Recognizing Our Volunteers

April is National Volunteer Month in the US and Canada. Thank you to our volunteers for all that you do for the organization and for musculoskeletal research. Following are a few quotes that were submitted by members about the benefits of volunteering:

"As a new member of the ORS, I am excited about the potential to contribute as a volunteer. I am particularly interested in leveraging my experience to support the ORS's initiatives, such as organizing educational events or mentoring younger researchers. I would also like to highlight the contributions of Bruno C. Menarim, whose work in the same field has been invaluable. His dedication to promoting orthopedic research through innovative work has not only increased awareness but also inspired many to get involved in volunteering." - Md. F. MF Kulyar

"I thoroughly enjoyed working on the DEI committee. Great experience trying to make ORS a more diverse, equitable, and inclusive organization." - Ryan M. Chapman

"I have been volunteering with the ORS since the 2020 Annual Meeting, where I was onboarded onto the Public Outreach Committee. Since then, it's been highly rewarding to work closely with my colleagues, peers, and ORS staff on large-scale initiatives and professional development opportunities focused on science communication, STEM outreach, and advocacy. I never expected to chair a committee as a trainee, but it's been a highlight of my academic career to date as I've had the pleasure of advancing broader efforts within the ORS that I feel passionate about while also onboarding exceptional folks into their first ORS volunteer positions." - Jason C. Marvin
"I have been a member of ORS for more than a decade. Throughout the years, I have had the privilege of serving as a volunteer in various capacities, including abstract reviewer, podium session moderator, and function committee member. In my experience, ORS stands as a remarkable community that bridges the gap between academic and industrial researchers and engineers committed to advancing orthopedic research and developing solutions. Volunteering has not only provided me with ample opportunities to engage with fellow members but has also deepened my sense of involvement in this noble mission." - Bo Gao

"The DEIA Committee launched the ORS Underrepresented Minority (URM) Undergraduate Travel Program at the 2023 Annual Meeting. This program allows eligible undergraduate students who are interested in orthopaedics to attend the conference for free. Approximately 20 undergraduate students from around the country attended in 2023, and that number jumped to ~30 in 2024. For many of the students, the ORS Annual Meeting is the first conference of their life. Seeing the students enthusiastically absorb all of the exciting research, career development, and networking opportunities that the ORS has to offer is the best reward of all." - Feini Qu

"I am the Education Chair of the Meniscus Section, and being involved in Section leadership has helped me be more engaged with the community and build stronger connections at the Annual Meeting and virtually year-round. I've also been involved with the ORS Open Door outreach event the past two years which is an incredible experience for the ORS volunteers and the local communities." - Rebecca M. Irwin

The Next Call for Volunteers will be in July 2024.

Suggestions and Ideas Due Today for the ORS 2025 Annual Meeting

2025 ANNUAL MEETING
February 7 – 11, 2025 | Phoenix, AZ

The ORS Scientific Program Committee is now seeking workshop applications for the ORS 2025 Annual Meeting which will be held February 7-11, 2025 in Phoenix, Arizona. Workshops will cover a
wide variety of topics representing basic, translational, and clinical research, as well as innovative technologies.

**Workshops will include:**

- **Scientific Workshop** – cutting-edge musculoskeletal research (i.e. refined juvenile animal models for pediatric musculoskeletal research to improve lifelong health)
- **Science and Technology Workshop** – in collaboration with an industry partner (i.e. additively manufactured implants - how far have we advanced on material safety and characterization?)
- **Crosstalk Workshop** – highlighting interactions between clinical and basic approaches to musculoskeletal problems (i.e. understanding pain in musculoskeletal disease: molecular and clinical insights)

**The goals of the workshops:**

1. To educate our attendees about exciting research and novel skills.
2. To promote collaborative effect approaches to address orthopaedic/musculoskeletal diseases and treatment challenges.

Workshops focusing on aging, multi-organ/tissue crosstalk (i.e. bone-cartilage), AI/big data, and circular translational research to improve models are encouraged.

**Applications Due Today.**

The ORS Research Council is seeking ideas for **Symposia, Back to Basics, and Bench to Bedside sessions** for the ORS 2025 Annual Meeting.

**Symposia** will engage the audience in a dialogue about a hot topic and/or emerging paradigm in orthopaedic science. These forward-looking topics should bridge basic and clinical research, and integrate academic, health, regulatory, and industry perspectives.

**Back to Basics** sessions will bring foundational knowledge and historical perspective to meeting attendees, highlighting important discoveries made 30+ years ago and how they have influenced the field.

**Bench to Bedside** will be innovative sessions that bring together clinicians, basic scientists, and clinical trial experts.

**Ideas Due Today.**
We are currently looking for **suggestions for potential Spotlight Speakers** at the 2025 ORS Annual Meeting. If interested, you are welcome to submit any speaker ideas (who can be ORS members or non-members), and topics/talk titles.

**Suggestions Due Today.**

Abstract submission for posters and presentations for the ORS 2025 Annual Meeting will take place from June 17 - August 26, 2024. More information will be provided soon.

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This Wednesday: New Members, Join Us for an ORS Orientation

If you are a new ORS member, please join us this Wednesday for an orientation where we will provide information on the structure of ORS, the benefits of membership, the opportunities for networking and career development, and much more. Bring any questions you have. We are here to help make your ORS membership all that it can be.

