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Tendon Section at the 2025 ORS Annual Meeting



The Annual Meeting is just around the corner! We are looking forward to seeing everyone next weekend, February 7-11, 2025, in sunny Phoenix, AZ. If you haven't registered for the annual meeting yet, please do so today through the link below. Enclosed you will find a summary of all of the tendon and ligament-related content at this year's meeting, including spotlight talks, student presentations, award winners, and more!

[Register](#)

Tendon Section Scientific Meeting Saturday, February 8 - 12:45 PM to 2:45 PM

The Scientific Meeting is our premiere event in Phoenix this year, and we've been working hard to bring you a fantastic program. This year's meeting, themed "New Frontiers in Extracellular Matrix Biology," is on Saturday, February 8 from 12:45 PM to 2:45 PM. We are thrilled to bring together keynote speaker Dr. Manuela Gomes, our expert panelists, and our section members to discuss new directions and innovations related to tendon extracellular matrix and proteomics research. Back by popular demand, we will also hear from our star trainees in the "3 Minute Thesis Competition." The goal of this meeting is to facilitate connections and discussion by our members and guests

and move our field forward in thinking broadly and collaboratively. We encourage all ORS attendees to attend and participate in this open meeting to broaden the impact of tendon research being done by the ORS community. See the full schedule below!

| ORS TENDON SECTION SCIENTIFIC MEETING AGENDA | |
|--|---|
| 12:45pm – 1:00pm | Welcome and Opening Remarks <i>Hani Awad, PhD (Chair) & Nelly Andarawis-Puri, PhD (Chair Elect)</i> |
| 1:00pm – 1:50pm | Keynote Lecture: New Frontiers in Extracellular Matrix Biology <i>Manuela Gomes, PhD; Professor of Bioengineering, University of Porto</i> Panel Discussion <i>Manuela Gomes, PhD; Professor of Bioengineering, University of Porto</i> <i>Pernilla Eliasson, PhD; Associate Professor of Orthopedics, University of Gothenberg</i> <i>Brianne Connizzo, PhD; Assistant Professor of Biomedical Engineering, Boston University</i> |
| 1:50pm – 2:10pm | Networking Break |
| 2:10pm – 2:40pm | 3-Minute Thesis Competition <i>Megan Killian, PhD (Education Chair) & Anne Gingery, PhD (Research Chair)</i> |
| 2:40pm – 2:45pm | Update on Mentoring Initiatives and Closing Remarks <i>Megan Killian, PhD (Education Chair) & Anne Gingery, PhD (Research Chair)</i> |

Tendon Section Call for Judges

Are you interested in serving as a judge for posters, podiums, and/or the **3 Minute Thesis** talks at the Annual Meeting? If so, please complete this form: <https://forms.gle/wpYGWbcCMnb5Y4FR7>

Tendon Section-Sponsored Symposium Monday, February 10 - 1:00 PM to 2:00 PM

This year our Section is proud to sponsor a symposium titled "TENET - Regenerative Treatments to Promote Tendon Regeneration and Restoring Tendon Functionality" organized by Britt Wildemann, PhD, Andreas Traweger, PhD, and Manuela Gomes, PhD. TENET is a collaborative initiative funded by the European Union, dedicated to advancing our knowledge of tendon biology and therapeutic strategies (<https://cost-tenet.eu/>). It will unite experts from diverse fields, fostering the creation, evaluation, and application of regenerative treatments to promote tendon regeneration and restoring tendon functionality. You won’t want to miss it!

Read More

Spotlight Speakers

Intervertebral Disc Degeneration - Treatment and Therapeutics
“What a Pain in the Back: Discogenic Pain Etiology and Cell Therapy”
Saturday, February 8, 3:45 PM – 4:45 PM, *Featuring Dmitriy Sheyn, PhD*

Disruptive Technologies and Innovative Approaches for Soft Tissue Knee Injuries

“Delivering on Disruption: A New Way to Approach Ligament Repair”

Sunday, February 9, 4:15 PM – 5:15 PM, *Featuring Martha Murray, MD*

Abstract Presentations

PODIUM SESSIONS WITH TENDON/LIGAMENT-RELATED ABSTRACTS

Knee, Injury And Cartilage Health - Saturday, February 8, 10:45 AM – 11:45 AM

Tendon Growth And Development - Saturday, February 8, 5:00 PM – 6:00 PM

Biomaterials - Controlled Release For All Tissues - Saturday, February 8, 5:00 PM – 6:00 PM

