Happy New Year! We are very excited to kick off 2024 in the right way, and we are very busy preparing for the 2024 ORS Annual Meeting, which is now just a month away. We hope you are as excited as we are, and we look forward to seeing everyone there.

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. **Registration for the 2024 Annual Meeting is open.**

Maximize your 2024 ORS Annual Meeting experience by attending a special **Know Before You Go** webinar, January 17, at 11:00 Central. This session will provide guidance on how to make the most of your time at the meeting, what you can expect, and how to best engage as a presenter or participant. We will also discuss the events at the Annual Meeting, as well as research sections, logistics, opportunities to connect, membership, what to pack, and much more. Join us to make your ORS Annual Meeting experience all it can be. Bring your questions.

Hotel reservations are now being accepted. Reserve your room today to make sure you secure the right room for you. Each option is located near the event site. **Be sure to book your room soon to take advantage of the discounted ORS room block.**
The deadline for hotel reservations is Friday, January 19, 2024, and rooms are subject to availability.

Please Note: Some members have reported receiving spam emails from sources unrelated to our hotel block or related partners. Please disregard these emails and make sure to only book your hotel using our preferred partners at Passkey via the link below. If there is any doubt about the hotel information you are receiving, please contact us at ors@ors.org before booking.

Looking for a Roommate for the Annual Meeting?
If you are looking for a roommate for the Annual Meeting, check out our Facebook group page to connect with others who might also be looking. (Note that members who choose to room together at the ORS Annual Meeting do so at their own discretion. Neither the ORS, the Annual Meeting hotels, Long Beach Convention Center, sponsors, exhibitors, nor any party associated with the event assumes any responsibility for any activity which may occur while residing at the event).

Awards Spotlight

The following award submission deadlines are coming up next week:

**2024 Spine Section Diversity Stipend Awards**
*Deadline for submissions: Next Monday, January 8*
The goal of these awards is to increase diversity and equitable access to spine research. [CLICK HERE](#) for more information or to submit a nomination.

**ORS/ON Foundation Orthoregeneration Award**
*Deadline for submissions: Next Wednesday, January 10*
The ON Foundation and the ORS are collaborating to advance orthopaedic tissue regeneration. [CLICK HERE](#) for more information or to submit a nomination.

Learn About All Awards
LearnORS has just launched the *New Investigator Toolkit*. The toolkit addresses common gaps in training that surface during the launch of an independent laboratory. These online sessions bring together early and mid-career investigators for panel discussions on the development of critical "soft-skills" such as cultivating mentoring skills, building your lab brand, and strategic planning through different career stages. In addition, sessions of budgeting and peer-review provide tangible tips for these important aspects of managing your lab and building your career. This course is available now, online, on demand, on your own schedule.

**Learn More**

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**Renew Your ORS Membership**

ORS members, you can now renew your membership for 2024 so you can continue to take advantage of all the benefits that come from being a part of the ORS. By renewing, you'll stay connected with a dynamic network of orthopaedic professionals, gain access to cutting-edge...
research and industry insights, forge valuable connections through networking opportunities, enhance your personal and professional growth with tailored webinars, and unlock exclusive perks such as special discounts and offers available exclusively to ORS members. When renewing, please also consider joining an ORS Section. An ORS Section is a small, intimate community of like-minded peers that promote the common interest of ORS members in a specific area of research related to orthopaedics.

Note: Please do not share the access information for your membership account with anyone else, even others on staff at your organization (who might be charged with renewing your membership). Doing so might compromise, even if accidentally, your account history.

Renew Your ORS Membership Today

Tendon Conference 2024
Call for Abstracts is Now Open

The call for abstracts is now open for the ORS Tendon Conference 2024: Mechanism to Therapy - Emerging Technologies and Therapeutic Outcomes. The conference will take place May 30 - June 1 at the Mayo Clinic in Rochester, MN. The conference will provide a forum to present and discuss the latest research, important emerging technologies including multiomics, address the lack of robust understanding of pain in connective tissue disorders, and to highlight clinical unmet needs and the importance of clinical research. The conference will serve as a platform for mentoring trainees, fostering collaborations and driving the rigorous research to advance the field of tendon research. Abstracts submitted or presented at this meeting can also be submitted for the 2025 ORS Annual Meeting. For more information or to submit an abstract, please click the link below. Submissions must be received by March 1, 2024.

