ORS Membership Renewal

On October 4, members will be able to renew membership for 2024 so they can continue to take advantage of all the benefits that come from being a part of the ORS. These benefits include: significantly reduced admission to the 2024 Annual Meeting which takes place February 2-4 in Long Beach, CA; eligibility for awards and grants; access to members-only events and information; discounts on LearnORS online educational resources; career building opportunities; numerous chances to network with other members who share a passion for musculoskeletal research; and much more. Keep a lookout for emails with renewal links, billing info, etc. in the coming weeks.

Preparing for the 2024 Annual Meeting

Be a part of history when ORS celebrates 70 Years of Advancing Research to Keep the World Moving at the 2024 ORS Annual Meeting, February 2-6 in Long Beach, CA. The meeting brings the
orthopaedic community together for five days of workshops, learning sessions, networking, and advocacy. Attendees from many disciplines and career levels will network and learn about the latest innovations in orthopaedics.

Be sure to check out the recently announced [lineup of spotlight speakers and their topics](#).

**Business Innovation Competition**

The ORS Business Innovation Competition will take place at the Annual Meeting. The event provides the opportunity for early-stage companies, clinicians, researchers, and students who have a great idea or technology to present their concepts to benefit the field of musculoskeletal research. The winner will participate in a program with mentors who will help them bring their idea “from bench to market” by validating the market potential of their idea, and then developing a commercialization plan. For more information or to submit your application, please see the link below. **The summary deadline is October 6.**

[Apply for the Business Innovation Competition](#)

**Award with Complimentary Registration for Qualifying Students**

In an effort to help the next generation of musculoskeletal researchers from underrepresented backgrounds, the ORS will offer complimentary registration for up to two undergraduate students from participating institutions to attend the Annual Meeting. The students must currently be enrolled in an undergraduate program in a STEM major, have an interest in orthopaedic research and/or medicine, should not have attended a past ORS Annual Meeting, and they should be in the geographical area of the nominating institution. The ideal candidate for this award must identify as a member of at least one underrepresented group in Science, Technology, Engineering, or Math (STEM) as follows:

- Race and ethnicity: American Indian or Alaska Native, Black or African American, Hispanic or Latino, Native Hawaiian or other Pacific Islanders
- Other factors include:
  - Disability
  - LGBTQIA+
  - Gender identity and expression
  - Veteran status
  - First generation college
  - Socioeconomic status

This program is a nationwide expansion of a successful initiative of the McKay Orthopaedic Research Laboratory at the University of Pennsylvania.

Please contact Karey Hyland of ORS at [hyland@ors.org](mailto:hyland@ors.org) by Next Monday, October 2 for any questions or if you would like to nominate a student to be part of this program.
Exhibit at the Annual Meeting

If you or someone you know is a member of an organization that could benefit from showcasing its products, resources, or services in front of 2,500 highly engaged orthopaedic researchers and professionals, there is a great opportunity to exhibit at the 2024 ORS Annual Meeting. The exhibit hall will have regular heavy traffic of researchers, biologists, and engineers who are attending the event. For more information or to book a booth space, please click the link below. Booth selection is on a first come basis.

Hotel Reservations and Registration

Hotel reservations for the Annual Meeting are open now. Event registration will open on October 10.

Award Spotlight

The Following Two Award Nominations are Due Today!

**Marshall R. Urist, MD Award**

This award honors an investigator in tissue regeneration research who has a sustained ongoing body of focused research in the area of tissue regeneration as it relates to the musculoskeletal system. [CLICK HERE](#) for more information or to nominate an ORS member.

**The ORS Outstanding Achievement in Mentoring Award**

The ORS Outstanding Achievement in Mentoring Award celebrates the commitment of the outstanding mentors in our community who promote the success of new investigators in the pursuit of independent orthopaedic research careers. [CLICK HERE](#) for more information or to nominate an ORS member.
Please Note: the ORS/ISFR Interdisciplinary Academic Exchange Grant submission deadline has been extended to October 1.

Learn About All Awards

LearnORS PRESENTS

Wednesday Webinar: Basic Science, Clinical, and Translation Research of the Meniscus, Recent Advances

This Wednesday, September 27, 2023
12:00 pm – 1:00 pm Central Time

This virtual scientific session will highlight recent advancements in basic science, clinical, and translation research of the meniscus while providing a platform for trainees, early career, and established researchers to present their exciting research to their peers in the field and the meniscus community worldwide.

Organized by:
The ORS Meniscus Section
Jay Trivedi, PhD, Rebecca Irwin, PhD, and Francesco Travascio, PhD

Register

Year-Long Online Education from LearnORS

LearnORS, the online education platform from the ORS, offers a complete learning experience in a format designed to meet learners’ educational needs. Each LearnORS course delivers eLearning training materials from one online location. ORS Members receive a discounted rate for all courses.

Users can now purchase multiple licenses without immediately identifying courses. This is a great new option for lab purchases.

Residency programs and newly matched medical students are encouraged to take advantage of our special LearnORS Residency Bundle. This is a bulk option for a residency program to purchase discount access to all LearnORS courses for as many residents as they have in their program.
Individuals can also purchase the courses offered in the Residency Bundle, or create a custom bundle to fit their specific educational needs at a discounted price.

Learn More

Check out the article about LearnORS that was featured in the August/September issue of AAOS Now.