A Focus On Translational Research - Sunday, February 10, 9:15 AM – 10:15 AM

Biomaterials For 3D And MIS - Sunday, February 10, 9:15 AM – 10:15 AM

Tendon Mechanobiology - Sunday, February 9, 4:15 PM – 5:15 PM

Crosstalk Among Musculoskeletal Tissues And Beyond - Sunday, February 9, 4:15 PM – 5:15 PM

Tendon And Ligament Healing - Monday, February 10, 10:45 AM – 11:45 AM

Tendon Disease And Treatment - Tuesday, February 11, 8:00 AM – 9:00 AM

POSTER SESSIONS WITH TENDON/LIGAMENT-RELATED ABSTRACTS

Poster Session 1: Saturday, February 8

Biomaterials - Repair/Replacement of Soft Tissues

Imaging - Hard Tissue

Foot and Ankle - Diagnostics

Foot and Ankle - Structure, Function and Mechanics

Tendon and Ligament - Diseases and Disorders

Tendon and Ligament - Growth, Development and Aging

Tendon and Ligament - Injury and Healing

Tendon and Ligament - Structure, Function and Mechanics

Tendon and Ligament - Treatment and Therapeutics

Late Breaking Posters

Poster Session 2: Monday, February 10

Cartilage and Synovium - Injury and Healing

Cartilage and Synovium - Treatment and Therapeutics

Hip and Knee Arthroplasty - Robotics and AI

Biomaterials - Controlled Release

Biomaterials - Repair/Replacement of Hard Tissues

Imaging - Image Analyses Basic Science

Bone - Injury and Healing Basic Science

Foot and Ankle - Injury and Healing

Tendon and Ligament - Diseases and Disorders

Tendon and Ligament - Growth, Development and Aging

Tendon and Ligament - Injury and Healing
Tendon and Ligament - Structure, Function and Mechanics
Tendon and Ligament - Treatment and Therapeutics
Knee - Injury and Healing
Clinical Research - Clinical Research Methods
Hand and Wrist - Tendon, Ligament and Neuromuscular Disorders
Shoulder and Elbow - Injury and Healing

Award Finalists

NIRA Award Presentations, Knee

Saturday, February 8, 5:00 PM – 6:00 PM

Effect Of Partial And Complete Posterior Cruciate Ligament Sectioning On Femoral Rollback And Posterior Sag In Medial Congruent Total Knee Arthroplasty: A Computational Study

Vagus Nerve Stimulation Reduces Pain Induced By ACL-Rupture In A Gender-dependent Manner

Lateral Tibial Slope And Medial Tibial Spine Geometries Have Similar Effects On Anterior Cruciate

Ligament Force In Response Pivoting Loads: A Sex-specific Computational Modeling Study In 168 Young High-risk Athletes

NIRA Award Presentations, Regeneration and Remodeling

Sunday, February 9, 4:15 PM – 5:15 PM

Exploring Cilia-Targeted Therapeutics For Enhancing Rotator Cuff Healing
Dynamic Tensile Loading Improves Neotendon Formation

Content Featuring or Organized by Tendon Section Members

Career Development: Industry Innovations in MSK Health Luncheon

Innovation Committee, Industry Alliance Committee, and Orthopaedic Implants Research Section
Saturday, February 8, 11:15 AM – 1:15 PM, *Featuring Faisal Mirza, MD*

Scientific Workshop: Evidence-Based Advocacy to Inform Science Policy Decisions

Public Outreach Committee
Saturday, February 8, 12:45 PM – 1:45 PM, *Co-Organized by and Featuring Jason Chang Marvin, PhD*

Career Development: Exploring Unmet Needs in Women Empowerment: Integrating Gender Diversity as a Factor and Advancing Women in the Orthopaedic Field

ORS Innovation Committee, ORS Women’s Leadership Forum and ORS Spine Section
Saturday, February 8, 2:00 PM – 3:30 PM, *Featuring Leesa Galatz, MD*

Research Interest Group: Rigor and Reproducibility for Sex Differences and Women’s Health Research

Saturday, February 8, 7:30 PM – 9:00 PM, *Co-Organized by Brianne Connizzo, PhD*

Research Interest Group: Obesity as a Systemic Driver of OA and the Multifaceted Effects of Therapeutic Weight Loss

Saturday, February 8, 7:30 PM – 9:00 PM, *Featuring Louis DeFrate, ScD*

Research Interest Group: New Developments in Orthobiologics
Saturday, February 8, 7:30 PM – 9:00 PM, *Featuring Scott Rodeo, MD*