Learn More

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, Italian, and Spanish. Thank you to the following members who provided translations: Patrick Yeh, Shuyang Han, Melanie Haffner-Luntzer, Nicole Dvorak, Franziska Breulmann, Elena Della Bella, Claudia Siverino, Maria Fernanda Alvarado, and Julia Andraca Harrer. If you would like to help translate Basic Science Tips to other languages, please contact Mia Huang at mh2467@cornell.edu.

What is the Optimal Femoral Stem Flexural Rigidity in a THA Surgery?
Adverse local tissue reactions (ALTRs) after total hip arthroplasty (THA) due to implant wear debris and corrosion may necessitate premature revision surgery. Micromotion at the head-neck junction of modular THAs could lead to fretting and corrosion. Lower implant stiffness as measured by flexural rigidity (FR) is associated with increased fretting and corrosion, suggesting that implant material and structural composition are important factors in the generation of ALTRs. Magnetic resonance imaging (MRI) and histopathology are implemented to detect the presence of ALTRs, but how MRI outcomes relate to FR of failed THAs is unknown. This study investigated if implant FR’s are associated with MRI imaging metrics and histopathological outcomes.

Editor's Pick
The Influence of Ruptured Scar Pattern of Human Anterior Cruciate Ligament Remnant Tissue on Tendon-Bone Healing in Vivo

The purpose of this study was to determine whether the transplantation of human cells from a non-re附ed injured anterior cruciate ligament (ACL) remnant could enhance tendon-bone healing. Human ACL remnant tissue was classified into two groups based on the morphologic pattern as per Crain's classification: (1) non-reattachment group (Crain IV) and (2) reattachment group (Crain I–III). Seventy-five 10-week-old immunodeficient rats underwent ACL reconstruction followed by intracapsular administration of one of the following: (1) ACL-derived cells from the non-reattachment remnant (non-reattachment group) ($n = 5$), (2) ACL-derived cells from the reattached tissue (reattachment group) ($n = 5$), or (3) phosphate-buffered saline (PBS) only (PBS group) ($n = 5$). Histological (Weeks 2, 4, and 8), immunohistochemical (Week 2), radiographic (Weeks 0, 2, 4, and 8), and biomechanical (Week 8) assessments were performed.

$150K in Funding Available from OREF
OREF is accepting applications for biologic allograft, orthobiologic, youth sports research, and supplemental support for NIH K grants. Over $150,000 is available. Applications will be due February 8, 2024.

- **OREF/MTF Biologics Research Grant** provides $100,000 for research focused on the science of biologic – reconstruction, bone regeneration, transplantation – allografts, and including stem cells for graft transplantation.
- **OREF/AAOS Clinical Gaps Research Grant** provides $50,000 for research focused on the broad area of injectable orthobiologics for the treatment of knee osteoarthritis.
- **Prevention of Musculoskeletal Youth Sports Injuries Grant** provides $25,000 in startup funding or seed money for a new investigator conducting clinical and/or social research on the prevention of musculoskeletal youth sports injuries.
- **Mentored Clinician Scientist Grant** provides $20,000 for the development of new clinician scientists who have demonstrated success as both a clinician and a researcher. This grant allows investigators to spend dedicated time in research for a period of up to five years to develop a long and productive career in academic surgery.

Learn More or Apply

Connect with ORS on Social Media

Stay Updated on Your Global Orthopaedic Research Community

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.

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. This is an excellent opportunity to spread the word about your orthopaedic-related events, ensuring they reach a wider and engaged audience.

Mark Your Calendar!

2024 Spine Section Diversity Stipend Award Submissions Due
January 8, 2024
ORS/ON Foundation Orthoregeneration Award Submissions Due
January 10, 2024

The ORS 2024 Annual Meeting
Know Before You Go Webinar
January 17, 2024

ORS Annual Meeting Hotel Room Block Closes
January 19, 2024

ORS 2024 Annual Meeting
February 2 - 6, 2024
Long Beach, California

ORS Tendon Conference 2024: Mechanism to Therapy – Emerging Technologies and Therapeutic Outcomes
Call for Abstracts Closes
March 1, 2024

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.

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

Connect with ORS on Social Media: