Disclosed no conflict of interest.
Stewart, Matthew ............................. Disclosed no conflict of interest.
Stiehler, Maik ................................. Disclosed no conflict of interest.
Stock, Stuart R ............................... Disclosed no conflict of interest.
Stock, Stuart S ............................... Disclosed no conflict of interest.
Stoddart, Andrew ............................ Disclosed no conflict of interest.
Stoddart, Martin .............................. 8: eCM.
Stoddart, Martin J ........................... 8: Editorial board eCM.
Stodieck, Louis ............................... Disclosed no conflict of interest.
Stodieck, Louis S ............................ Disclosed no conflict of interest.
Stoeckl, Brendan ............................. Disclosed no conflict of interest.
Stoeckl, Brendan D ........................... Disclosed no conflict of interest.
Stoker, Aaron ............................... 1: Arthrex, Inc., Musculoskeletal Transplant Foundation.
Stoker, Aaron M ............................. 1: Arthrex, Inc, Musculoskeletal Transplant Foundation.
Stoker, Brian ............................... Disclosed no conflict of interest.
Stone, Adrianne .................. Disclosed no conflict of interest.
Stone, Kevin R .................. Disclosed no conflict of interest.
Stone, Laura S .................. Disclosed no conflict of interest.
Stoodley, Paul .................. 3B: Biocomposites Ltd. UK, Smith and Nephew; 5: Biocomposites Ltd. UK.
Stookey, Zachary ................. 3A: DePuy Synthes Joint Reconstruction.
Storaci, Hunter S ................ Disclosed no conflict of interest.
Storaci, Hunter W ............... Disclosed no conflict of interest.
Storan, Niamh .................. 3A: Stryker Orthopaedics.
Story, Melinda .................. Disclosed no conflict of interest.
Stover, Joshua D ................. Disclosed no conflict of interest.
Stowe, Devorah M ............... Disclosed no conflict of interest.
St-Pierre, Jean-Philippe ........ Disclosed no conflict of interest.
Strauss, Eric J ................. Disclosed no conflict of interest.
Street, John ..................... 5: Natural Sciences and Engineering Research Council and Medtronic Canada.
Street, John ..................... 1: CIHR.
Strickland, Ashley .............. Disclosed no conflict of interest.
Strohhofer, Carla J ............. Disclosed no conflict of interest.
Strong, Jasmin .................. Disclosed no conflict of interest.
Stroud, Nicholas ............... 3A: Exactech Inc.
stroud, Nick .................... 3A: Exactech, Inc.
Stroud, Nick J .................. 3A: Exactech, Inc.
Struglics, André ............... Disclosed no conflict of interest.
Strumpf, Alyssa ............... Disclosed no conflict of interest.
Struve, Janine ................. Disclosed no conflict of interest.
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Stulberg, Bernard N .......... 3B: Exactech, Inc., THINK Surgical, Inc.
Stulberg, Bernard N .......... 3B: Exactech, Inc., THINK Surgical, Inc.
Stumph, Herb .................. 3B: DePuy Synthes.
Stupp, Samuel .................. Disclosed no conflict of interest.
Stupp, Samuel I ................ Disclosed no conflict of interest.
Sturnick, Daniel R .............. Disclosed no conflict of interest.
Su, Changqi .................... Disclosed no conflict of interest.
Su, Edwin ...................... Disclosed no conflict of interest.
Su, Favian ..................... Disclosed no conflict of interest.
Su, Jin ......................... Disclosed no conflict of interest.
Suarez Loor, Jose Disclosed no conflict of interest.
Suarez, Paola Disclosed no conflict of interest.
Subbaraman, Harish Disclosed no conflict of interest.
Subbiah, Ramesh Disclosed no conflict of interest.
Subhash, Ajith Disclosed no conflict of interest.
Subhash, Ajith K. Disclosed no conflict of interest.
Suchiman, Eka Disclosed no conflict of interest.
Sudo, Akihiro Disclosed no conflict of interest.
Sudo, Hideki Disclosed no conflict of interest.
Sudo, Takao Disclosed no conflict of interest.
Suehara, Yoshiyuki Disclosed no conflict of interest.
Sueishi, Takuya Disclosed no conflict of interest.
Suematsu, Rie Disclosed no conflict of interest.
Sugamoto, Kazuomi Disclosed no conflict of interest.
Sugano, Nobuhiko Cited no conflict of interest.
Sugawara, Atsushi Disclosed no conflict of interest.
Sugawara, Hirobumi Disclosed no conflict of interest.
Sugawara, Ryo Disclosed no conflict of interest.
Sugaya, Hisashi Disclosed no conflict of interest.
Sugimoto, Katsumasa Disclosed no conflict of interest.
Sugimoto, Kazuki Disclosed no conflict of interest.
Sugiura, Hiroshi Disclosed no conflict of interest.
Sugiyama, Osamu Disclosed no conflict of interest.
Suguro, Toru Disclosed no conflict of interest.
Suhardi, Jeremy Disclosed no conflict of interest.
Sukenari, Tsuyoshi Disclosed no conflict of interest.
Sulka, Hema J. Disclosed no conflict of interest.
Sullivan, Kayleigh Disclosed no conflict of interest.
Sultana, Fariha Disclosed no conflict of interest.
Sumasu, Yasuki Disclosed no conflict of interest.
Sumi, Kosuke Disclosed no conflict of interest.
Sumida, Yoshikazu Disclosed no conflict of interest.
Sumitani, Masahiko Disclosed no conflict of interest.
SUMMERS, RODNEY Disclosed no conflict of interest.
Sumner, D. Rick 5: Roche Diagnostics.
Sun, Aaron ......................... Disclosed no conflict of interest.
Sun, Hao ............................... Disclosed no conflict of interest.
Sun, Hening .............................. Disclosed no conflict of interest.
Sun, Hong ............................... Disclosed no conflict of interest.
Sun, Jian ............................... Disclosed no conflict of interest.
Sun, Mei ............................... Disclosed no conflict of interest.
Sun, Renyi ............................... Disclosed no conflict of interest.
Sun, Xiaojuan .......................... Disclosed no conflict of interest.
Sun, Xuying .............................. Disclosed no conflict of interest.
Sun, Yaying ............................... Disclosed no conflict of interest.
Sun, Yi ............................... Disclosed no conflict of interest.
Sun, Yue Ran ............................ Disclosed no conflict of interest.
Sun, Zhexun ............................... Disclosed no conflict of interest.
Sunagawa, Toru ............................. Disclosed no conflict of interest.
Sundaramurthy, Aravind ..................... Disclosed no conflict of interest.
Suntaxi, Felipe ............................. Disclosed no conflict of interest.
Suomalainen, Juha-Sampo ................. Disclosed no conflict of interest.
Supak, Dylan N ........................... Disclosed no conflict of interest.
Suppaksorn, Sunikom ....................... Disclosed no conflict of interest.
Suraci, Alison ............................... Disclosed no conflict of interest.
Suraci, Allison ............................... Disclosed no conflict of interest.
Suriani Jr., Robert J ........................ Disclosed no conflict of interest.
Surowiec, Rachel K ...................... Disclosed no conflict of interest.
Suruga, Makoto ............................. Disclosed no conflict of interest.
Suryanarayan, Pichai ...................... Disclosed no conflict of interest.
Susztak, Kaitlin ............................. Disclosed no conflict of interest.
Sutton, Paul ............................... 5: Smith & Nephew.
Suyama, Kaori ............................... Disclosed no conflict of interest.
Suzuki, Akemi ............................... Disclosed no conflict of interest.
Suzuki, Hitoshi ............................... Disclosed no conflict of interest.
Suzuki, Kazuaki ............................... Disclosed no conflict of interest.
Suzuki, Kenji ............................... Disclosed no conflict of interest.
Suzuki, Kenji ............................... Disclosed no conflict of interest.
Suzuki, Ko ............................... Disclosed no conflict of interest.
Suzuki, Kou ............................... Disclosed no conflict of interest.
Suzuki, Michiaki ....................... Disclosed no conflict of interest.
Suzuki, Mochihito .................... Disclosed no conflict of interest.
Suzuki, Osamu ........................ Disclosed no conflict of interest.
Suzuki, Satoshi ....................... Disclosed no conflict of interest.
Suzuki, Sho’ji ......................... Disclosed no conflict of interest.
Suzuki, Sho’ji ......................... Disclosed no conflict of interest.
Suzuki, So .............................. Disclosed no conflict of interest.
Suzuki, Takane ........................ Disclosed no conflict of interest.
Suzuki, Tomohiro ..................... Disclosed no conflict of interest.
Suzuki, Tomoto ........................ Disclosed no conflict of interest.
Suzuki, Yasuo .......................... Disclosed no conflict of interest.
Suzuki, Yusuke ........................ Disclosed no conflict of interest.
Svensson, Jonas ....................... Disclosed no conflict of interest.
Swami, Pooja .......................... Disclosed no conflict of interest.
Swanson, Edward ..................... 3A: PolarityTE; 4: PolarityTE.
Swanson, Elizabeth .................. Disclosed no conflict of interest.
Swanson, Jacob B .................... Disclosed no conflict of interest.
Swanson, Kyle C ...................... 3B: Exactech, Inc.
Swarnkar, Gaurav ..................... Disclosed no conflict of interest.
Swart, Eric .............................. Disclosed no conflict of interest.
Sweeney, Ashley R .................. Disclosed no conflict of interest.
Sweeney, Ashley R .................. Disclosed no conflict of interest.
Swider, Pascal ....................... Disclosed no conflict of interest.
Swiergosz, Andy ..................... Disclosed no conflict of interest.
Swink, Isaac ........................... 6: DiFusion Technologies Inc.
Sykes, David .......................... Disclosed no conflict of interest.
Szabo, Robert M ...................... Disclosed no conflict of interest.
Szabo, Thomas L ..................... Disclosed no conflict of interest.
Szoka, Francis C ..................... Disclosed no conflict of interest.
Tabata, Yasuhiko ..................... Disclosed no conflict of interest.
Taboas, Juan M ....................... Disclosed no conflict of interest.
Tachibana, Katsuro ................. Disclosed no conflict of interest.
Tachibana, Yuta ...................... Disclosed no conflict of interest.
Tackett, Stewart A .................. Disclosed no conflict of interest.
Tadano, Shigeru ...................... Disclosed no conflict of interest.
Tadokoro, Kou ......................... Disclosed no conflict of interest.
Tagil, Magnus ......................... 6: Biomaterial supplied by Bone Support AB, Sweden.