Career Development: Future Faculty Poster Session
Career Development Committee
Sunday, February 9, 5:30 PM – 6:30 PM, *Co-Organized by Jillian Beveridge, PhD*

Career Development: Meet the Program Officers
Career Development Committee
Monday, February 10, 2:00 PM – 3:00 PM, *Co-Organized by Su Chin Heo, PhD*

Research Interest Group: Digital Twins to Transform Orthopaedic Research
Monday, February 10, 7:00 PM – 8:30 PM, *Featuring Mariana Kersh, PhD*

Social Events

ORS Tendon Section Trainee Kick-Off
Friday, February 7, 6:00 PM – 8:00 PM
[Huss Brewing Company](#)

ORS Research Sections Networking Event (Pre-Registration Required)
Saturday, February 8, 7:00 PM – 9:00 PM

Tendon is on LinkedIn

The [Tendon LinkedIn](#) serves as an additional hub for members to connect with each other, stay updated on the latest news, and engage in discussions relevant to our shared interests. Whether you're looking to network, learn about events sponsored by the section, share research, or stay informed, our LinkedIn community is the perfect place to do so.

Member News

Congratulations to Tendon Section members on their recent accolades!

- Dr. Sophia Theodossiou was awarded a [prestigious Beckman Young Investigator Award](#).
- Dr. Giulia Crosio [completed her PhD](#) in Biomedical Sciences at the Mount Sinai School of Medicine under the advisement of Dr. Alice Huang in August and has joined Dr. Huang's lab as a post-doctoral fellow
- Dr. Dylan Easley [completed his PhD](#) in Translational Biology, Medicine, and Health at Virginia Tech under the advisement of Dr. Vincent Wang in August and has joined Dr. Chad Carroll's lab as a post-doctoral fellow
- Dr. Nelly Andarawis-Puri was [promoted](#) to Professor of Mechanical Engineering at Cornell University.

We want to promote your work! Please share your latest and greatest news, including new grants and awards, institution changes, promotions, new leadership positions, new faculty positions, professional service appointments, thesis defenses, etc. This information will be communicated our quarterly newsletter. Share your work with the Tendon community by completing the [form](#). (Submission of this form serves as your approval to share the information publicly.)

Call for Article Submission for JOR Special Issue: Tendon from Mechanism to Therapy - Emerging Technologies and Therapeutic Outcomes



This special issue will build on the ORS Tendon Conference 2024 Mechanism to Therapy – Emerging Technologies and Therapeutic Outcomes hosted by Mayo Clinic on May 30-June 1, 2024. The issue will contain perspectives, reviews, and original research papers that developed around the Tendon Conference and recent Tendon Section areas of interest. This issue will serve as a valuable resource researchers, trainees, and investigators new to tendon research, while also fostering collaborations between experts in the field. The guest editors for this issue will be Anne Gingery, PhD (Mayo Clinic) and Karin Grävare Silbernagel, PT, ATC, PhD, FAPTA (University of Delaware).

Submission deadline is Monday, June 30, 2025.

[Submit Your Article](#)

Member Spotlights



Fei Fang, PhD

Assistant Professor
Department of Orthopaedics
Icahn School of Medicine at Mount Sinai

"Our projects are mainly driven by the interest of the students in the lab and cover development biology, pathogenesis, and treatment of tendon and enthesis. We are currently working on stem cell function in tendon tissues, stem cell-based therapies, and human enthesis development."

[Read More
About Fei](#)

Nathaniel Dymont, PhD

Assistant Professor of Orthopaedic Surgery and Bioengineering
McKay Orthopaedic Research Laboratory
Department of Orthopaedic Surgery
University of Pennsylvania



[Read More About Nathaniel](#)

"We just started three projects in the past year focused on how to improve tendon-to-bone integration, how actomyosin contractility regulates the formation of tissues within the joint, and how maternal exercise affects limb development. I'm really excited to work with established and new collaborators on these projects and look forward to tackling important research questions in these areas."

Recent Tendon Publications

As a section member, you may access a compiled list of published articles and preprints relevant to the orthopaedic field. Check out this key benefit to stay well-informed and engaged with current research and developments. The Membership Committee has chosen a few of our favorites to highlight in this quarterly newsletter. In addition, please stay tuned for our upcoming webinars featuring new Hot-Off-The-Press preprints from members of our tendon community!



[Publications List](#)



Orthopaedic Research Society

9400 W. Higgins Road, Ste. 225
Rosemont, Illinois 60018
(847) 823-5770
ors@ors.org

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