



Register for the International Musculoskeletal Biology Workshop

The 50th International Musculoskeletal Biology Workshop will take place July 22 - 27 at Zermatt Utah Resort and Spa in Midway, Utah. This workshop will identify problems in musculoskeletal disease and experimental approaches that provide solutions. Concepts debated at the Musculoskeletal Biology Workshops have had, and continue to have, a strong impact on the study of skeletal physiology and disorders. All investigators interested in increasing understanding across the many disciplines that study musculoskeletal and mechano-biology are encouraged to attend.

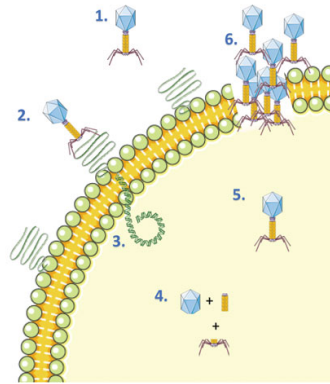
The hotel reservation deadline is Monday, June 19. Information on hotel reservations, how to connect with potential roommates, how to share a ride from the SLC airport, and more can be found at the link below.

[Register Today](#)

An Important New Article on Use of Artificial Intelligence Applications in Scientific Papers

A new editorial was just published which addresses the issue of artificial intelligence (AI) use in orthopaedic research. It was published concurrently in four journals, including: *the Journal of*

Bacteriophage steps needed to lyse a bacterium



From the article by Doub et al., page 1098

WILEY
ISSN 0736-0266

Orthopaedic Research, Clinical Orthopaedics and Related Research, the Bone and Joint Journal, and the Journal of Bone and Joint Surgery. AI large language models can provide some potential benefits in research publication but, this editorial states, misuse of AI tools can undermine the integrity of the scholarly record. The practice of considering large language models as authors is inappropriate. A few possible concerns, among others, are that their use might produce inaccurate or out of date material, that they may conjure up “sources” that do not exist, or they may generate “plausible-sounding but incorrect or nonsensical answers.”

The editorial boards of the four journals have agreed on the following standards concerning AI applications that create text, tables, figures, images, computer code, and/or video:

1. AI applications cannot be listed as authors.
2. Whether, and how, AI applications were used in the research or the reporting of its findings must be described in detail in the Methods section, and should be mentioned again in the Acknowledgments section.

[Read the Full Article](#)

ORS Member Spotlight

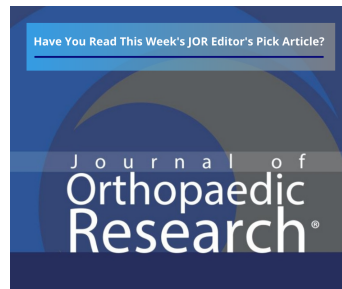


Meet ORS Member, Amy Lenz, PhD from the University of Utah, Department of Orthopaedics. Amy entered orthopaedic research in order to help unite the efforts of surgeons and engineers, and to help improve the function, long-term outcomes, and quality of life for those who have foot and ankle issues. Her current interest is in the study of foot and ankle orthopaedic biomechanics. Learn more about Amy and her research through the link below.

If you, or someone you know, would be interested in being featured in the ORS Member Spotlight, please email [Chima Maduka](#) of the ORS Scientific Communications Committee. We are particularly interested in featuring those in underrepresented groups in STEM.

Meet Amy

JOR Editor's Pick



The Journal of Orthopaedic Research® (JOR) is an official journal of the ORS. The following article is the JOR Editor's Pick from the April 2022 issue.

[Sex Differences in Systemic Bone and Muscle Loss Following Femur Fracture in Mice](#)

Fracture induces systemic bone loss in mice and humans, and a first (index) fracture increases the risk of future fracture at any skeletal site more in men than women. The etiology of this sex difference is unknown, but fracture may induce a greater systemic bone loss response in men. Also sex differences in systemic muscle loss after fracture have not been examined. We investigated sex differences in systemic bone and muscle loss after transverse femur fracture in 3-month-old male and female C57BL/6J mice.

Volume 40, Issue 4, April 2022, Pages 878-890

Benjamin Osipov, Manali P. Paralkar, Armaun J. Emami, Hailey C. Cunningham, Priscilla M. Tjandra, Suraj Pathak, Henning T. Langer, Keith Baar, Blaine A. Christiansen

Read the Article

Online Educational Opportunities 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.



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.

Benefits:

- Access to all LearnORS courses at a discounted price
- Allows flexibility to accommodate individual educational curricula and training objectives
- A variety of courses available, including: Art of Grant Writing; Enhanced Writing and Publication Skills; Orthopaedic Basic Science; Principles of Clinical Research; and more

[Learn More](#)

Those who have an idea for a future Virtual Scientific Session should speak with their section or committee leaders about eligibility and the application process.