Basic Science Tips

In 2022, the ORS lost a giant, Dr. Fred Nelson. Fred was a member of the ORS for almost 50 years. Through his clinical perspective, Fred’s myriad contributions to the society have advanced both basic and translational research. He was a longstanding member of the Scientific Communications Committee, and he pioneered the Basic Science Tips series.

The ORS Scientific Communications Committee continues Basic Science Tips in hopes of honoring the legacy of Fred. Currently, ORS Basic Science Tips are written by ORS Scientific Communications Committee members Mia Huang and Hugo Giambini, PhD. Translations are available in Chinese, German, and Italian. Special thanks to these translators and proofreaders: Mingyue Fan, Baixing Chen, Luca Ambrosio, Elena Della Bella, Sebastian Wängler, Franziska Breulmann, and Sonja Häckel.

Collagen XII is a Critical Regulator of Supraspinatus Tendon Mechanics and Collagen Fiber Realignment Across Sex

Collagen XII is a Fibril-Associated Collagen that regulates collagen fibril assembly and is primarily expressed throughout tendon growth and development. Mutations in the Col12a1 gene result in myopathic Ehlers-Danlos syndrome, a connective tissue disorder leading to distal joint hypermobility and contracture. The role of collagen XII on the supraspinatus (SSP) tendon, which experiences a complex region-specific loading environment within the rotator cuff of the shoulder, remains unknown. Researchers hypothesized that tendon-targeted deficiency and knockout of collagen XII would result in decreased SSP tendon whole-tissue and regional elastic mechanics, whole-tissue viscoelasticity, and regional collagen fiber realignment across sex.

Read More

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**

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**Sign Up Early for the ORS Turkey Trot to Promote Research**

This November, the ORS will host the inaugural **ORS Turkey Trot Virtual Race to Research**. Participants from any location are encouraged to walk or run to raise money for orthopaedic research. Gather with your family, friends, lab, or other team members to join this fun event to help improve the quality of life for those with musculoskeletal disorders. Your **Race to Research** should take place between Sunday, November 19, 2023, and Sunday, November 26, 2023. Prizes and bragging rights will go to the successful individual and team that complete the race in the best time.

**Register**

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**Conversations with Kurt**

*Conversations with Kurt* will not be taking place this month, but you can access video recordings of previous sessions, including topics important to ORS members, such as volunteering at the ORS, submitting abstracts for the Annual Meeting, and many more. Video recordings of *Conversations with Kurt* are available for viewing.
Kurt sessions are available to ORS members through the Memberclicks portal. Just [click here](#) and look for the last item under Quick Links on the right side of your page.

**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.

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**Find or Post Events on the Orthopaedic Events Calendar**

An orthopaedic events calendar has been added to the ORS website. The events listed 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. Institutions or sponsors interested in posting an event are welcome to do so in exchange for a donation to ORS. For information, please email [ors@ors.org](mailto:ors@ors.org).
Mark Your Calendar!

ORS 2024 Annual Meeting
Nominations Due for Marshall R. Urist, MD Award
Tonight, September 25, 2023

ORS 2024 Annual Meeting
Nominations Due for the ORS Outstanding Achievement in Mentoring Award
Tonight, September 25, 2023

LearnORS Presents a Virtual Scientific Session:
Basic Science, Clinical, and Translation Research of the Meniscus, Recent Advances
This Wednesday, September 27, 2023
12:00 pm – 1:00 pm Central Time

The Association of Bone and Joint Surgeons
Nominations Due for the Nicolas Andry Lifetime Achievement Award
September 30, 2023

ORS 2024 Annual Meeting
Submissions for the ORS/ISFR Interdisciplinary Academic Exchange Grant
Extended to October 1, 2023

ORS 2024 Annual Meeting
Nominations Due for Complimentary ORS Annual Meeting Registration for Undergraduate, Underrepresented STEM students
October 2, 2023

ORS Membership Renewal Opens
October 4, 2023

ORS 2024 Annual Meeting
Business Innovation Competition Summary Deadline Closes
October 6, 2023

ORS 2024 Annual Meeting
Registration Opens
October 10, 2023

ORS 2024 Annual Meeting
Call for Late Breaking Abstracts
October 16, 2023

NASS 2023 Annual Spine Meeting
October 18-21, 2023
Los Angeles, CA

LearnORS Presents a Virtual Scientific Session:
A Virtual Scientific Session: Ball & Socket Breakdown: A Beginner’s Guide to Hip and Shoulder Arthroplasty – An Interactive Q&A Session with Surgeons
LearnORS Presents a Virtual Scientific Session:
**Navigating the NIH Diversity Supplement: Tips and Tricks for a Successful Application from Program Officers and Prior Awardees**

October 25, 2023
12:00 pm – 1:00 pm Central Time

**2023 Philadelphia Spine Research Society (PSRS) Symposium**
November 3, 2023
Drexel University, Philadelphia, PA

**ORS Turkey Trot Virtual Race to Research**
November 19 - 26, 2023

**ORS 2024 Annual Meeting**
February 2 - 6, 2024
Long Beach, California
Information and Registration Coming Soon

**ORS Tendon Conference 2024: Mechanism to Therapy – Emerging Technologies and Therapeutic Outcomes**
May 30 - June 1, 2024
Mayo Clinic, Rochester, MN

**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](mailto:ors@ors.org).

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