**New ORS Member Orientation**
This Wednesday, April 24
12:00 PM Central
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: Baixing Chen, Patrick Yeh, Melanie Haffner-Luntzer, Nicole Dvorak, Luca Ambrosio, Giulia Crosio, Maria Fernanda Alvarado, and Rodolfo de la Vega. If you would like to help translate Basic Science Tips to other languages, please contact Mia Huang at mh2467@cornell.edu.

Lactation-Induced Perilacunar/Canalicular Remodeling (PLR) Inhibition
Accelerated Bone Loss in Lactating Mice

Due to infant growth and milk production during female pregnancy and lactation, the maternal skeleton experiences substantial mineral loss and structural deterioration, followed by partial recovery after weaning. During the lactation process, osteocytes resorb the surrounding maternal bone matrix through perilacunar/canalicular remodeling (PLR), resulting in a transient increase in the dimensions of the lacunar canalicular system (LCS). This PLR-mediated increase in LCS dimensions may amplify the sensitivity and transduction of osteocytes in response to mechanical signals and therefore improve the tissue-level mechanoadaptation of the maternal skeleton. However, the exact role of PLR in regulating maternal bone adaptations during lactation is unclear. The authors hypothesized that abolishing osteocyte-PLR would prevent lactation-induced changes in the pericellular matrix and LCS dimensions of osteocytes, leading to more significant bone loss and microstructural deterioration in maternal skeletons.
Pathology 101: Look Before You Leap!
Histopathology Tips and Tricks for Preclinical Orthopedic Models

Wednesday, May 1
12:00 PM Central

Julie Engiles, VMD, Professor of Pathology at the University of Pennsylvania, School of Veterinary Medicine (PennVet), will address how to prepare grant proposals to successfully include histopathologic outcomes, considerations when using large animal preclinical orthopedic models, and utility of different histochemical stains within these models.

Organized by:
ORS Preclinical Models Section

Register

Incorporating Undergraduates in Your Research Program

Wednesday, May 15
12:00 PM Central

Undergraduate research experiences increase the likelihood of pursuing graduate school and research career. Further, these research experiences decrease attrition for underrepresented groups. However, there are important considerations for including undergraduates in research, including potentially
shorter timelines for performing research, and unique considerations for mentoring and training. The purpose of this Virtual Career Development Session is to discuss challenges and solutions for maximizing the benefit of undergraduate research experiences for the student and mentors. In this session, speakers with substantial experience and training in mentoring undergraduates will share their knowledge and perspectives about mentoring undergraduates in research.

Organized by:
ORS Career Development Committee

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Call for Fracture Repair Abstracts is Now Open for the ISFR/BSFF Joint Meeting

The ORS International Section of Fracture Repair (ISFR) and the Orthopaedic Trauma Association (OTA) Basic Science Focus Forum (BSFF) will collaborate for a joint session that will take place October 21-23, just prior to the OTA Annual Meeting, October 23-26 in Montréal, Canada. The call for abstracts is now open and all submissions must be received by May 20.

The ISFR event is intended to foster growth and innovation in the field of fracture repair, bone regeneration, and orthopaedic trauma. This cross-disciplinary meeting aims to bring together scientists, clinicians, engineers, and trainees with the goal of presenting pre-publication work and exchanging ideas that will drive advancement in the field.

The OTA is an international organization of orthopaedic surgeons and medical professionals dedicated to the care and treatment of patients with injuries to the musculoskeletal system, especially fractures and dislocations.

Registration for the event will open June 3.
Abstracts Must be Submitted by May 20.

Register for the Tendon Conference 2024

Join us for the ORS Tendon Conference 2024: Mechanism to Therapy - Emerging Technologies and Therapeutic Outcomes. The conference will take place Thursday, May 30 - Saturday, 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. Registration is open now, but registration costs will increase on April 30. For those who submitted abstracts, please note that the notification letters will be sent this week.

ISFR Three-Minute Pitch Competition

The ORS International Section of Fracture Repair (ISFR) will host its 2024 Three-Minute Research Pitch Competition on Wednesday, June 26, 2024 from 12:00 pm - 1:30 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 Received by June 5.

Learn More

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

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.

**Courses Include:**

- Enhanced Writing and Publication Skills
- The Art of Grant Writing
- 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.
OREF 2024 Resident Research Symposia

Orthopaedic Research and Education Foundation (OREF) will kick off its 2024 Resident Research Symposia season with two symposia in May:

The Midwest Symposium, co-hosted with OREF, by Rush University and University of Illinois at Chicago, will be held May 3 in Rosemont, IL.

The Mid-Atlantic Symposium, co-hosted with OREF, by Medstar Health, Medstar Georgetown University Hospital, will be held May 11 in Washington D.C.

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.

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.
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.

Mark Your Calendar!

Workshop Applications Due for the ORS 2025 Annual Meeting
Today, April 22, 2024

Symposia and Session Ideas Due for the ORS 2025 Annual Meeting
Today, April 22, 2024

Spotlight Speaker Ideas Due for the ORS 2025 Annual Meeting
Today, April 22, 2024

New ORS Member Orientation
This Wednesday, April 24, 2024, 12:00 PM Central
Webinar: Pathology 101 - Look Before You Leap! Histopathology Tips and Tricks for Preclinical Orthopedic Models
May 1, 2024, 12:00 PM Central

Webinar on Women in Science Mentorship
May 2, 2024, 11:00 AM Central

Webinar: Incorporating Undergraduates in Your Research Program
May 15, 2024, 12:00 PM Central

Abstracts Due for the ORS ISFR/OTA BSFF Joint Meeting
May 20, 2024

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

Abstracts Due for the ISFR Three-Minute Pitch Competition
June 5, 2024

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
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.