



May 2022

Did you know?

The [ORS Spine Research Section](#) offers two award and grant opportunities that are **NOW accepting applications**:

- [Dr. Peter Roughley Award](#)
- [ORS Spine Research Section Travel Fellowship](#)



Abstract Submission NOW OPEN!

[ORS PSRS 6th International Spine Research Symposium](#)

ORS Spine Research Section members will receive a reduced registration rate for this meeting! [Registration](#) includes your hotel stay for arrival on Sunday, November 6 and departure on Thursday, November 10.

Abstract Submission Deadline: Friday, July 15, 2022

[Submit Your Abstract](#)



ORS 2023: Where science and community meet.

Whether 2023 will be your first meeting, or you're looking forward to coming back again – we can't wait to welcome you to the ORS 2023 Annual Meeting!

The annual meeting has something for every career stage and research interest. From stimulating scientific sessions, invigorating career and personal development sessions, to numerous opportunities for connection with colleagues, the ORS Annual Meeting will leave you energized and inspired.

We invite you to come for the science and stay for the community.

Abstract Submission: June 20, 2022 – August 29, 2022



**ORS Spine Research Section Session
at 2022 eCM20: Cartilage and Disc Repair
and Regeneration
Friday, June 17, 2022**

**Friday, June 17, 2022
Davos, Switzerland**

Regeneration of the intervertebral disc for back pain targeting the degenerate niche
Christine Le Maitre, PhD, Sheffield Hallam University, United Kingdom

Vertebral endplate changes and back pain: are there any clinically relevant phenotypes?
Uruj Zehra, PhD, University Health Sciences, Pakistan



Join Us for the Next ORS Virtual Session!

***NIAMS Funding Opportunities and Strategies for Spine
Researchers***

Thursday July 28, 2022

11:00 AM – 12:30 PM (CENTRAL)



Anthony Kirilusha, PhD, Program Director for the Cartilage and Connective Tissue Program at the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) will lead this [virtual session](#) focused on NIAMS Funding Opportunities and Strategies for Spine Researchers.

[Register to Attend](#)



Research Section Member Spotlight

This issue features **Shira Johnston, BS**, Thomas Jefferson University.

[Read More](#)



Journal Article Review

Shira also contributed to this issue's journal article review.

Intervertebral disc degeneration and associated low back pain affects 80% of the human population during their lifetime. Elucidation of how cell phenotypes and biomarkers vary during degeneration can improve diagnostics and treatments.

[Continue Reading](#)



Journal of Orthopaedic Research®

[Volume 40, Issue 6](#)
June 2022

[*Finite element modeling of temporal bone graft changes in XLIF: Quantifying biomechanical effects at adjacent levels*](#)

Vivek A. S. Ramakrishna, Uphar Chamoli, Alessandro G. Larosa, Subhas C. Mukhopadhyay, B. Gangadhara Prusty,
Ashish D. Diwan



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