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The Tendon Conference 2024 is This Week, Registration is Open Until Wednesday



The ORS Tendon Conference 2024: Mechanism to Therapy - Emerging Technologies and Therapeutic Outcomes takes place this week.

Registration is open until Wednesday. This conference will help identify areas of unmet need, improve rigor and reproducibility of research, and share these findings to improve human health. The primary topic areas for the conference are: 1) clinical unmet needs and clinical research to guide future clinical and basic/translational research; 2) assessments of pain as a diagnostic, understanding the mechanistic basis of pain systemically and locally and targeting pain with preventatives and therapeutic strategies; 3) develop consensus and guidelines on multiomics in tendon research; and 4) current research including, and beyond, the identified priority areas. The conference will take place Thursday, May 30 - Saturday, June 1 at the Mayo Clinic in Rochester, MN. (Please note that the event extends into Saturday evening for the Awards Banquet - be sure to book your hotel stay accordingly.)

[Check Out the Conference Program.](#)

The Conference is This Week, May 30 - June 1.

Registration Closes This Wednesday, May 29.

[Register](#)

Upcoming Webinars



The following LearnORS webinars are coming up soon. Registration for the webinars is free for all ORS members.

Harnessing Biomechanics for Meniscus Replacement Solutions

This Wednesday, May 29

12:00 PM Central

This webinar will provide a platform for trainees in the ORS Meniscus Section to present their discoveries, receive feedback on their work, and engage with the community in scientific discussion about the recent development in the field.

[Register](#)

Pain 101: Comprehensive Approaches to Musculoskeletal Pain Assessment and Animal Welfare Monitoring in Preclinical Research

Wednesday, June 5

12:00 PM Central

[Register](#)

Open Call for Webinar Ideas

Do you have knowledge related to orthopaedic research that you would like to share for the benefit of other ORS members? We are currently accepting ideas for new educational or career development webinars that will take place in the second half of 2024. If you have an idea for a webinar, please fill out the form via the link below. All ideas will be reviewed, and ORS staff will be in contact with you if your idea is accepted. Staff will work with you to produce and promote the webinar, and will handle all registration. We look forward to seeing your ideas and working with you.

[Submit Webinar Ideas](#)

Opportunities for Awards and Grants



Applications are now being accepted for the following awards:

The ORS International Section of Fracture Repair ([ISFR](#)) [Interdisciplinary Academic Exchange Award Grant](#) will provide \$5,000 towards a member's visit to a research lab to collaborate and exchange knowledge in the areas of fracture repair and/or bone regeneration research, and it will facilitate the exchange of new research methodologies and techniques. (**Submissions Due June 14**).

The ORS International Section of Fracture Repair ([ISFR](#)) [Lifetime Achievement Award](#) honors highly accomplished individuals who have, throughout their career, demonstrated and promoted the highest values of the ORS ISFR (collaboration, diversity, mentorship, innovation, scientific excellence) in their leadership, service, education, and professional relationships. This prestigious award honors an investigator who has established themselves as a cutting-edge researcher and/or clinician scientist in the areas of fracture repair, bone regeneration, bone biology, or trauma. (**Nominations Due June 14**).

The [Stryker/ORS Women's Research Fellowship](#) awards \$50,000 to promote women in science and provides an opportunity to a female ORS member who is a recent PhD in science or engineering to conduct research in the field of orthopaedic technology. (**Letters of Intent Due June 17**).

[Collaborative Exchange Grants](#) provide investigators at any stage of their career with \$5,000 and an opportunity to visit a research lab for the purpose of collaboration and knowledge exchange. (**Submissions Due June 21**).

[Learn About All Awards](#)

ISFR 3-Minute Research Pitch Competition



The ORS International Section of Fracture Repair (ISFR) will host its **2024 3-Minute Research Pitch Competition** on Wednesday, June 26, 2024 at 12:00 PM Central via Zoom. The call for graphical abstracts is open now, and submissions will need to be received by June 5. Those who are selected to participate will have three minutes to present their work using one slide about what they are working on and why it is important to the field of research of bone biology, bone regeneration, fracture repair, trauma, or related fields. The winner will be featured by the ISFR Communication Committee and will win up to \$500 in prizes.

Abstracts Must be Submitted by June 5.

[Learn More](#)

PSRS Call for Abstracts Now Open



The call for abstracts is now open for the **ORS Philadelphia Spine Research Society (PSRS) 7th International Spine Research Symposium**. The meeting will be held November 10-14 at Skytop Lodge, located in the Pocono Mountains a short drive from Philadelphia, Pennsylvania. This meeting will provide a forum for discussion of the latest research, medical innovations, and the most advanced scholarship in spine research. This symposium will foster a greater understanding of the clinical problems associated with degenerative disc disease and will highlight cutting-edge scientific research in areas of basic biology, epidemiology, disease mechanisms, biomechanics, tissue engineering, and imaging of the intervertebral disc. Registration will open on June 6 and all abstract submissions must be received by July 15.

[Learn More or Submit an Abstract](#)

Basic Science Tips



Basic Science Tips is an ongoing series that features an overview of notable basic science research that is being done by ORS members. The ORS Scientific Communications Committee produces the series monthly, as well as its numerous translations in Chinese, Spanish, Italian, and German, in honor of Dr. Fred Nelson who founded the series. Thank you to the following members who provided translations: Patrick Yeh, Andreas Seitz, Sonja Häckel, Claudia Siverino, Maria Alvarado, and Hugo Giambini. If you would like to help translate Basic Science Tips to other languages, please contact Mia Huang at mh2467@cornell.edu.

Mechanical Loading and Modeling-Derived Cellular Responses

Bone adapts its structure according to the external force that it experiences. This is the result of bone cells responding differently under different mechanical stimulation types and patterns. Molecular signals, such as sclerostin, RANKL, OPG, cathepsin K, and periostin have been reported to participate in bone modeling and remodeling. However, how these proteins have been regulated in the cells in response to different mechanical stimulations in vivo is still unclear. Due to the structure of the bone, the strain distribution in the loaded tibia varies at different locations. Thus, the authors used micro-computed tomography (μ CT), finite element (FE) modeling, and histology staining to identify strain distribution in mouse tibia, bone modeling/remodeling events in response to uniaxial tibial loading, and cellular responses at different locations (tension and compression regions).

[Read More](#)

Advance Your Career with Online, On-Demand Education from LearnORS

Online Training for Career Development

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LearnORS is the online education platform from the ORS and it offers a variety of courses to help with career development training for individuals and for those in residencies. Courses are available separately or in a bundle, with discounts available to ORS members.

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Principles of Clinical Research
New Investigator Toolkit
Orthopaedic Basic Science Course

The LearnORS platform offers countless benefits to residency programs, including a Residency Bundle option, and online access to manager's reports that monitor learners' progress and performance data. Upon finalization of the courses, learners will receive a certificate of completion. Enrollment is simple and discounted rates are available for multi-learner and multi-course enrollment.

Learn online, on demand, on your own schedule with LearnORS.

[Learn More About LearnORS](#)

Order Your ORS 70th Anniversary T-Shirt



Get your own special, limited edition, commemorative **ORS - 70 Years Advancing Research to Keep the World Moving** T-Shirt. This is a great way to share your support for the organization and your enthusiasm for musculoskeletal research. Order them for your team and let the world see how fashionable orthopaedic research can be! Just click the link below, and with a \$20 donation to ORS and shipping, we will send you a shirt.

[Order T-Shirts](#)

Connect with ORS on Social Media



Keep up with the latest on the ORS and the orthopaedic community by connecting with us on social media. The ORS posts regularly on [Facebook](#), [Instagram](#), [Twitter \(X\)](#), [LinkedIn](#), and [TikTok](#). Please follow us, share our posts with your connections, invite others, and tag us when you have good information to share. Together we can help spread the word far and wide about the importance of orthopaedic research.

