ORS PSRS 5th International Spine Research Symposium

New Horizons in Intervertebral Disc Research

Sunday, November 3 – Thursday, November 7, 2019
Skytop Lodge, Skytop, Pennsylvania

POSTER SCHEDULE
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Diagnosis, Biomarkers & Clinical Treatment

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Regenerative Markers are Differentially Induced with TGFβ-1 in Human Annulus Fibrosus Cells from Degenerative and Healthy Intervertebral Discs
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CÚRAM, Centre for Research in Medical Devices, National University of Ireland Galway

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Mechanobiological Dysfunction of Disease: Cell Stiffness Decreases with Severity of Disc Degeneration and Inflammatory Stimulation
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Columbia University

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Disc Degeneration – More Than an Aging Process
Amir Jamaludin, Timor Kadir, Andrew Zisserman, Claudio Pereira, Frances Williams, Jill Urban, Jeremy Fairbank
Department of Engineering Science, University of Oxford

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Does Anticoagulant Thromboprophylaxis Increase Bleeding Complications in Spinal Surgery and Spinal Cord Injury? A Systematic Review and Meta-Analysis
Anh Nguyen, Sonia Tran, Robin Turner, Ahmed-Ramadan Sadek, Alexander Montgomery
Queen Mary University of London

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Patient Specific Computation of Glucose, Oxygen, Lactic Acid and pH Profile in Degenerated Intervertebral Discs
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Comparison of MRI Real T1, T2 and T2* Relaxation Time Measurement in the Assessment of Lumbar Disc Degeneration in Sheep
Nora Bouhsina, Jean-Baptiste Hardel, Cyrille Decante, Stephane Madec, Jerome Abadie, Julie Lesoeur, Jerome Guicheux, Johann Clouet, Marion Fuselier
INSERM, UMR

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Kaitlyn Broz, Remy Walk, Simon Tang
Washington University in St Louis

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Validation of a 3D Spin-Echo Echo-Planar Imaging Sequence for MR Elastography of the Intervertebral Disc
Megan Co, Huiming Dong, Prateek Karla, Brian Raterman, Arunark Kolipaka, Benjamin Walter
The Ohio State University

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Multiplex CRISPRa-Driven Collagen II & Aggrecan Deposition Drives Disc-Cell Phenotypes Without Exogenous Growth Factors
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Jennifer Gnsau, Emily McDonnell, Conor Buckley
Trinity College Dublin

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Controlled Release of Biological Factors for Progenitor Cell-Mediated Endogenous Repair of Intervertebral Discs
Catherine Le Visage, Leslie Frapin, Marion Fuselier, Claire Chedeville, Constantin Moraru, Edouard Samarut, Johann Clouet, Jérôme Guicheux
Inserm U1229, Regenerative Medicine and Skeleton
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Matthew Mannarino, Kai Sheng, Lisbet Haglund
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