Tagil, Magnus ......................... 1: Integra LifeSciences.
Tägil, Magnus ......................... Disclosed no conflict of interest.
Taguchi, Takashi ...................... Disclosed no conflict of interest.
Taha, Tarek ......................... Disclosed no conflict of interest.
Tahmassibi, Jenni ................ Disclosed no conflict of interest.
Tajima, Goro ......................... Disclosed no conflict of interest.
Tajima, Takafumi ................ Disclosed no conflict of interest.
Taka, Hikari ......................... Disclosed no conflict of interest.
Takada, Toru ......................... Disclosed no conflict of interest.
takagawa, shu ......................... Disclosed no conflict of interest.
Takagi, Kentaro ...................... Disclosed no conflict of interest.
Takagi, Michiaki ................ 2: Ono pharmacy; 8: Japanese Orthopaedics Association.
Takagi, Tetsuya ..................... Disclosed no conflict of interest.
Takahara, Shunsuke ................ Disclosed no conflict of interest.
Takahashi, Ai ......................... Disclosed no conflict of interest.
Takahashi, Daisuke ................ Disclosed no conflict of interest.
Takahashi, Daisuki ................ Disclosed no conflict of interest.
Takahashi, Masaki ................ Disclosed no conflict of interest.
Takahashi, Nobunori ........ Disclosed no conflict of interest.
Takahashi, Takumi ................ Disclosed no conflict of interest.
Takahashi, Tsuneari ........ Disclosed no conflict of interest.
Takahata, Masahiko ........ 5: Daiichi Sankyo Co., Ltd., Tokyo, Japan.
Takai, Shinro ....................... Disclosed no conflict of interest.
Takakubo, Yuya ..................... Disclosed no conflict of interest.
Takamura, Karren ................ Disclosed no conflict of interest.
Takano, Shotaro ..................... Disclosed no conflict of interest.
Takao, Masaki ....................... Disclosed no conflict of interest.
Takashima, Yoshinori ........ Disclosed no conflict of interest.
Takaso, Masashi ....................... Disclosed no conflict of interest.
Takatori, Naoki ..................... Disclosed no conflict of interest.
Takatori, Ryota ..................... Disclosed no conflict of interest.
Takaya, Shogo ....................... Disclosed no conflict of interest.
Takayama, Koji ..................... Disclosed no conflict of interest.
Takayama, Yoshihiro ............... Disclosed no conflict of interest.
Takayanagi, Kiyomi.................. Disclosed no conflict of interest.
Takazawa, Yuji ...................... Disclosed no conflict of interest.
Takabayashi, Shinichiro .......... Disclosed no conflict of interest.
Takebayashi, Tsuneo................ Disclosed no conflict of interest.
Takeda, On ........................ Disclosed no conflict of interest.
Takeda, Ryo ........................ Disclosed no conflict of interest.
Takegami, Norihiko............... Disclosed no conflict of interest.
Takemori, Toshiyuki .............. Disclosed no conflict of interest.
Takemura, Hiroshi ............... Disclosed no conflict of interest.
Takenaga, Tetsuya ................ Disclosed no conflict of interest.
Takenaka, Shota .................. Disclosed no conflict of interest.
Takeoka, Toru ..................... Disclosed no conflict of interest.
Takeoka, Yoshiki ................ Disclosed no conflict of interest.
Takeshita, Katsushi .............. Disclosed no conflict of interest.
Taketomi, Shuji .................. Disclosed no conflict of interest.
Takeuchi, Hirokazu .............. Disclosed no conflict of interest.
Takeuchi, Hisataka .............. Disclosed no conflict of interest.
Takeuchi, Kazuhiro .............. Disclosed no conflict of interest.
Takeuchi, Naohide ............... Disclosed no conflict of interest.
Takeuchi, Satoshi ............... Disclosed no conflict of interest.
Takeuchi, Tsuyoshi .............. Disclosed no conflict of interest.
taki, naoya ........................ Disclosed no conflict of interest.
Takigawa, Masaharu .............. 5: ITO cooperation, Ltd.
Takigawa, Tomoyuki .............. Disclosed no conflict of interest.
Takihiara, Shota .................. Disclosed no conflict of interest.
Talarek, Jeffrey .................. Disclosed no conflict of interest.
Talburt, Elizabeth ............... Disclosed no conflict of interest.
Talcott, Michael .................. Disclosed no conflict of interest.
Taljanovic, Mihra S ............. Disclosed no conflict of interest.
Tallman, Tyler N .................. Disclosed no conflict of interest.
Talty, Ronan ...................... Disclosed no conflict of interest.
Talwar, Camille .................. Disclosed no conflict of interest.
Tam, Betty ........................ 4: Samumed, LLC.
Tam, Joshua ...................... Disclosed no conflict of interest.
Tam, Wai-kit ................... Disclosed no conflict of interest.
Tamaddon, Maryam .................. Disclosed no conflict of interest.
Tambiah, Jeymi ........................ 3A: Samumed, LLC; 4: Samumed, LLC.
Tamburro, Margaret .................. Disclosed no conflict of interest.
Tan, Andrea R ...................... Disclosed no conflict of interest.
Tan, Guak-Kim ...................... Disclosed no conflict of interest.
Tan, Hong Han ...................... Disclosed no conflict of interest.
Tan, Li ............................... Disclosed no conflict of interest.
Tan, Lili ............................... Disclosed no conflict of interest.
Tan, Mann-Hong ............... Disclosed no conflict of interest.
Tan, Yu ............................... Disclosed no conflict of interest.
Tanaka, Hidetatsu .................. Disclosed no conflict of interest.
Tanaka, Hiroshi ...................... Disclosed no conflict of interest.
Tanaka, Mai .......................... Disclosed no conflict of interest.
Tanaka, Masaki ...................... Disclosed no conflict of interest.
Tanaka, Masato ...................... Disclosed no conflict of interest.
Tanaka, Matthew S .................. Disclosed no conflict of interest.
Tanaka, Sakae ....................... Disclosed no conflict of interest.
Tanaka, Takaaki ..................... Disclosed no conflict of interest.
Tanaka, Toshikazu ................... Disclosed no conflict of interest.
Tanaka, Yasuhito .................... Disclosed no conflict of interest.
Tanaka, Yuki ......................... Disclosed no conflict of interest.
Tang, Amy ............................. Disclosed no conflict of interest.
Tang, Chih-Hsin ..................... Disclosed no conflict of interest.
Tang, Jackie .......................... Disclosed no conflict of interest.
Tang, Peter .......................... 2: DePuy Johnson & Johnson, AxoGen, Inc; 3B: Globus Medical, Inc; 5: AxoGen, Inc; 6: AxoGen, Inc.
Tang, Qinggong ...................... Disclosed no conflict of interest.
Tang, Ruhang ....................... Disclosed no conflict of interest.
Tang, Shirley N ..................... Disclosed no conflict of interest.
Tang, Simon Y ....................... Disclosed no conflict of interest.
Tang, Xiaoyan ....................... Disclosed no conflict of interest.
Tang, Xin ............................. Disclosed no conflict of interest.
Tang, Ying .......................... Disclosed no conflict of interest.
Tang, Yuning .......................... Disclosed no conflict of interest.
Tang, Yunting .......................... Disclosed no conflict of interest.
Tani, Tetsuro .......................... Disclosed no conflict of interest.
Tanida, Takashi ........................ Disclosed no conflict of interest.
Tanifuji, Osamu ........................ Disclosed no conflict of interest.
Taniguchi, Daigo ........................ Disclosed no conflict of interest.
Taniguchi, Keigo ........................ Disclosed no conflict of interest.
Taniguchi, Tatsuya ..................... Disclosed no conflict of interest.
Taniguchi, Wataru ...................... Disclosed no conflict of interest.
Tanino, Hiromasa ...................... 5: Asahi Kasei.
Taniwaki, Takuya ...................... Disclosed no conflict of interest.
Tannoury, Chadi ........................ Disclosed no conflict of interest.
Tannoury, Tony ........................ Disclosed no conflict of interest.
Tanska, Petri ............................ Disclosed no conflict of interest.
Tao, Lihong .............................. Disclosed no conflict of interest.
Tao, Matthew ............................ Disclosed no conflict of interest.
Tarafder, Solaiman .................... Disclosed no conflict of interest.
Tarakemeh, Armin ...................... Disclosed no conflict of interest.
Tarantino, Roberto ..................... Disclosed no conflict of interest.
Tarasevicius, Sarunas ................ Disclosed no conflict of interest.
Tareen, Naureen G. ................. Disclosed no conflict of interest.
Tarn, Jessica ............................ Disclosed no conflict of interest.
Tasciotti, Ennio ....................... Disclosed no conflict of interest.
Tashjian, Robert Z .................... Disclosed no conflict of interest.
Taskoy, Evin ............................ Disclosed no conflict of interest.
Tateiwa, Daisuke ...................... Disclosed no conflict of interest.
Tätting, Love ........................... Disclosed no conflict of interest.
Tavares, Jennifer ..................... Disclosed no conflict of interest.
Tavares, Jenny .......................... Disclosed no conflict of interest.
Tawackoli, Wafa ....................... Disclosed no conflict of interest.
Taylor, Brittany L .................... Disclosed no conflict of interest.
Taylor, Carolyn E ..................... Disclosed no conflict of interest.
Taylor, Mark ........................... 5: DePuy Synthes.
Taylor, Nicholas ..................... Disclosed no conflict of interest.
Taylor, Samuel A ............................ Disclosed no conflict of interest.
Tazawa, Hiroshi ............................ Disclosed no conflict of interest.
Tazawa, Ryo ................................. Disclosed no conflict of interest.
Tchkonia, Tamar ............................ Disclosed no conflict of interest.
Teissier, Victoria .......................... 5: Medacta International SA.
Teitel, Jack ................................. Disclosed no conflict of interest.
Teixeira-Dias, Filipe ....................... Disclosed no conflict of interest.
Teklemariam, Mesfin ...................... Disclosed no conflict of interest.
Temple, Joseph D ......................... Disclosed no conflict of interest.
ten Broeke, Rene .......................... 5: Stryker, Depuy Synthes J&J.
TenHuisen, Kevor .......................... 3A: Stryker Orthopaedics.
Terabe, Kenya .............................. Disclosed no conflict of interest.
Teraguchi, Masatoshi ...................... Disclosed no conflict of interest.