Final Week to Submit Session Ideas for the 2024 Annual Meeting



This is the final week to submit ideas for *Symposia*, *Back to Basics*, and *Bench to Bedside* sessions for the 2024 Annual Meeting, February 2 - 6 in Long Beach, California.

ORS Symposia advance translational musculoskeletal science by connecting scientists within and across various disciplines. Panels of experts representing basic, translational, clinical, and regulatory perspectives will engage the audience in a

dialogue about a hot topic, and/or emerging, forward-thinking paradigm in orthopaedic science.

Back to the Basics Sessions bring foundational knowledge and historical perspective to participants, highlighting important discoveries made 30+ years ago and how they have influenced the field.

Bench to Bedside Sessions bring together clinicians, scientists, and clinical trial experts to discuss innovations and advances.

Please submit your session ideas by next Monday, April 24.

[Submit Session Ideas](#)

Final Week to Submit ORS 2024 Annual Meeting Workshop Applications



This is the final week to submit workshop applications for the ORS 2024 Annual Meeting. A wide variety of topics will represent basic, translational, and clinical research, as well as innovative technologies.

Workshop categories for these 90-minute sessions include the following:

- Scientific Workshop – cutting-edge musculoskeletal research (i.e. the role of the immune system in tendon disease).
- Science and Technology Workshop – in collaboration with an industry partner (i.e. additively manufactured implants - cool parts, but how far have we advanced on material safety and characterization?).
- Crosstalk Workshop – highlighting interactions between clinical and basic approaches to musculoskeletal problems (i.e. leveraging multidisciplinary expertise to identify patients at risk for OA after meniscal surgery).

The goals of the workshops are:

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

Workshops focusing on aging, multi-organ/tissue crosstalk, artificial intelligence/big data, tissue regenerative medicine, stem cell biology, and translational research are encouraged.

The deadline for submission is next Monday, April 24.

For more information and details please see the workshop application. Decisions will be announced in May after a completion of external review and final selection by the ORS Scientific Program Committee.

[Apply for the Workshops Today](#)

Join us for the Next *Conversations with Kurt*

A promotional banner for 'Conversations with Kurt'. It features a blue border. On the left, the text 'Conversations with Kurt' is written in a large, black, sans-serif font. Below this text is the ORS logo, which consists of a blue circle with a white 'O' inside, followed by the letters 'RS' in a bold, black, sans-serif font. Underneath the logo, the text 'Orthopaedic Research Society' is written in a smaller, black, sans-serif font. On the right side of the banner is a portrait of Kurt Hankenson, a middle-aged man with short, light-colored hair, wearing a dark jacket over a patterned shirt. The background of the banner has a light blue and white diagonal striped pattern.

ORS members have unique access to raise their questions, comments, and concerns directly to ORS leadership. Each month, ORS Board President, Kurt Hankenson, DVM, MS, PhD presents an informal forum for members to engage directly on important topics, and to ask questions about the ORS and the field of orthopaedic research. Each *Conversations with Kurt* event will center on a specific topic and offer plenty of opportunity for members to bring up matters that are most important to them.

Members can click the link below to register for the next *Conversations with Kurt* which will take place April 27, 10:00 am Eastern or 8:00 pm Eastern.

[Join the Conversation](#)

New OREF Grants

The Orthopaedic Research and Education Foundation (OREF) has recently announced more than \$90,000 in new funding opportunities for



ORTHOPAEDIC RESEARCH
AND EDUCATION FOUNDATION

research. Grant and award applications are now available for: skeletal metastases, recovery and resident research, and support for travel. Grants and awards range from \$1,500 to \$25,000. For more information or to submit an application, visit the OREF grant programs webpage at the link below.

[Get More Information](#)

Mark Your Calendar!

ORS 2024 Annual Meeting

[Deadline to Submit Ideas for Symposia, Back to Basics, and Bench to Bedside Sessions](#)
[Deadline to Submit Workshop Applications](#)

April 24, 2023

[Conversations with Kurt](#)

April 27, 2023

10:00 am Eastern or 8:00 pm Eastern

50th International Musculoskeletal Biology Workshop

[Deadline to Submit Abstracts for Posters](#)

June 2, 2023

50th International Musculoskeletal Biology Workshop

[Deadline for Hotel Reservations](#)

June 19, 2023

[50th International Musculoskeletal Biology Workshop](#)

July 22 - 26, 2023 Zermatt Utah Resort & Spa

Midway, Utah

[2023 Clinician Scholar Career Development Program \(CSCDP\)](#)

September 21 - 23, 2023

Rosemont, Illinois

[ORS 2024 Annual Meeting](#)

February 2 - 6, 2024

Long Beach, California

Information and Registration Coming this Summer

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