



## Women in Orthopaedics

Throughout March, the ORS has been acknowledging Women's History Month by celebrating women in the society and in the field of orthopaedics. This week we feature the latest *ORS Spotlight* interview with ORS member and researcher, Paula Hernandez, PhD.



Paula Hernandez, PhD, is a research instructor in the Department of Orthopedic Surgery, UT Southwestern in Dallas, TX. Her research focuses on chondrocyte mechanotransduction affecting cytoskeleton and the extracellular matrix in response to mechanical stimulation. She also studies the differences between males and females in fundamental cellular events that could explain the predisposition of women to osteoarthritis.

Paula offers these words of advice to new investigators in the field, *"Be passionate and enjoy what you do. Believe in yourself. Or at least try to. I know it can be difficult sometimes, and as someone told me once, 'reach out to many people, some will not answer, but some will and that will make a difference in your career.'"*

[Click here](#) to watch video of the interview with Paula.

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**.

## This Thursday - Join us for Conversations with Kurt



New ORS President, Kurt Hankenson, DVM, MS, PhD, has scheduled the first in a series of virtual sessions called *Conversations with Kurt*. The first iteration of this monthly series will focus on how to get more involved with the ORS. Each month Kurt will cover different topics of interest to ORS members. This is an excellent opportunity for members to engage with leadership on important topics and ask questions about the ORS and the field of orthopaedic research.

The inaugural *Conversations with Kurt* session will take place this Thursday, March 30. Kurt will be available at two different times of day. Please select the meeting time below that best fits with your time zone.

**March 30, 2023**

**[10:00 am Eastern Time](#)**

**[8:00 pm Eastern Time](#)**

We hope to see you there.

## Applications Due This Friday for the Clinician Scholar Career Development Program



**Applications are due this Friday, March 31** for the [Clinician Scholar Career Development Program](#) (CSCDP), which will take place September 21 - 23 in Rosemont, IL. The CSCDP is a prestigious program that seeks the best and the brightest participants who are selected through a highly competitive application

process. The annual training workshop is for orthopaedic residents in their PGY2-PGY5 years, surgeons in fellowships, and junior faculty (through year three) who have the potential and desire to become orthopaedic clinician scholars.

**Please apply to participate in this program by Friday, March 31.**

[Apply for the CSCDP](#)

**Call for Sponsors:** Leading senior faculty and decision makers will participate in the CSCDP event as well as the application review process. If your company would like to sponsor the event and get your name in front of the leading orthopaedic scholars of today and tomorrow, please contact [smithterry@ors.org](mailto:smithterry@ors.org).

## You are Invited to the ORS Annual Membership Business Meeting



Please join us for the annual **ORS Membership Business Meeting** on April 17 at 7:00 am Central Time to hear about the financial performance of the ORS over the last year. You will gather virtually with fellow members to learn about, and vote on, the latest changes to ORS bylaws. Register at the link below. After registering, you will receive a confirmation email containing information about joining the webinar.

[Register Today](#)

## Call for Session Ideas for the 2024 Annual Meeting





The call is now open seeking 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 Monday, April 24.**

[Submit Session Ideas](#)

## Call for ORS 2024 Annual Meeting Workshops



The ORS Scientific Program Committee is seeking workshop applications for the ORS 2024 Annual Meeting in a wide variety of topics which 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 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](#)

## Register Today for the 50th 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.

You are invited to [submit an abstract](#) for the event. **Deadlines are Friday, April 14** for *Awards Abstract* submissions, *Podium Abstract* submissions, and *Blue Ribbon Poster Presentation Abstract* submissions. The *Poster Only Abstract* submission deadline is Friday, June 2.

You can register for the event now. Hotel information will be available April 1.

[Register Today](#)

## March ORS Basic Science Tip



The ORS Scientific Communications Committee is carrying forward the Basic Science Tips started by Fred Nelson, MD in an effort to honor his legacy. The committee will continue to highlight the important basic science research that ORS members produce.

### **Age-Related Stem Cell Dysfunction with Aging**

Weakening of the skeleton with age increases the susceptibility to bone-related injuries and results in impaired regeneration of bone tissue thereafter. Previous studies in mice suggest that aging is associated with declined Skeletal Stem and Progenitor Cells (SSPCs) number and function. However, findings have been inconsistent and the underlying mechanisms of this detrimental change are not well understood. Bone mineral density decreases with age, and thus it is widely thought that SSPC osteogenic potential is also reduced. Unexpectedly, while aged SSPCs exhibit a reduced self-renewal capacity compared to young SSPCs, they produce significantly more bone matrix in vitro. Therefore, this study hypothesized that aged SSPCs prematurely differentiate into bone, eventually leading to a loss in number and function of SSPCs in vivo with age.

[Read This Month's Tip](#)

## This Friday - Nominations are Due for the 2023 Lurie Prize in Biomedical Sciences

This October, the Foundation for the National Institutes of Health (FNIH) will present the 11th annual Lurie Prize in Biomedical Sciences. This \$100,000 honorarium recognizes outstanding achievement by a promising young scientist in biomedical research.



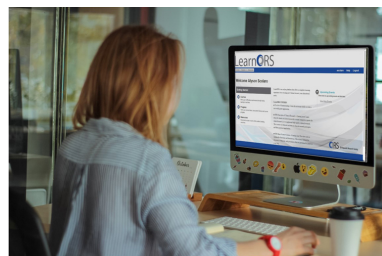
The winner will be selected by a distinguished jury of biomedical researchers, chaired by FNIH board member Solomon H. Snyder, MD. This is a great opportunity to nominate a colleague for one of the nation's most prestigious medical research awards.

**The deadline to submit nominations is this Friday, March 31 at 5:00 pm Eastern Time.**

[Submit a Nomination](#)

## Virtual Scientific Sessions from LearnORS

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.

LearnORS is about to launch its 2023 series of Virtual Scientific Sessions. Weekly sessions will resume April 5 and will be available through November 15.

Register today to join us for:

**Novel Turkey Model for Musculoskeletal Research**

Wednesday, April 5, 2023

12:00 pm – 1:00 pm Central Time

Chunfeng Zhao, MD, Director, Mayo Biomechanics Core Facility, will discuss a novel turkey model for musculoskeletal research. The turkey, as a bipedal animal, will be introduced for consideration for use in several areas of research including flexor tendon injury, compartment syndrome, rotator cuff tear, digit/limb transplantation, and spine related research.

*Organized by the ORS Preclinical Models Section*

[Register Today](#)

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.



# Mark Your Calendar!

## **Conversations with Kurt**

March 30, 2023

[10:00 am Eastern Time](#) and  
[8:00 pm Eastern Time](#)

## [Novel Turkey Model for Musculoskeletal Research](#)

*Virtual Scientific Session Presented by LearnORS*

April 5, 2023

12:00 pm - 1:00 pm Central Time

## [ORS Membership Business Meeting](#)

April 17, 2023

7:00 am Central Time

Virtual Meeting

## [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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