Follow *Journal of Orthopaedic Research* on [Twitter \(X\)](#) and [LinkedIn](#), and *Journal of Orthopaedic Research - Spine* on [Twitter \(X\)](#) and [LinkedIn](#).

Find Your Next Opportunity at the ORS Career Center



Check out the ORS Career Center to post jobs, post a resume, create a profile, find jobs, apply, or sign up for job alerts. The Career Center offers: Career Coaching, Resume Writing, Reference Testing, and a Career Learning Center. Check out this important resource today.

[Visit the ORS Career Center](#)

Find or Post Events on the Orthopaedic Events Calendar



The Orthopaedic Events Calendar on the ORS website lists events that are of potential interest to those in the orthopaedic community. ORS Members are welcome to submit applicable events at no charge through the Submit Event button at the top of the calendar on the site. This is an excellent opportunity to spread the word about your orthopaedic-related events, ensuring they reach a wider and engaged audience.

[Find or Post Events](#)

Mark Your Calendar!

[Registration Closes for the Tendon Conference](#)

Tomorrow - Wednesday, May 29, 2024

[Webinar: Harnessing Biomechanics for Meniscus Replacement Solutions](#)

Tomorrow - Wednesday, May 29, 2024, 12:00 PM Central

[ORS Tendon Conference 2024: Mechanism to Therapy – Emerging Technologies and Therapeutic Outcomes](#)

This Week, May 30 - June 1, 2024

Mayo Clinic, Rochester, MN

[Registration Opens for ORS ISFR/OTA BSFF Joint Meeting](#)

June 3, 2024

[Abstracts Due for the ISFR 3-Minute Pitch Competition](#)

June 5, 2024

[Webinar: Pain 101: Comprehensive Approaches to Musculoskeletal Pain Assessment and Animal Welfare Monitoring in Preclinical Research](#)

June 5, 2024, 12:00 PM Central

[Registration Opens for the 2024 Philadelphia Spine Research Symposium \(PSRS\)](#)

June 6, 2024

[Submissions Due for ISFR Interdisciplinary Academic Exchange Award Grant](#)

June 7, 2024

[Nominations Due for ISFR Lifetime Achievement Award](#)

June 14, 2024

[Submissions Due for Stryker/ORS Women's Research Fellowship](#)

June 17, 2024

[Call for Abstract Submission Opens for the ORS 2025 Annual Meeting](#)

June 17, 2024

[Submissions Due for Collaborative Exchange Grants](#)

June 21, 2024

[Abstracts Due for the ORS Philadelphia Spine Research Society \(PSRS\) 7th International Spine Research Symposium](#)

July 15, 2024

[Abstract Submissions Due for the ORS 2025 Annual Meeting](#)

August 26, 2024

[International Society for Technology in Arthroplasty \(ISTA\) Meeting](#)

August 28 - 31, 2024

Nashville, TN

[2024 Clinician Scholar Career Development Program](#)

October 3 - 5, 2024

Rosemont, IL

[ORS ISFR/OTA BSFF Joint Meeting](#)

October 21 - 23, 2024

Montréal, Canada

[2024 Philadelphia Spine Research Symposium \(PSRS\)](#)

November 10 -14, 2024

Skytop, PA

[Dates, Events, and People in Orthopaedic History](#)

We would like to continue to note important people, dates, and accomplishments in the history of orthopaedics in *ORS Connect*. If you have something or someone that should be recognized, particularly around days, weeks, or months of a specific dedication, **please [click here](#) to submit your information.**



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Orthopaedic Research Society

9400 W. Higgins Road, Ste. 225

Rosemont, Illinois 60018

(847) 823-5770

ors@ors.org

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Orthopaedic Research Society • 9400 West Higgins Road, Suite 225, Rosemont, Illinois 60018, United States • [8478235770](tel:8478235770)

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