Terajima, Masahiko ....................... Disclosed no conflict of interest.
Teramoto, Atsushi .......................... Disclosed no conflict of interest.
Terashima, Yoshiki ....................... Disclosed no conflict of interest.
Terashima, Yoshinori ..................... Disclosed no conflict of interest.
Terek, Richard ............................. Disclosed no conflict of interest.
Terek, Richard M ......................... 8: Clinical Orthopaedics and Related Research.
Terkawi, Alaa .............................. Disclosed no conflict of interest.
Terkawi, Alaa Muhammad ............... Disclosed no conflict of interest.
Terkawi, Mohamad A ..................... Disclosed no conflict of interest.
Terkawi, Mohamed Alaa ................. Disclosed no conflict of interest.
Terry, Trey ................................. Disclosed no conflict of interest.
Tetsunaga, Tomonori ..................... Disclosed no conflict of interest.
Tetsworth, Kevin ......................... 2: Smith and Nephew and Stryker.
Tew, Simon R .............................. Disclosed no conflict of interest.
Tezuka, Taro ............................... Disclosed no conflict of interest.
Thakar, Ocean ............................. Disclosed no conflict of interest.
Thakrar, Raj ............................... Disclosed no conflict of interest.
Thakur, Shreyasi .......................... Disclosed no conflict of interest.
Thaler, Roman ............................ Disclosed no conflict of interest.
Thaliath, MaryAnn ....................... Disclosed no conflict of interest.
Thayer, Michael D ....................... Disclosed no conflict of interest.
Theiss, Mark ............................... Disclosed no conflict of interest.
Thivendran, Kanthan          Disclosed no conflict of interest.
Thelen, Darryl G           5: THINK Surgical.
Thibeault, Félix          Disclosed no conflict of interest.
Thio, Timothy               Disclosed no conflict of interest.
Thom Oxford, Julia        Disclosed no conflict of interest.
Thoma, Louise             Disclosed no conflict of interest.
Thomas, Alexander        Disclosed no conflict of interest.
Thomas, Geb               4: Iowa Simulation Solutions, LLC.
Thomas, Hannah           Disclosed no conflict of interest.
Thomas, Kevin A          Disclosed no conflict of interest.
Thomas-Aitken, Holly    Disclosed no conflict of interest.
Thomas-Aitken, Holly D   Disclosed no conflict of interest.
Thomopoulos, Stavros    Disclosed no conflict of interest.
Thompson, John D         Disclosed no conflict of interest.
Thompson, Jonathan      3A: DePuy Synthes.
Thompson, Jonathon       3A: DePuy Synthes.
Thompson, Kamali        Disclosed no conflict of interest.
Thompson, Keith          Disclosed no conflict of interest.
Thompson, Lauren        Disclosed no conflict of interest.
Thompson, William R     Disclosed no conflict of interest.
Thomson, Andrew         Disclosed no conflict of interest.
Thoreson, Andrew R      Disclosed no conflict of interest.
Thorpe, Abbey           Disclosed no conflict of interest.
Thorpe, Chavaunne T     Disclosed no conflict of interest.
Tian, Fei               Disclosed no conflict of interest.
Tian, Guo-Wei          Disclosed no conflict of interest.
Tian, Yuan             Disclosed no conflict of interest.
Tibbo, Meagan E        Disclosed no conflict of interest.
Tilley, Michael B      Disclosed no conflict of interest.
Tilton, Maryam        Disclosed no conflict of interest.
Timko, Michael        Disclosed no conflict of interest.
Timkovich, Ariel      Disclosed no conflict of interest.
Timmerman, Irina      3A: MicroPort Orthopedics Inc.
Tobiume, Sachiko                     Disclosed no conflict of interest.
Todd, Austin W                     Disclosed no conflict of interest.
Todo, Mitsugu                      Disclosed no conflict of interest.
Tohse, Noritsugu                   Disclosed no conflict of interest.
Tohyama, Harukazu                  Disclosed no conflict of interest.
Tokuhiro, Taiki                    Disclosed no conflict of interest.
Tokunaga, Takuya                   Disclosed no conflict of interest.
Tomaru, Yohei                      Disclosed no conflict of interest.
Tomita, Tetsuya                    Disclosed no conflict of interest.
Tomizawa, Takuya                   Disclosed no conflict of interest.
Tomizuka, Yoshiaki                 Disclosed no conflict of interest.
Tomlinson, Ryan                    5: Pfizer.
Tomohiko, Sano                     Disclosed no conflict of interest.
Tomoyama, Akito                    Disclosed no conflict of interest.
Tompkins, Marc                     Disclosed no conflict of interest.
Tone, Shine                        Disclosed no conflict of interest.
Tong, Xinming                      Disclosed no conflict of interest.
Tonogai, Ichihiro                  Disclosed no conflict of interest.
Tonomura, Hitoshi                  Disclosed no conflict of interest.
Toole, Thomas Disclosed no conflict of interest.
Torabi, Maha Disclosed no conflict of interest.
Toresdahl, Brett Disclosed no conflict of interest.
Torre, Olivia M Disclosed no conflict of interest.
Toru, Asari Disclosed no conflict of interest.
Torzilli, Peter Disclosed no conflict of interest.
Toshifumi, Ozaki Disclosed no conflict of interest.
Toth, Alison P Disclosed no conflict of interest.
Toth, Alison P Disclosed no conflict of interest.
Toth, Ferenc 3B: Bridging Medical Group. LLC.
Toth, Jeffrey M 3C: Medtronic; 5: Medtronic.
Totoribe, Koji Disclosed no conflict of interest.
Touchstone, Hallie Disclosed no conflict of interest.
Tower, Robert Disclosed no conflict of interest.
Tofwighian, Shahrzad Disclosed no conflict of interest.
Towler, Mark Disclosed no conflict of interest.
Towler, Mark R Disclosed no conflict of interest.
Townsley, Sarah Disclosed no conflict of interest.
toya, masakazu Disclosed no conflict of interest.
Toyoda, Eriko Disclosed no conflict of interest.
Toyono, Shuji Disclosed no conflict of interest.
Toyoshima, Yoichi Disclosed no conflict of interest.
Töyräät, Juha Disclosed no conflict of interest.
Tracy, Kaitlyn Disclosed no conflict of interest.
Trahey, Alex 3A: Wellframe; 3B: Smith & Nephew.
Trampuz, Andrej Disclosed no conflict of interest.
Tran, Nghi Disclosed no conflict of interest.
Traut, Ulrike Disclosed no conflict of interest.
Travascio, Francesco 5: Arthrex, Inc.
Travascio, Francesco 5: receiving funds from Arthrex, Inc for research on ACL replacement.
Travers, Paul M Disclosed no conflict of interest.
Trela-Larsen, Lea Disclosed no conflict of interest.
Tricola, Michaela R Disclosed no conflict of interest.
Tringides, Christina .................. Disclosed no conflict of interest.
Trippel, Stephen .................. Disclosed no conflict of interest.
Trippel, Stephen B. ................. Disclosed no conflict of interest.
Trombetta, Ryan P .................. Disclosed no conflict of interest.
Tromp, Isabel ......................... Disclosed no conflict of interest.
Trousdale, William H ............... Disclosed no conflict of interest.
Troy, Karen L ......................... 4: Ossanex; 8: Transactions on Neural Systems and Rehabilitation Engineering; 9: ORS New Investigator Mentoring Committee, American Society of Biomechanics.
Troy, Michael ....................... Disclosed no conflict of interest.
Troyer, Kevin ......................... Disclosed no conflict of interest.
Trudel, Yannick ..................... Disclosed no conflict of interest.
Trujillo, Ruben ....................... Disclosed no conflict of interest.
Trumble, Troy N ..................... Disclosed no conflict of interest.
Truong, Nicole ...................... Disclosed no conflict of interest.
Truong, Walter ...................... Disclosed no conflict of interest.
Tsai, Chun-Hao ...................... Disclosed no conflict of interest.
Tsai, Tsung-Lin ..................... Disclosed no conflict of interest.
Tsai, Tsung-Yuan ................... Disclosed no conflict of interest.
Tsang, Shao-Ting Jerry ............. 8: Bone & Joint Research.
Tschaaffon, Miriam .................. Disclosed no conflict of interest.
Tseng, Chieh ......................... Disclosed no conflict of interest.
Tseng, Wei-Ju ......................... Disclosed no conflict of interest.
Tseng, Wo Jan ....................... Disclosed no conflict of interest.
Tseng, Wo-Jan ....................... Disclosed no conflict of interest.
Tsinman, Tonia ...................... Disclosed no conflict of interest.
Tsinman, Tonia K ................... Disclosed no conflict of interest.
Tsiridis, Eleftherios ............... Disclosed no conflict of interest.
Tsubone, Tetsu ...................... Disclosed no conflict of interest.
Tsubosaka, Masanori ............... Disclosed no conflict of interest.
Tsuchida, Kunihiro .................. Disclosed no conflict of interest.
Tsuchida, Shinji ..................... Disclosed no conflict of interest.
Tsuchiya, Kaori ..................... Disclosed no conflict of interest.
Tsuchiya, Masahiro .................. Disclosed no conflict of interest.
Tsuchiya, Saho
Disclosed no conflict of interest.
Tsuda, Eiichi
Disclosed no conflict of interest.
Tsuda, Eisuke 3A: Daiichi Sankyo Co., Ltd.
Tsuiji, Kunikazu
Disclosed no conflict of interest.
Tsuiji, Masaki
Disclosed no conflict of interest.
Tsuiji, Osahiko
Disclosed no conflict of interest.
Tsuiji, Takashi
Disclosed no conflict of interest.
Tsuiji, Masaya
Disclosed no conflict of interest.
Tsujimoto, Ryu
Disclosed no conflict of interest.
Tsujimoto, Takeru
Disclosed no conflict of interest.
Tsukazaki, Hiroyuki
Disclosed no conflict of interest.
Tsukeoka, Tadashi
Disclosed no conflict of interest.
Tsushima, Hirotoshi
Disclosed no conflict of interest.
Tsutsumi, Shinji 3A: Daiichi Sankyo Co., Ltd.
Tsuyuguchi, Yusuke
Disclosed no conflict of interest.
Ttsuda, Takayuki
Disclosed no conflict of interest.
Tuan, Rocky
Disclosed no conflict of interest.
Tuan, Rocky S
Disclosed no conflict of interest.
Tucker, Hazel
Disclosed no conflict of interest.
Tucker, Scott
Disclosed no conflict of interest.
Tucker, Scott M
Disclosed no conflict of interest.
Tuckman, David 3B: Medartis.
Tudisco, Erika
Disclosed no conflict of interest.
Tujii, Masaki
Disclosed no conflict of interest.
Tummala, Subhakar
Disclosed no conflict of interest.
Tuong, Kelvin
Disclosed no conflict of interest.
Turajane, Kathleen
Disclosed no conflict of interest.
Turajane, Kathleen T
Disclosed no conflict of interest.
Turek, Thomas J
Disclosed no conflict of interest.
Turner, Thomas
Disclosed no conflict of interest.
Turner, Travis W
Disclosed no conflict of interest.
Turunen, Mikael J
Disclosed no conflict of interest.
Tury, Anna 3A: Skeletal Cell Therapy Support.
Tuttle, John
Disclosed no conflict of interest.
Twiggs, Joshua 3A: 360 Knee Systems.
Twiggs, Joshua G.................. 3A: 360 Knee Systems.

