



August 2022

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Inspiring Innovation within Our Community

On behalf of the [ORS Orthopaedic Implants Research Section](#), I hope you have enjoyed both a fun and productive first part of 2022!

In this edition of our section e-newsletter, we will highlight several section organized programs that will be held in last half of the year to the ORS 2023 Annual Meeting. A series of virtual sessions are planned in the coming months beginning with August about how to prepare standout abstracts for the annual meeting. A steady cadence of additional sessions continues through the end of the year, and we are preparing several sessions that will of particular interest to the section.

We hope you will participate in all these programs or sessions; if you would like to actively contribute to any of these or have suggestions for additional topics that may resonate with the section, please reach out!

I hope you are well and look forward to seeing you during the upcoming virtual sessions.

Jeff Bischoff, PhD, ORS Orthopaedic Implants Research Section Chair

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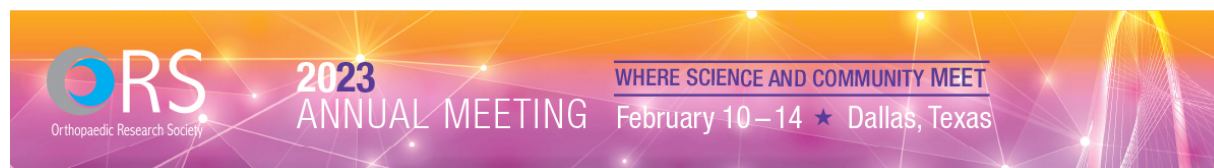
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Joshua Roth, PhD, University of Wisconsin-Madison



ORS 2023 Call for Abstracts

ORS provides awards and grants for all career stages on high-quality abstracts including **ORS Orthopaedic Implants Research Section Podium and Poster Awards** for Section members.

Abstract Submission Deadline: Monday, August 29, 2022

[Submit Your Abstracts](#)

ORS 2023 Annual Meeting Program Plans

The annual Section Scientific Meeting will be held during ORS 2023! More information coming soon. However, we are excited to announce the following programs to be held during ORS 2023 organized by the ORS Orthopaedic Implants Research Section.

Scientific Program: Temporal Implants in Orthopaedics: Current Concepts, Limitations, and Future Directions

Organizers: **Michael Hast, PhD** and **Markus Wimmer, PhD**

Orthopaedic implants are currently undergoing a transformation from permanent, life-long devices towards transient, biodegradable tools that are engineered to disappear over time. Applications of biodegradable implants are diverse and evolving. The purpose of this symposium is to (1) provide an update on state-of-the-art biodegradable implants, (2) identify the shortcomings of current technologies, and (3) predict the short- and long-term future for implants in this realm. The symposium will consist of three speakers with extensive expertise in biodegradable implant design and application who will speak for 20 minutes each, followed by 30 minutes of Q&A with the audience.

Scientific Workshop: Artificial Intelligence and Machine Learning (AI/ML)

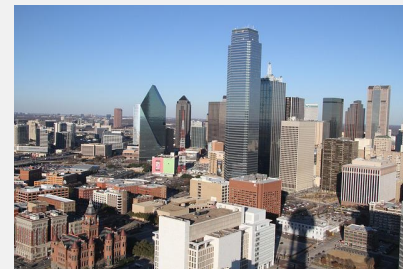
Friday, February 10, 2023

Organizers: **Cheryl Liu, PhD** and **Joshua Roth, PhD**

This session will build upon basic concepts presented in a virtual session taking place in the second of 2022 TBD. Leaders from industry, academia, and clinical practice will present and discuss the current state of AI/ML in orthopaedics, and where they predict it to affect our practice in the future. Following the panel discussion, ample time will be left for Q&A with the faculty and attendees.

Spotlight Speaker: The Possible Role of Cobalt Chromium and Biologic Corrosion in TKA Outcomes

William M. Mihalko, MD, PhD



Upcoming Virtual Scientific Sessions

Creating a Winning Abstract for the ORS Annual Meeting

Organizers: **Joshua Roth, PhD** and **Michael Hast, PhD**

This session will be geared towards investigators at all career stages with a focus on students, post-graduate trainees, and early career investigators on how to conceptualize, design, and formulate a winning abstract for the ORS Annual Meeting.

Wearables and Smart Implants

TBA

Organizers: **Eric Ledet, PhD** and **Jeff Bischoff, PhD**

This session will discuss the emerging technologies of wearable devices and smart implants. Speakers include Darren Wilson, Smith & Nephew; Janie Wilson, PhD, Dalhousie; Colin O'Neill, MBE, FDA; and Aenor Sawyer, MD, UCSF.

Primer on Artificial Intelligence / Machine Learning

TBA

Organizers: **Jonathan Gustafson, PhD** and **Kenneth Urish, PhD**

This session will give a basic overview and insights regarding artificial intelligence and machine learning and serve as a primer for the Artificial Intelligence / Machine Learning Workshop that will be held during the 2023 Annual Meeting.

Delivering a Winning Poster/Podium at the ORS Annual Meeting

TBA

Organizers: **Joshua Roth, PhD**, and **Michael Hast, PhD**

This session will be geared towards investigators at all career stages with a focus on students, post-graduate trainees, and early career investigators on how to prepare a winning abstract for the ORS Annual Meeting. It will take place a few months before the annual meeting, allowing participants to translate what they've learned into their own submissions for the upcoming 2023 Annual Meeting.

Upcoming Implant Related Meetings/Events

ISTA 2022

August 31 – September 3, 2022

Maui, Hawaii

ISOLS 2022

September 6-9, 2022

Los Angeles, CA

ICORS 2022

Sept 7-10, 2022

Edinburgh, Scotland

AAHKS 2022
November 3-6
Dallas, TX



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Share with us!

If you have suggestions for Section Member Spotlight interviews, featured JOR publications, contributions to our conference reports section, or any other potential contribution to our quarterly e-newsletter, please contact **Alexander Christ, MD, Section Membership Chair** at alexander.christ@med.usc.edu.



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