JOR | JOR Spine | ORS Ortho Implants Research Section | ORS 2023 Call for Workshops

# ORS Orthopaedic Implants Section Newsletter



#### Did you know?

The <u>ORS Orthopaedic Implants Research Section</u> launched in August 2016 by the organizers of the Implant RIG and the ORS.

## **Growing the Footprint of the Research Section Community**



Thanks to all who contributed to making the ORS Orthopaedic Implants Research Section: Model Credibility Symposium, ORS Orthopaedic Research Section Scientific Meeting and ORS 2022 Annual Meeting a great success! It was wonderful to have the chance to reconnect with colleagues, including at our section meetings.

In this newsletter issue, we highlight the variety of programming from our Research Section held during the meeting in February. Please share your ideas and topics of interest that could make for a virtual scientific session, a session at ORS 2023 and others.

The Section leadership has finalized goals and initiatives for 2022. These initiatives include virtual sessions culminating in the ORS 2023 Annual Meeting.

We look forward to each of you to help us to continue to grow the footprint of the implants community within ORS!

Jeff Bischoff, PhD, ORS Orthopaedic Implants Research Section Chair



Meet your Orthopaedic Implants Research Section leadership!

Section Chair Jeff Bischoff, PhD, Zimmer Biomet Inc

Section Chair Elect Trey Crisco, PhD, Brown University and Rhode Island Hospital

Section Past Chair William Mihalko, MD, PhD, Campbell Clinic Orthopaedics/University of Tennessee Health Science Center

Section Secretary Kenneth Urish, MD, PhD, University of Pittsburgh

Section Treasurer Michael Hast, PhD, University of Pennsylvania

Section Research & Education Chair Jonathan Gustafson, PhD, Rush University Medical Center

Section Membership Chair Alexander Christ, MD, University of Southern California, Department of Orthopaedic Surgery

Section Members-at-Large Emanuele Chisari, MD, Rothman Orthopaedic Institute/University of Groningen Cheryl Liu, PhD, Stryker Joshua Roth, PhD, University of Wisconsin-Madison

We appreciate the service of those who have completed their volunteer terms and wish the selected officers success in their new roles!

### Model Credibility Symposium Highlights

**Computational Modeling to Support Implant Design and Evaluation and Clinical** 

#### **Decision Making - Practical Considerations on Model Credibility**

Held Friday, February 4, 2022

#### Organizers: Jeff Bischoff, PhD and Jonathan Gustafson, PhD

Culminating from <u>3 virtual scientific sessions</u> held in 2021, this program included:

- High level review of key points from the virtual scientific sessions.
- Presentation of specific case studies by participants taken to completion (or near completion), with lessons learned
- Abstract-based session on other CM&S applications, focused on content from students, post-graduate trainees and early career attendees
- Panel discussion with academic, industry, and clinical leaders in the CM&S space.

View the 2021 Virtual Session Recordings



# **Research Section 2022 Scientific Meeting Highlights**

The <u>Research Section Scientific Meeting</u> was divided into two parts.

The first part of the meeting was moderated by **Jeff Bischoff**, **PhD**, Zimmer Biomet, and **Ken Urish**, **MD**, **PhD**, University of Pittsburgh. The Section members' only portion focused on support and alignment in total shoulder arthroplasty from a clinician's viewpoint, and how the functional mechanics of the shoulder are best served. This was presented by **Andy Kuntz**, **MD**, University of Pennsylvania, and **Heath Henninger**, **PhD**, University of Utah.

There was lively discussion about newer alignment techniques in total knee arthroplasty, with a presentation on the theory behind kinematic alignment and issues with TKA joint modeling with regards to modeling presented by Steve Howell, MD, Adventist Health, and Azhar Ali, PhD, Stryker.

Following the Section members' only portion, the second half of the meeting was open to all meeting attendees with a focus on additive manufacturing (AM), and whether it has made a difference in clinical care. Mathias Bostrom, MD and **Timothy Wright, PhD**, from

the Hospital for Special Surgery, squared off against Brett Levine, MD and **Robin Pourzal**, **PhD**, both from Rush University Medical Center.

The meeting was well-attended and featured great discussion with the attendees. We appreciate all speakers for contributing to the meeting!

### **Congratulations 2022 Podium and Poster Award Recipients**

The Orthopaedic Implants Research Section congratulates the 2022 Podium and Poster Award recipients announced during the <u>ORS 2022 Closing Session</u> held Tuesday, February 8.



**ORS 2023: Call for Workshop Applications** 



The ORS Annual Meeting Scientific Program Committee is seeking workshop application for the ORS 2023 Annual Meeting in a wide variety of topics which represent basic, translational, and clinical research, as well as innovative technologies. Learn more and submit your application!

# Upcoming Implant Related Meetings/Events

ISTA 2022 August 31 – September 3, 2022 Maui, Hawaii, USA

ISOLS 2022 September 6-9, 2022 Los Angeles, CA, USA

ICORS 2022 Sept 7-10, 2022 Edinburgh, Scotland

AAHKS 2022 November 3-6, 2022 Dallas, TX, USA



### Journal of Orthopaedic Research®

Volume 40, Issue 4 April 2022

Now Available!

Check Out the April Issue.

Recruit the most talented faculty/employees in the field of musculoskeletal research



# ORS Career Center

Check out the latest opportunities available via the <u>ORS</u> <u>Career Center</u> including:

<u>Duke Orthopaedic Surgery - Adult Reconstruction</u> Duke Health

Research Assistant 2 Oregon Health and Science University <u>Research Computer Scientist</u> University of Michigan - Ann Arbor

### **Connect with the Section Officers**

#### 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 <u>alexander.christ@med.usc.edu</u>.