Twist, Greyson.......................... Disclosed no conflict of interest.

Twomey-Kozak, John N.............. Disclosed no conflict of interest.

Tyagi, Neetu.......................... Disclosed no conflict of interest.

Tyagi, Suresh C.................. Disclosed no conflict of interest.

Uchida, Kentaro.................. Disclosed no conflict of interest.

Udagawa, Kazuhiko............... Disclosed no conflict of interest.

Uddin, Sardar MZ................. Disclosed no conflict of interest.

Ueda, Hiroaki................... Disclosed no conflict of interest.

Ueda, Hiroki.......................... 5: Thermo Fisher Scientific Inc.

Uehara, Kenji...................... Disclosed no conflict of interest.

Ueki, Hiroko.................. Disclosed no conflict of interest.

Uematsu, Miyuki............... Disclosed no conflict of interest.

Uemukai, Toru.................. Disclosed no conflict of interest.

Uemura, Keisuke........ Disclosed no conflict of interest.

Ueno, Masaya.................. Disclosed no conflict of interest.

Uesato, Ryoko.................. Disclosed no conflict of interest.

Ueshima, Keiichiro........ Disclosed no conflict of interest.

Ueta, Yoichi.................. Disclosed no conflict of interest.

Uetsuki, Keita................ 3A: Teijin Nakashima Medical.

Uezumi, Akiyoshi............... Disclosed no conflict of interest.

Ugawa, Ryo.......................... Disclosed no conflict of interest.

Ukeba, Daisuke.................. Disclosed no conflict of interest.

Ukishiro, Kengo............... Disclosed no conflict of interest.

Ukon, Yuichiro.................. Disclosed no conflict of interest.


Ulman, Avi................... Disclosed no conflict of interest.

Umeda, Tomohiro........... Disclosed no conflict of interest.

Unal, Mustafa.................. Disclosed no conflict of interest.

Unis, Douglas B.............. 3B: Monogram Orthopedics.

Unnikrishnan, Ginu........ Disclosed no conflict of interest.

Uno, Tomohiro.................. Disclosed no conflict of interest.

Uotani, Koji.................. Disclosed no conflict of interest.

Uppstrom, Tyler

Uppstrom, Tyler J

Uppuganti, Sasidhar

Ura, Katsuro

URAL, ANI

Urata, Yasuo

Urban, Robert M

Urban, Robert M

Urga, Adam

Urish, Kenneth

Urish, Kenneth L

Urita, Atsushi

Usheva, Emiliya

Usmani, Kudret

Utsunomiya, Hajime

Utsunomiya, Takeshi

Utturkar, Gangadhar M

Uweh, Sam

Uzcategui, A. Camila

Uzcategui, Asais Camila

Uzer, Gunes

Vaccaro, Alexander R

Vagalavelli, Rohith

Vaghela, Uddhav

Vainieri, Letizia

Vakharia, Kavita

Vakhshori, Venus

Vakiel, Paris

Valdevit, Antonio

Valiya Kambrath, Anuradha

Vallejo, Alejandro

van Arkel, Ewoud R

Van Citters, Douglas
Van Citters, Douglas ....................... 5: DePuy, ConforMIS, TJO, Orthosensor, Launchpad Medical.
Van Citters, Douglas ....................... 5: DePuy, OrthoSensor, ConforMIS, Launchpad Medical, TJO.
Van Citters, Douglas ....................... 6: DePuy Synthes, Orthosensor, ConforMIS, Launchpad Medical, TJO.
Van Citters, Douglas W ................... 5: DePuy Synthes, OrthoSensor, ConforMIS, Launchpad Medical, TJO.
Van Citters, Douglas W ................... 5: DePuy Synthes, Orthosensor; 6: ConforMIS, TJO.

