

ORS Spine Section Meeting
Friday, March 09, 2018
3:00 PM – 6:00 PM

About the Meeting

The goals of the section meeting are to present cutting-edge science and technology and to initiate and provoke discussion from multi-sector participants and audience members.

Symposium Goals: The symposium on "origins of spine related pain" aims to review our current understanding of factors causing or contributing to painful spine symptoms. Furthermore, with the availability of advanced profiling technologies and study designs, new pathways of pain are being identified that may lead to novel diagnostic and therapeutic targets. A more in-depth understanding of pain origins will help basic and clinician scientists to design clinically relevant studies and medical doctors to treat pain symptoms of patients in a more precise and personalized manner. Emphasis is put on the role of biomechanical imbalance as pain generator.

Meeting Agenda

3:00 - 3:10	Welcome	Judith Hoyland, PhD, ORS Spine Section Chair
	Section Meeting Introduction	Sibylle Grad, PhD, ORS Spine Section Research Chair

3:10 – 4:10 Symposium: Origins of spine related pain

Moderators: Robert Bowles PhD (The University of Utah), Daisuke Sakai MD PhD (Tokai University School of Medicine, Japan), Samuel Ward PhD (UC San Diego)

Speakers (10-12 min each)

- every speaker will focus on one topic and include discussion on how locomotion and biomechanics play a role in specific pain generation
- 1) **Ashish Diwan**, MD PhD, The University of New South Wales, Kogarah, New South Wales, Australia
A Clinician's perspective on Pain and Biomechanics of Clinico- radiological evaluation
- 2) **Beth Winkelstein**, PhD, Spine Pain Research Lab, University of Pennsylvania, Philadelphia, PA
Understanding the Origins and Mechanisms of the Many "Facets" of Spinal Joint Pain
- 3) **Lisbet Haglund**, PhD, The Orthopaedic Research Laboratory, Montreal General Hospital, Montreal, Canada
Can Back Pain Caused by Disc Degeneration be a Consequence of Toll Like Receptor Activation?
- 4) **William Marras**, PhD, Spine Research Institute, The Ohio State University, Columbus, OH
Personalized assessments of spine mechanics
- 5) **Bahar Shahidi**, PhD, Department of Radiology/Orthopaedic Surgery, University of California, San Diego, CA
Muscular Contributions to Spinal Pain

4:10 – 4:40 **Symposium Q&A Session**

4:40 – 5:00 **BREAK**

5:00 – 5:15 **Poster Teaser Session I (3 x 3 min, 6 min discussion)**

5:15 – 5:30 **Poster Teaser Session II (3 x 3 min, 6 min discussion)**

Moderators: John Martin PhD (Duke University), Sarah Gullbrand PhD (University of Pennsylvania)

5:30 – 6:00 **Section Business Meeting**

Section Officers Reports

Information on the new *JOR Spine* (Mauro Alini, Robert Mauck, Daisuke Sakai)

New section officers