van Dam, Gooitzen ....................... Disclosed no conflict of interest.
van de Groes, Sebastiaan ............... Disclosed no conflict of interest.
van de Meent, Hendrik ................... Disclosed no conflict of interest.
van de Meent, Henk ....................... Disclosed no conflict of interest.
van de Velde, Samuel K ................. Disclosed no conflict of interest.
van der Meulen, Marjolein .......... Disclosed no conflict of interest.
van der Meulen, Marjolein C.H. .... Disclosed no conflict of interest.
van der Weiden, Goran S ............... Disclosed no conflict of interest.
van der Wouden, Jan-Ton A ............ Disclosed no conflict of interest.
Van Deven, Jennifer ..................... 3A: Exactech, Inc.
Van Deven, Jennifer S .................. 3A: Exactech.
van Dijk, Lukas A ....................... 3A: Kuros Biosciences.
van Dijl, Jan Maarten .................. Disclosed no conflict of interest.
van Drongelen, Stefan ................... Disclosed no conflict of interest.
Van Eck, Carola ......................... Disclosed no conflict of interest.
van Grijnsven, Martijn ............... Disclosed no conflict of interest.
Van Handel, Ben ......................... Disclosed no conflict of interest.
van Heerwaarden, Ronald J .......... Disclosed no conflict of interest.
Van Heest, Ann ......................... Disclosed no conflict of interest.
van Hoolwerff, Marcella ............. Disclosed no conflict of interest.
van Oosten, Marleen ................... Disclosed no conflict of interest.
van Roermund, Peter M ............... Disclosed no conflict of interest.
Van Sloun, Rachel ..................... Disclosed no conflict of interest.
van Steenbergen, Liza N .............. Disclosed no conflict of interest.
Van Toen, Carolyn Yvonne .......... Disclosed no conflict of interest.
Van Wie, Bernard ...................... 5: Regeneron Pharmaceuticals.
van Wijnen, Andre J .................. Disclosed no conflict of interest.
Vance, Jeffery M ....................... Disclosed no conflict of interest.
Vanderbilt, Timothy .................. Disclosed no conflict of interest.
Vanderby, Ray .......................... Disclosed no conflict of interest.
Vanderploeg, Eric ..................... 3A: Bioventus, LLC.
VanDeven, Jennifer ................... 3A: Exactech, Inc.
Vang, Sandy ........................... Disclosed no conflict of interest.
Vannam, Joshua ....................... Disclosed no conflict of interest.
Vantucci, Casey ....................... Disclosed no conflict of interest.
Vantucci, Casey E ..................... Disclosed no conflict of interest.
Vaquette, Cedryck .................... Disclosed no conflict of interest.
Varandani, Yugal ..................... Disclosed no conflict of interest.
Vashishth, Deepak .................... Disclosed no conflict of interest.
Vasquez-Bolanos, Laura S ........... Disclosed no conflict of interest.
Vasquez-Bolanos, Laura S. .......... Disclosed no conflict of interest.
Vass, Stephanie ...................... Disclosed no conflict of interest.
Vassar, Matt .......................... Disclosed no conflict of interest.
Vater, Corina .......................... Disclosed no conflict of interest.
Vaudreuil, Nicholas .................. Disclosed no conflict of interest.
Vaughan, Melville .................... Disclosed no conflict of interest.
Vaziri, Ashkan ....................... Disclosed no conflict of interest.
Vazquez, Kelly J. .................... Disclosed no conflict of interest.
Vedadghavami, Armin ................ Disclosed no conflict of interest.
Vega-Soto, Emmanuel E .............. Disclosed no conflict of interest.
Vehmeijer, Stephan B.W. ............ Disclosed no conflict of interest.
Veith, Alexander ..................... Disclosed no conflict of interest.
Vemulapalli, Krishna C .............. Disclosed no conflict of interest.
Vemuri, Ramya ....................... 3A: Stryker Orthopedics.
Venkataraman, Guhan R ............. Disclosed no conflict of interest.
Venkatesan, Jagadeesh K ..........  Disclosed no conflict of interest.
Verbiest, Vera ........................ Disclosed no conflict of interest.
Verdonschot, Nico ................... 3B: Exactech Gainesville Florida and Invibio Knees; 5: Invibio Knees, Thorton Clevelays, UK; DePuy, Zimmer-Biomet; 8: Editorial board of the BJJ.
Verdonschot, Nico ................... 5: Aesculap, Depuy, Invibio.
Verdonschot, Nico ................... 5: DePuy Synthes.
Verhamme, Luc.......................... Disclosed no conflict of interest.
Vermes, Csaba.......................... Disclosed no conflict of interest.
Vermue, Hannes.......................... Disclosed no conflict of interest.
Vernekar, Varadraj..................... Disclosed no conflict of interest.
Verner, Kari A.......................... Disclosed no conflict of interest.
Vertesich, Klemens...................... Disclosed no conflict of interest.
Vesvoranan, Oraya...................... Disclosed no conflict of interest.
Vezzani, Bianca.......................... Disclosed no conflict of interest.
Viddeleer, Alain......................... Disclosed no conflict of interest.
Vigorita, Vincent....................... Disclosed no conflict of interest.
Villa-Camacho, Juan C.................. Disclosed no conflict of interest.
Villalpando, Cristina................... Disclosed no conflict of interest.
Villarraga, Hector ..................... Disclosed no conflict of interest.
Villasante Tezanos, Alejandro G...... Disclosed no conflict of interest.
Vincent, Jennifer....................... Disclosed no conflict of interest.
Vincent, Kathleen F.................... Disclosed no conflict of interest.
Vincent, Tonia.......................... Disclosed no conflict of interest.
Vinogradov, Sergei..................... Disclosed no conflict of interest.
Vinson, Brooke.......................... Disclosed no conflict of interest.
Vinson, Emily N........................ Disclosed no conflict of interest.
Virdi, Amarjit S....................... Disclosed no conflict of interest.
Viswanathan, Sowmya.................. Disclosed no conflict of interest.
Vitkin, I Alex.......................... Disclosed no conflict of interest.
Vivancos-Koopman, Irene............. Disclosed no conflict of interest.
Vnuk, Drazen.......................... Disclosed no conflict of interest.
Vo, Nam.................................. Disclosed no conflict of interest.
Vogel, Laura A.......................... Disclosed no conflict of interest.
Vojdani, Saman......................... Disclosed no conflict of interest.
Vokes, Steven A....................... Disclosed no conflict of interest.
Volinski, Bridget...................... Disclosed no conflict of interest.
Volk, Susan W.......................... Disclosed no conflict of interest.
vom Scheidt, Annika................... Disclosed no conflict of interest.
von Diemling, Christian.............. Disclosed no conflict of interest.
von Klot, Wiebke .......................... Disclosed no conflict of interest.
von Lübken, Falk .......................... Disclosed no conflict of interest.
Vopat, Bryan G .......................... Disclosed no conflict of interest.
Vopat, Bryan G. ......................... Disclosed no conflict of interest.
Vorrius, Brandon .......................... Disclosed no conflict of interest.
Vosoughi, Ardalan .......................... Disclosed no conflict of interest.
Vranken, Timothy .......................... Disclosed no conflict of interest.
Vreize, Alyssa .......................... Disclosed no conflict of interest.
Vrieze, Alyssa .......................... Disclosed no conflict of interest.
Vuong, Brian .......................... Disclosed no conflict of interest.
Wach, Amanda .......................... Disclosed no conflict of interest.
Wachs, Rebecca A. ....................... Disclosed no conflict of interest.
Wächter, Leonard .......................... Disclosed no conflict of interest.
Wada, Hiroaki .......................... Disclosed no conflict of interest.
Wada, Kanichiro .......................... Disclosed no conflict of interest.
Wada, Makoto .......................... Disclosed no conflict of interest.
Wada, Saori .......................... Disclosed no conflict of interest.
Wada, Susumu .......................... Disclosed no conflict of interest.
Wagner, Diane .......................... Disclosed no conflict of interest.
Wagner, Diane R. ....................... Disclosed no conflict of interest.
Wagner, Erica K ......................... Disclosed no conflict of interest.
Wagner, Timothy ......................... 3C: Stryker.
Wakabayashi, Hiroki .......................... Disclosed no conflict of interest.
Walczak, Brian .......................... Disclosed no conflict of interest.
Walczak, Brian E ......................... Disclosed no conflict of interest.
Waldman, Stephen .......................... Disclosed no conflict of interest.
Waldman, Stephen D ..................... Disclosed no conflict of interest.
Waldorff, Erik ......................... 3A: Orthofix, Inc.
Waldorff, Erik I .......................... 3A: Orthofix, Inc; 4: Orthofix, Inc.
Waldorff, Erik I ......................... 3A: Orthofix; 4: Orthofix.
Walgenbach, Ann .......................... Disclosed no conflict of interest.
Walgenbach, Ann W ..................... Disclosed no conflict of interest.
Walia, Bhavita .......................... Disclosed no conflict of interest.
Walji, Noosheen ....................... Disclosed no conflict of interest.
Walk, Remy E .......................... Disclosed no conflict of interest.
Walker, J. Todd ........................ Disclosed no conflict of interest.
Walker, Nicholas R .................... Disclosed no conflict of interest.
Walker, Rob ............................ Disclosed no conflict of interest.
Wall, Eric J ............................. 3C: SpineForm; 4: SpineForm; 5: SpineForm; 6: SpineForm.
Wallace, Cameron W .................. Disclosed no conflict of interest.
Wallace, Joseph M ..................... Disclosed no conflict of interest.
Wallace, Melissa ....................... Disclosed no conflict of interest.
Wallace, Robert ........................ 9: BORS.
Wallace, Robert J ........................ Disclosed no conflict of interest.
Wallace, Robert James ............... 9: BORS.
Wallace, Stephen J ..................... Disclosed no conflict of interest.
Walley, Kempland C .................... Disclosed no conflict of interest.
Walsh, Amanda .......................... Disclosed no conflict of interest.
Walsh, Ryan ............................. Disclosed no conflict of interest.
Walsh, Ryan C ........................... Disclosed no conflict of interest.
Walsh, Shannon K ...................... Disclosed no conflict of interest.
Walsh, William ........................ 3B: Biorez, Inc.; 6: Surgical and Orthopedic Research Laboratories.
Walsh, William R ...................... 3B: William R. Walsh.
Walter, Benjamin ...................... Disclosed no conflict of interest.
Walther, Achim .......................... Disclosed no conflict of interest.
Walz, Christopher R ................... Disclosed no conflict of interest.
Wan, Qianqian .......................... Disclosed no conflict of interest.
Wang, Andy ............................. Disclosed no conflict of interest.
Wang, Bing ............................. Disclosed no conflict of interest.
Wang, Chao ............................. Disclosed no conflict of interest.
Wang, Chie-Hong ....................... Disclosed no conflict of interest.
Wang, Ching-Jen ....................... 4: stock option.
Wang, Cong ............................. Disclosed no conflict of interest.
Wang, Cuicui ............................ Disclosed no conflict of interest.
Wang, Cynthia .......................... Disclosed no conflict of interest.
Wang, Dan ............................... Disclosed no conflict of interest.
Wang, Daniel D .......................... Disclosed no conflict of interest.
Wang, Dean...Disclosed no conflict of interest.
Wang, Degui...Disclosed no conflict of interest.
Wang, Ding...Disclosed no conflict of interest.
Wang, Dong...Disclosed no conflict of interest.
Wang, Dongming...Disclosed no conflict of interest.
Wang, Evelyn Tsi Hsin...Disclosed no conflict of interest.
Wang, Guangxi...Disclosed no conflict of interest.
Wang, Haiming...Disclosed no conflict of interest.
Wang, James H-C...Disclosed no conflict of interest.
Wang, James H-C...Disclosed no conflict of interest.
Wang, Jesse...Disclosed no conflict of interest.
Wang, Jianping...Disclosed no conflict of interest.
Wang, Jing...Disclosed no conflict of interest.
Wang, Jinxi...Disclosed no conflict of interest.
Wang, Joon H...Disclosed no conflict of interest.
Wang, Jou Hua...Disclosed no conflict of interest.
Wang, Kaihang...Disclosed no conflict of interest.
Wang, Lai...Disclosed no conflict of interest.
Wang, Lei...Disclosed no conflict of interest.
Wang, Liao...Disclosed no conflict of interest.
Wang, Lijun...Disclosed no conflict of interest.
Wang, Lili...3A: Regeneron Pharmaceuticals; 4: Regeneron Pharmaceuticals.
Wang, Lin...3A: Depuy Synthes.
wang, ling...Disclosed no conflict of interest.
Wang, Lingyan...Disclosed no conflict of interest.
Wang, Liyun...Disclosed no conflict of interest.
Wang, Luqiang...Disclosed no conflict of interest.
Wang, Mark L...Disclosed no conflict of interest.
Wang, Mei...Disclosed no conflict of interest.
Wang, Mingding...Disclosed no conflict of interest.
Wang, Mingkun...Disclosed no conflict of interest.
Wang, Shangcheng...Disclosed no conflict of interest.
Wang, Shaobai...Disclosed no conflict of interest.
Wang, Shaowei ...................... Disclosed no conflict of interest.
Wang, Shuya ...................... Disclosed no conflict of interest.
Wang, Tian ......................... Disclosed no conflict of interest.
Wang, Tianbai ..................... Disclosed no conflict of interest.
Wang, Vincent M .................. Disclosed no conflict of interest.
Wang, Weiguang ................... Disclosed no conflict of interest.
Wang, Wengsheng .................. Disclosed no conflict of interest.
Wang, Xiaohu ...................... Disclosed no conflict of interest.
Wang, Xilu ........................ Disclosed no conflict of interest.
Wang, Xipeng ...................... Disclosed no conflict of interest.
Wang, Xisha ....................... Disclosed no conflict of interest.
Wang, Yang ....................... Disclosed no conflict of interest.
Wang, Yaohui ...................... Disclosed no conflict of interest.
Wang, Yiming ...................... Disclosed no conflict of interest.
Wang, Ying ....................... Disclosed no conflict of interest.
Wang, Yiyun ...................... Disclosed no conflict of interest.
Wang, Yongjun .................... Disclosed no conflict of interest.
Wang, Yongqiang ................. Disclosed no conflict of interest.
Wang, Yongzhuo ................... Disclosed no conflict of interest.
Wang, You ........................ Disclosed no conflict of interest.
Wang, Yue ........................ Disclosed no conflict of interest.
Wang, Yuting ..................... Disclosed no conflict of interest.
Wang, Yuyan ...................... Disclosed no conflict of interest.
Wang, Zexi ....................... Disclosed no conflict of interest.
Wang, Zhanwen .................. Disclosed no conflict of interest.
Wang, Zhen ....................... Disclosed no conflict of interest.
Wang, Zhongzheng ............... Disclosed no conflict of interest.
Wang, Zili ....................... Disclosed no conflict of interest.
Waning, David .................... Disclosed no conflict of interest.
Ward, Caitlin M .................. Disclosed no conflict of interest.
Ward, Carol V .................... Disclosed no conflict of interest.
Ward, Christopher W ............ Disclosed no conflict of interest.
Ward, Daniel ..................... 2: Stryker; 3B: Stryker, Arthromeda; 5: Stryker.
Ward, Derek ...................... Disclosed no conflict of interest.
Ward, Ferrous S .................. Disclosed no conflict of interest.
Ward, Patricia J. Disclosed no conflict of interest.
Ward, Nora Disclosed no conflict of interest.
Ward, Samuel R. Disclosed no conflict of interest.
Ward, Samuel R. Disclosed no conflict of interest.
Warnecke, Daniela Disclosed no conflict of interest.
Warren, Russell 7A: Co-Founder and Equity in AGelity Biomechanics.
Warren, Russell F 4: Ivy Sports Medicine, OrthoNet.
Warren, Russell F Disclosed no conflict of interest.
Warth, Ryan J 5: Recipient of Musculoskeletal Transplant Foundation (MTF) 2017 Young Investigator Award; 7B: Textbook royalties; Springer International.
Washington, Alencia 3A: Avanos Medical.
Watanabe, Keiichiro Disclosed no conflict of interest.
Watanabe, Kota 5: Medtronic.
Watanabe, Masahiko 6: I receive financial support from NIPPON ZOKI Pharmaceutical Co., Ltd.
Watanabe, Naoto Disclosed no conflict of interest.
Watanabe, Nobuyoshi Disclosed no conflict of interest.
Watanabe, Nobuyuki Disclosed no conflict of interest.
Watanabe, Ryota 3A: Teijin Nakashima Medical.
Watanabe, Shintaro Disclosed no conflict of interest.
Watanabe, Shuji Disclosed no conflict of interest.
Watanabe, Toshifumi Disclosed no conflict of interest.
Waters, Tim 2: Lima corporate SpA, Smith & Nephew; 3B: Lima corporate SpA.
Watkins, Beckham Disclosed no conflict of interest.
Watkins, Lauren Disclosed no conflict of interest.
Watson, Claire J. Disclosed no conflict of interest.
Watson, John T. Disclosed no conflict of interest.
Watt, Fiona E Disclosed no conflict of interest.
Watters, Rebecca Disclosed no conflict of interest.
Watters, Rebecca J Disclosed no conflict of interest.
Watts, Ashlee E Disclosed no conflict of interest.
Watts, Evan Disclosed no conflict of interest.
Wawrose, Richard Disclosed no conflict of interest.
Wawrose, Richard A.................. Disclosed no conflict of interest.
Wayant, Cole.......................... Disclosed no conflict of interest.
Wayne, Jennifer........................ Disclosed no conflict of interest.
Wear, Keith............................ Disclosed no conflict of interest.
Weatherford, Shane.................... Disclosed no conflict of interest.
Weaver, Carolyn....................... 3A: Smith & Nephew, Inc.; 4: Smith & Nephew, Inc.
Weaver, Nicholas...................... Disclosed no conflict of interest.
Webb, Jeremy.......................... Disclosed no conflict of interest.
Weber, Alexander...................... Disclosed no conflict of interest.
Weber, Bruno........................... Disclosed no conflict of interest.
Weber, Eckhard......................... 3A: Novartis Institutes for Biomedical Research.
Weber, Eckhard......................... 3A: Novartis Pharma AG.
Weber, Marie-Christin................ Disclosed no conflict of interest.
Weber, Michael H...................... Disclosed no conflict of interest.
Wedatilake, Thamindu............... Disclosed no conflict of interest.
Wee, Hwa Bok.......................... Disclosed no conflict of interest.
Wee, Natalie........................... Disclosed no conflict of interest.
Weekes, Kenneth....................... Disclosed no conflict of interest.
Wehrle, Esther.......................... Disclosed no conflict of interest.
Wei, Dennis L.......................... Disclosed no conflict of interest.
Wei, Jiayu.............................. Disclosed no conflict of interest.
Wei, Lei................................. Disclosed no conflict of interest.
Wei, Qingxia........................... Disclosed no conflict of interest.
Wei, Shuo............................... Disclosed no conflict of interest.
Wei, Wenzhong.......................... Disclosed no conflict of interest.
Wei, Xiaochun.......................... Disclosed no conflict of interest.
Wei, Yulong............................ Disclosed no conflict of interest.
Weihrauch, Dorothee.................. Disclosed no conflict of interest.
Weinans, Harrie H..................... Disclosed no conflict of interest.
Weiner, Dennis S....................... Disclosed no conflict of interest.
Weinhold, Paul S...................... Disclosed no conflict of interest.
Weinstock-Zlotnick, Gwen.......... Disclosed no conflict of interest.
Weis, MaryAnn .......................... Disclosed no conflict of interest.
Weishar, Robert C .......................... Disclosed no conflict of interest.
Weiss, Arnold Peter .......................... Disclosed no conflict of interest.
Weiss, Arnold-Peter C ...................... 4: Loci Orthopedics.
Weiss, David .............................. Disclosed no conflict of interest.
Weiss, Jeffrey A ............................. Disclosed no conflict of interest.
Weiss, Kurt ................................. Disclosed no conflict of interest.
Weiss, Lee .......................... Disclosed no conflict of interest.
Weiss, Stephanie ............................ Disclosed no conflict of interest.
Weiss, Stephanie N ......................... Disclosed no conflict of interest.
Weitzler, Lydia .......................... Disclosed no conflict of interest.
Wellings, Peter .......................... 3A: stryker; 4: stryker.
Wellman, David .......................... Disclosed no conflict of interest.
Wells M.D., Joel .......................... Disclosed no conflict of interest.
Wells, Joel .......................... Disclosed no conflict of interest.
Wells, Kristina .......................... Disclosed no conflict of interest.
Wells, Stephen R .......................... Disclosed no conflict of interest.
Welting, Tim .......................... Disclosed no conflict of interest.
Welting, Tim JM .......................... Disclosed no conflict of interest.
Welty, Leah .......................... Disclosed no conflict of interest.
Wen, Xialing .......................... 3A: Regeneron Pharmaceuticals; 4: Regeneron Pharmaceuticals.
Wendler, Derrick .......................... Disclosed no conflict of interest.
Wenke, Joseph C .......................... Disclosed no conflict of interest.
Wentorf, Fred .......................... Disclosed no conflict of interest.
Werbner, Benjamin .......................... Disclosed no conflict of interest.
Werbner, Benjamin N ....................... Disclosed no conflict of interest.
Werner, Frederick W ....................... 4: Moximed; 5: CMC Sert; 9: Hand and Wrist Biomechanics International Board of Directors, AAOS BME Committee.
Werre, Stephen R .......................... Disclosed no conflict of interest.
West, Eric .......................... Disclosed no conflict of interest.
Westendorf, Jennifer J .......................... Disclosed no conflict of interest.
Westendorf, Jennifer J ....................... 8: JBMR; 9: ORS.
Westermann, Robert .......................... Disclosed no conflict of interest.
Westermann, Robert W ....................... 6: Smith and Nephew Education.
Westgate, Samantha ..................................Disclosed no conflict of interest.
Weston, Jacob ........................................Disclosed no conflict of interest.
Weston, Jake ..........................................Disclosed no conflict of interest.
Westrich, Geoffrey ...............................1: Stryker, Exactech; 2: Mallinckrodt Pharmaceuticals; 3B: Stryker, Exactech; 5: Stryker, Exactech, Mallinckrodt Pharmaceuticals.
Westrick, Edward ................................5: Arthrex.
Wetsel, William C .................................Disclosed no conflict of interest.
Weyand, Grace E ..................................Disclosed no conflict of interest.
Wheatley, Benjamin ..............................Disclosed no conflict of interest.
Wheeler, Samantha D .........................Disclosed no conflict of interest.
Wheeler, Tibra .......................................Disclosed no conflict of interest.
Whitaker, Dustin ..................................3A: DePuy Synthes.
White, Amanda R .................................Disclosed no conflict of interest.
White, James P ...................................Disclosed no conflict of interest.
White, Joshua .....................................Disclosed no conflict of interest.
White, Melissa ..................................Disclosed no conflict of interest.
White, Noelle .....................................Disclosed no conflict of interest.
White, Phillip J ..................................Disclosed no conflict of interest.
Whitely, Michael .................................Disclosed no conflict of interest.
Whitlock, Patrick .................................Disclosed no conflict of interest.
Whitlock, Patrick W .........................Disclosed no conflict of interest.
Whitney, Darryl ..................................Disclosed no conflict of interest.
Whitney, Kaitie E ...............................Disclosed no conflict of interest.
Whitney, Kaitlyn E .........................Disclosed no conflict of interest.
Whitton, Chris ..................................Disclosed no conflict of interest.
Whyte, Tom ........................................Disclosed no conflict of interest.
Wickiewicz, Thomas .........................1: Stryker - Mako Surgical Corp.
Widmann, Kathrin ...............................Disclosed no conflict of interest.
Widmer, Jonas ..................................Disclosed no conflict of interest.
Wiegand, Michael J .................. Disclosed no conflict of interest.
Wiegant, Karen .......................... Disclosed no conflict of interest.
Wilcox, George L .......................... Disclosed no conflict of interest.
Wilde, Aimee D .......................... Disclosed no conflict of interest.
Wilkin, Geoffrey .......................... Disclosed no conflict of interest.
Wilkinson, J. Mark .......................... Disclosed no conflict of interest.
Wilkinson, Jeremy M .......................... Disclosed no conflict of interest.
Willard, Belinda .......................... Disclosed no conflict of interest.
Willard, Vincent .......................... 3A: Cytex.
Willett, Joseph .......................... Disclosed no conflict of interest.
Willett, Nick .......................... Disclosed no conflict of interest.
Willett, Nick J .......................... Disclosed no conflict of interest.
Willey, Jeffrey .......................... Disclosed no conflict of interest.
Willey, Michael .......................... 5: Zimmer Biomet.
Willey, Michael C. .......................... Disclosed no conflict of interest.
Williams, Ashley A .......................... Disclosed no conflict of interest.
Williams, David R .......................... Disclosed no conflict of interest.
Williams, Dustin L .......................... Disclosed no conflict of interest.
Williams, Edek .......................... Disclosed no conflict of interest.
Williams, Horace .......................... Disclosed no conflict of interest.
Williams, Jack R .......................... Disclosed no conflict of interest.
Williams, Justin .......................... Disclosed no conflict of interest.
Williams, Katrina M .......................... Disclosed no conflict of interest.
Williams, Lance .......................... Disclosed no conflict of interest.
Williams, Rhys .......................... Disclosed no conflict of interest.
Williams, Sophie .......................... 5: DePuy Synthes.
Williams, Wendy .......................... Disclosed no conflict of interest.
Williamson, Kelly M ....................... Disclosed no conflict of interest.
Williamson, Patrick .......................... Disclosed no conflict of interest.
Williamson, Patrick M ....................... Disclosed no conflict of interest.
Willing, Ryan .......................... 5: Advanced Mechanical Technology, Inc.
Wilson, Alexandria .......................... Disclosed no conflict of interest.
Wilson, Brittany M .......................... Disclosed no conflict of interest.
Wilson, Christopher .......................... 3A: Bioventus, LLC.
Wilson, David .......................... Disclosed no conflict of interest.
Wilson, David R ..................... Disclosed no conflict of interest.
Wilson, Hayden L ..................... Disclosed no conflict of interest.
Wilson, Kimberly ..................... Disclosed no conflict of interest.
Wilson, Kyla .......................... Disclosed no conflict of interest.
Wilson, Scott .......................... Disclosed no conflict of interest.
Wimberly, Lane ........................ 7B: Elsevier.
Wimmer, Markus ...................... Disclosed no conflict of interest.
Wimmer, Markus A ..................... Disclosed no conflict of interest.
Wimmer, Markus A ..................... 5: Zimmer-Biomet.
Windhagen, Henning ................. Disclosed no conflict of interest.
Windhager, Reinhard .................. 3C: Depuy.
Winebrake, James P ................... Disclosed no conflict of interest.
Wingender, Brian ...................... Disclosed no conflict of interest.
Wingett, Denise ....................... Disclosed no conflict of interest.
Wipplinger, Christoph ............... Disclosed no conflict of interest.
Wirth, Wolfgang ...................... 3A: Chondrometrics GmbH; 4: Chondrometrics GmbH.
Wise, Bart ............................. Disclosed no conflict of interest.
Wise, Kelsey .......................... Disclosed no conflict of interest.
Witte, Dexter H ....................... Disclosed no conflict of interest.
Witte, Russell S ....................... Disclosed no conflict of interest.
wittig, james ........................ Disclosed no conflict of interest.
Witwer, Kenneth ..................... 8: Associate Editor, Journal of Extracellular Vesicles.
Wojek, Christian ..................... 3A: Corporate Research and Technology, Carl Zeiss AG.
Wolf, Jennifer ....................... Disclosed no conflict of interest.
Wolfe, Preston ....................... Disclosed no conflict of interest.
Wolfe, Scott W ........................ 1: Extremity Medical; 2: Extremity Medical; 3B: Extremity Medical; 5: Extremity Medical; 7B: Extremity Medical; 8: Elsevier, Inc.
Wolff, Aviva L ....................... Disclosed no conflict of interest.
Wollenman, Colby C .................. Disclosed no conflict of interest.
Woloszyk, Anna ...................... Disclosed no conflict of interest.
Wong, Alice .......................... Disclosed no conflict of interest.
Wong, Andrew ....................... Disclosed no conflict of interest.
Wong, Andrew K ..................... Disclosed no conflict of interest.
Wong, Chin-Chean ................... Disclosed no conflict of interest.
Wong, Hee-Kit ................................ 3B: Spineguard.
Wong, Kwok Chuen ................. Disclosed no conflict of interest.
Wong, Ronald Man-Yeung .......... Disclosed no conflict of interest.
Wong, Stacey ................................ Disclosed no conflict of interest.
Wong, Xavier Pei-Chun ............ Disclosed no conflict of interest.
WOO, SANGWON ...................... Disclosed no conflict of interest.
Wood, Ronald .......................... Disclosed no conflict of interest.
Wood, Thomas .......................... Disclosed no conflict of interest.
Woodard, Erik .......................... 3A: Smith & Nephew, Inc.
Woodburn, William N ................ Disclosed no conflict of interest.
Woodruff, Maria A. .................. Disclosed no conflict of interest.
Woods, Kali ................................ Disclosed no conflict of interest.
Woodson, David M ................... Disclosed no conflict of interest.
Working, Zach .......................... Disclosed no conflict of interest.
Wozney, John .......................... 3B: Bioventus, LLC.
Wright, Abe ............................ 3A: DePuy Synthes.
Wright, Abe ............................ 3A: DePuy Synthes.
Wright, Christian S. ................. Disclosed no conflict of interest.
Wright, Jennifer L ...................... Disclosed no conflict of interest.
Wright, Jonathan O. .................. Disclosed no conflict of interest.
Wright, Thomas ...................... 1: Exactech, Inc.
Wright, Timothy M .................... Disclosed no conflict of interest.
Wroblewski, Olga .................... Disclosed no conflict of interest.
Wroblewski, Olga M ................. Disclosed no conflict of interest.
Wu, Benjamin ....................... Disclosed no conflict of interest.
Wu, Bin ............................... Disclosed no conflict of interest.
Wu, Cheng-Tien ....................... Disclosed no conflict of interest.
Wu, Chia-Lung ....................... Disclosed no conflict of interest.
Wu, Colleen ......................... Disclosed no conflict of interest.
Wu, Decheng ......................... Disclosed no conflict of interest.
Wu, Jianbo ........................... Disclosed no conflict of interest.
Wu, Minfei .......................... Disclosed no conflict of interest.
Wu, Shuilin .......................... Disclosed no conflict of interest.
Wu, Siliang .......................... Disclosed no conflict of interest.
Wu, Tongge .......................... Disclosed no conflict of interest.
Wu, Yongren .......................... Disclosed no conflict of interest.
Wu, Zheyang .......................... Disclosed no conflict of interest.
Wulff, Heike .......................... Disclosed no conflict of interest.
Wyder, Michael .......................... Disclosed no conflict of interest.
Wyles, Cody C .......................... Disclosed no conflict of interest.
Wyman, Nicole .......................... Disclosed no conflict of interest.
Wyse Jackson, Thomas ............... Disclosed no conflict of interest.
Xi, Haibin .......................... Disclosed no conflict of interest.
Xia, Boao .......................... Disclosed no conflict of interest.
Xiang, Chuan .......................... Disclosed no conflict of interest.
Xiao, Jason .......................... Disclosed no conflict of interest.
Xiao, Jun .......................... Disclosed no conflict of interest.
Xiao, Li .......................... Disclosed no conflict of interest.
Xiao, Longfei .......................... Disclosed no conflict of interest.
Xiao, Michelle .......................... Disclosed no conflict of interest.
Xiao, Wanan .......................... Disclosed no conflict of interest.
Xiao, Weiyuan .......................... Disclosed no conflict of interest.
Xie, Chao .......................... 5: Amedica Co.
Xie, Shuqiao .......................... Disclosed no conflict of interest.
Xin, Ma .......................... Disclosed no conflict of interest.
Xing, Lianping .......................... Disclosed no conflict of interest.
Xiong, Wei .......................... Disclosed no conflict of interest.
Xu, Chun .......................... Disclosed no conflict of interest.
Xu, Handong .......................... Disclosed no conflict of interest.
Xu, Jiajia .......................... Disclosed no conflict of interest.
Xu, Liang .......................... Disclosed no conflict of interest.
Xu, Liangcheng .......................... Disclosed no conflict of interest.
Xu, Liangcheng H ...................... Disclosed no conflict of interest.
Xu, Mingjian .......................... Disclosed no conflict of interest.
Xu, Ren .......................... Disclosed no conflict of interest.
Xu, Tao .......................... Disclosed no conflict of interest.
Xu, Ying ........................................... Disclosed no conflict of interest.
Xu, Zheng ........................................... Disclosed no conflict of interest.
Xue, Yin ........................................... Disclosed no conflict of interest.
Yabe, Yutaka ....................................... Disclosed no conflict of interest.
Yabuuchi, Koji ..................................... Disclosed no conflict of interest.
Yadav, Sumit ....................................... Disclosed no conflict of interest.
Yagi, Haruyo ....................................... Disclosed no conflict of interest.
Yagi, Mitsuru ...................................... Disclosed no conflict of interest.
Yagi, Tomonori ..................................... Disclosed no conflict of interest.
Yagnik, Gautam P .................................. 3B: Arthrex, Inc.
Yahagi, Yoshiyuki .................................. Disclosed no conflict of interest.
Yahara, Yasuhito .................................. Disclosed no conflict of interest.
Yahiro, Kenichiro .................................. Disclosed no conflict of interest.
Yalanis, Georgia C ................................ 3A: PolarityTE; 4: PolarityTE.
Yalon, Eran ......................................... Disclosed no conflict of interest.
Yamabe, Daisuke ................................... Disclosed no conflict of interest.
Yamada, Harumoto ................................ Disclosed no conflict of interest.
Yamada, Hiroshi ................................... Disclosed no conflict of interest.
Yamada, Junichi ................................... Disclosed no conflict of interest.
Yamada, Kazuki ................................... Disclosed no conflict of interest.
Yamada, Satoshi ................................... Disclosed no conflict of interest.
Yamada, Yoshitake ................................ Disclosed no conflict of interest.
Yamagami, Ryota .................................. Disclosed no conflict of interest.
Yamaguchi, Jonathan T ............................ Disclosed no conflict of interest.
Yamaguchi, Kounosuke ............................ Disclosed no conflict of interest.
Yamaguchi, Ryosuke .............................. Disclosed no conflict of interest.
Yamakawa, Akira .................................. Disclosed no conflict of interest.
Yamakawa, Junichi ................................ Disclosed no conflict of interest.
Yamakawa, Satoshi ................................. Disclosed no conflict of interest.
Yamako, Go ......................................... Disclosed no conflict of interest.
Yamamoto, Hiroki .................................. Disclosed no conflict of interest.
Yamamoto, Keizo .................................. Disclosed no conflict of interest.
Yamamoto, Nobuyuki .............................. Disclosed no conflict of interest.
Yamamoto, Reiji ................................... Disclosed no conflict of interest.
Yamamoto, Shun ................................... Disclosed no conflict of interest.
Yamamoto, Takao
Disclosed no conflict of interest.
Yamamoto, Takuaki
Disclosed no conflict of interest.
Yamamoto, Tetsuji
Disclosed no conflict of interest.
Yamamoto, Tetsuya
Disclosed no conflict of interest.
Yamamoto, Tomomaya
Disclosed no conflict of interest.
Yamamoto, Yuji
Disclosed no conflict of interest.
Yamamoto, Yuki
Disclosed no conflict of interest.
Yamamoto, Yusuke
Disclosed no conflict of interest.
Yamanaka, Manabu
Disclosed no conflict of interest.
Yamanaka, Masanori
Disclosed no conflict of interest.
Yamanaka, Tsubasa
3A: Sanyo Chemical Industries Ltd.
Yamanaka, Tsubasa
3A: Sanyo-chemical.
Yamanaka, Yoshiaki
Disclosed no conflict of interest.
Yamane, Kentaro
Disclosed no conflict of interest.
Yamasaki, Takuma
Disclosed no conflict of interest.
Yamashita, Takahiro
Disclosed no conflict of interest.
Yamashita, Toshihiko
Disclosed no conflict of interest.
Yamauchi, Mitsuo
Disclosed no conflict of interest.
Yamauchi, Ryota
Disclosed no conflict of interest.
Yamaura, Kohei
Disclosed no conflict of interest.
Yamazaki, Etsuko
Disclosed no conflict of interest.
Yamazaki, Masashi
Disclosed no conflict of interest.
Yamazaki, Takaharu
Disclosed no conflict of interest.
Yammani, Raghuantha
Disclosed no conflict of interest.
Yamomo, Geoffrey
Disclosed no conflict of interest.
Yan, Cui
Disclosed no conflict of interest.
Yan, Ming
Disclosed no conflict of interest.
Yan, Qing
Disclosed no conflict of interest.
Yan, Sherry
Disclosed no conflict of interest.
Yanagisawa, Shinya
Disclosed no conflict of interest.
Yanagisawa, Sho
Disclosed no conflict of interest.
Yancey, Margo
Disclosed no conflict of interest.
Yang, Bo
Disclosed no conflict of interest.
Yang, Chyun Yu
Disclosed no conflict of interest.
Yang, Daniel
Disclosed no conflict of interest.
Yang, Daniel S.  
Yang, Fan  
Yang, Hai Mi  
Yang, Haimi  
Yang, Henry  
Yang, Huan  
Yang, Huiliang  
Yang, Hui-Lin  
Yang, Jian  
Yang, Jian  
Yang, Ke  
Yang, Kun  
Yang, Linjun  
Yang, Mingrui  
Yang, Qing  
Yang, Rong S  
Yang, Shang-You  
YANG, SHU  
Yang, Tsung-Cheng  
Yang, Wentian  
Yang, Wenyun  
Yang, Xiaoyun  
Yang, Xinlin  
Yang, Xinmai  
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Yang, Yuanheng  
Yang, Yunzhi  
Yang, Yunzhi Peter  
Yanik, Elizabeth L  
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Yano, Toshihisa  
Yao, Hai  
Yao, Wei  
Yao, Yifei  
Yao, Zhenyu  

Disclosed no conflict of interest.
Yaotang, Wu
Disclosed no conflict of interest.

Yasuda, Kazunori
Disclosed no conflict of interest.

Yasui, Hirohiko
Disclosed no conflict of interest.

Yasuma, Sanshiro
Disclosed no conflict of interest.

Yasutake, Kaori
Disclosed no conflict of interest.

Yasuyuki, Ishibashi
Disclosed no conflict of interest.

Yaszay, Burt

Yatomi, Yutaka
Disclosed no conflict of interest.

Yau, Anne
Disclosed no conflict of interest.

Yayon, Avner
3A: Procore Bio med, Ltd.

Yazici, Yusuf
3A: Samumed, LLC; 4: Samumed, LLC.

Ye, Jonathan
Disclosed no conflict of interest.

Ye, Tong
Disclosed no conflict of interest.

Ye, Yaping
Disclosed no conflict of interest.

Yeater, Taylor
Disclosed no conflict of interest.

Yee, Cristal S
Disclosed no conflict of interest.

Yee, Cristal S.
Disclosed no conflict of interest.

Yegres, Jose
3A: Exactech, Inc.

Yeh, Peter W
Disclosed no conflict of interest.

Yeni, Yener N
8: Bone (Editorial Board).

Yeni, Yener N.
Disclosed no conflict of interest.

Yeo, Seng Jin
Disclosed no conflict of interest.

Yeo, Seng-Jin
Disclosed no conflict of interest.

Yeoh, Kenji
Disclosed no conflict of interest.

Yerby, Scott
3A: SI-Bone; 4: SI-Bone.

Yeung, Kelvin Wai Kwok
3B: Hangzhou Huamai Medical Device Ltd., Koln 3D Printing; 4: OrthoSmart Limited; 5: Hangzhou Huamai Medical Device Ltd.

Yew, Andy
Disclosed no conflict of interest.

Yew, Brandon Bao Sheng
Disclosed no conflict of interest.

Yi, Ae-Kyung
Disclosed no conflict of interest.

Yi, Dan
Disclosed no conflict of interest.

Yi, John S.
Disclosed no conflict of interest.

Yi, Xin
Disclosed no conflict of interest.

Yi, Young-su
Disclosed no conflict of interest.
Yik, Jasper HN ........................................... 4: Tesio Pharmaceuticals Inc.
Yim, Nury ........................................... Disclosed no conflict of interest.
Yin, Peng ........................................... Disclosed no conflict of interest.
Yin, Xue ........................................... Disclosed no conflict of interest.
Ying, Liang ........................................... Disclosed no conflict of interest.
Yip, Jasper HN ........................................... 4: Tesio Pharmaceuticals Inc.
Yoho, Robert ........................................... Disclosed no conflict of interest.
Yokogawa, Noria ........................................... Disclosed no conflict of interest.
Yokoo, Suguru ........................................... Disclosed no conflict of interest.
Yokota, Masashi ........................................... Disclosed no conflict of interest.
Yokoyama, Yumika ........................................... Disclosed no conflict of interest.
Yoneda, Susumu ........................................... Disclosed no conflict of interest.
Yonemitsu, Ryuji ........................................... Disclosed no conflict of interest.
Yonko, Elizabeth ........................................... Disclosed no conflict of interest.
YOO, JEONG JOON ........................................... 3B: Corentec company.
Yoon, Dong Hwan ........................................... Disclosed no conflict of interest.
Yoon, Jae Youn ........................................... Disclosed no conflict of interest.
Yoon, Jaewon ........................................... Disclosed no conflict of interest.
Yorozu, Ayanori ........................................... Disclosed no conflict of interest.
Yoshida, Aki ........................................... Disclosed no conflict of interest.
Yoshida, Hiroki ........................................... Disclosed no conflict of interest.
Yoshida, Masahito ........................................... Disclosed no conflict of interest.
Yoshida, Shinichiro ........................................... Disclosed no conflict of interest.
Yoshida, Shinichirou ........................................... Disclosed no conflict of interest.
Yoshida, Takaki ........................................... Disclosed no conflict of interest.
Yoshida, Toshinori ........................................... Disclosed no conflict of interest.
Yoshii, Toshitaka ........................................... Disclosed no conflict of interest.
Yoshikawa, Hideki ........................................... Disclosed no conflict of interest.
Yoshioka, Tomokazu ........................................... Disclosed no conflict of interest.
Yoshioka, Toru ........................................... Disclosed no conflict of interest.
Yoshioka, Yusuke ........................................... Disclosed no conflict of interest.
Yoshitake, Shingo ........................................... Disclosed no conflict of interest.
Yoshiya, Shinichi ........................................... Disclosed no conflict of interest.
Yoshizawa, Shu ........................................... Disclosed no conflict of interest.
You, Lidan ........................................... Disclosed no conflict of interest.
Young, David A .................. Disclosed no conflict of interest.
Young, Edmond .................. Disclosed no conflict of interest.
Young, Gregory .................. Disclosed no conflict of interest.
Young, Kate ....................... Disclosed no conflict of interest.
Young, Marian F ................. Disclosed no conflict of interest.
Young, Nicholas A ................ Disclosed no conflict of interest.
Young, Robert .................... Disclosed no conflict of interest.
Young-Shand, Kathryn L ........ Disclosed no conflict of interest.
Yu, Alexander ................... 3B: DiFusion Technologies Inc; 4: DiFusion Technologies Inc.
Yu, Kanglun ...................... Disclosed no conflict of interest.
Yu, Kristin ....................... Disclosed no conflict of interest.
Yu, Kristin E ..................... Disclosed no conflict of interest.
Yu, Lily ............................ Disclosed no conflict of interest.
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Yu, Tony ........................... Disclosed no conflict of interest.
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Yu, Y. Eric ........................ Disclosed no conflict of interest.
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Yuki, Issei ....................... Disclosed no conflict of interest.
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Yumi, Nomura ................... Disclosed no conflict of interest.
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Yun, Jongwha... Disclosed no conflict of interest.
Yung, Patrick Shu-hang... Disclosed no conflict of interest.
Yurie, Hirofumi... Disclosed no conflict of interest.
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Zadpoor, Amir A... Disclosed no conflict of interest.
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Zalzal, Paul... Disclosed no conflict of interest.
Zandiye, Payam... Disclosed no conflict of interest.
Zarei, Milad... Disclosed no conflict of interest.
Zarfos, Samuel D... Disclosed no conflict of interest.
Zarin, Jeffrey S... 3B: Stryker.
Zarling, Bradley J... Disclosed no conflict of interest.
Zaul, Roger... Disclosed no conflict of interest.
Zaylor, William... Disclosed no conflict of interest.
Zbyn, Stefan... Disclosed no conflict of interest.
Zebala, Lukas P... Disclosed no conflict of interest.
Zeidler, Dirk... 3A: Carl Zeiss Microscopy GmbH.
Zelicoif, Steven... 3C: Stryker.
Zenke, Yukichi... Disclosed no conflict of interest.
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Zhang, Yang................................. Disclosed no conflict of interest.
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ZHANG, YING ................................ Disclosed no conflict of interest.
Zhang, Yue .................................. Disclosed no conflict of interest.
Zhang, Yulong ............................... Disclosed no conflict of interest.
Zhang, Zhongying .......................... Disclosed no conflict of interest.
Zhang, Zijun ................................ Disclosed no conflict of interest.
Zhang, Zugui ................................ Disclosed no conflict of interest.
Zhao, Bin ................................... Disclosed no conflict of interest.
Zhao, Chunfeng ............................. Disclosed no conflict of interest.
Zhao, Crystal Z .............................. Disclosed no conflict of interest.
Zhao, John .................................. Disclosed no conflict of interest.
Zhao, Kristin ................................ Disclosed no conflict of interest.
Zhao, Liming ................................. Disclosed no conflict of interest.
Zhao, Xin .................................... Disclosed no conflict of interest.
Zheng, Fengyuan ............................ Disclosed no conflict of interest.
Zheng, Hongjun .............................. Disclosed no conflict of interest.
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Zheng, Ming Hao ............................ 7A: Orthocell Australia.
Zheng, Nigel ................................ Disclosed no conflict of interest.
Zheng, Xiaozuo .............................. Disclosed no conflict of interest.
Zhong, Leilei ................................. Disclosed no conflict of interest.
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Zhou, Benjamin Yamin ...................... Disclosed no conflict of interest.
Zhou, Chaochao .............................. Disclosed no conflict of interest.
Zhou, Cheng ................................ Disclosed no conflict of interest.
Zhou, George K .............................. Disclosed no conflict of interest.
Zhou, Hao .................................. Disclosed no conflict of interest.
Zhou, Ji ..................................... Disclosed no conflict of interest.
Zhou, Lingjie ................................. Disclosed no conflict of interest.
Zhou, Minhao ................................. Disclosed no conflict of interest.
Zhou, Sheng ................................ Disclosed no conflict of interest.
Zhou, Shuanhu ............................... Disclosed no conflict of interest.
Zhou, Xiangnan ............................. Disclosed no conflict of interest.
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Ziegler, Connor G .......................... Disclosed no conflict of interest.
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Zlotnick, Hannah .......................... Disclosed no conflict of interest.
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Zondervan, Robert L .......................... Disclosed no conflict of interest.
Zong, Xiaohua .......................... Disclosed no conflict of interest.
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Zukotynski, Brian .......................... Disclosed no conflict of interest.
Zumstein, Mathias .......................... 3B: Medacta, Angiocrine.
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