

### ***In vitro/in vivo spine biomechanics Symposium***

- 12:15 PM – 12:25 PM      **Welcome**  
Makarand Risbud, PhD, Thomas Jefferson University, ORS Spine Section Chair
- Scientific Meeting Introduction**  
Sibylle Grad, PhD, AO Research Institute Davos, ORS Spine Section Research Chair
- 12:25 PM – 1:25 PM      ***In Vivo Spine Kinematics to Assess the Biofidelity of In Vitro Testing***  
William J. Anderst, PhD, University of Pittsburgh, Department of Orthopaedic Surgery
- Use of sensor technology for the study of in vivo spine biomechanics***  
Eric Ledet, PhD, Rensselaer Polytechnic Institute, Department of Biomedical Engineering
- In vitro joint level and tissue level biomechanics***  
Grace O'Connell, PhD, University of California Berkeley
- Advances in multi-scale and multi-axial simulations of spine biomechanics in vitro/ex vivo***  
John Costi, PhD, Flinders University, College of Science and Engineering
- Moderators:** Lori Setton, PhD, Washington University in St. Louis; Edward Vresilovic, MD, PhD
- 1:25 PM – 2:00 PM      **Symposium Panel Discussion**
- 2:00 PM – 2:15 PM      **Break**

### **Tribute to Peter Roughley, PhD and John Mort, PhD**

- 2:15 PM – 2:40 PM      **Introduction**  
Mauro Alini, PhD, AO Research Institute
- Special Guest: A. Robin Poole. PhD, McGill University**

### **ORS Spine Section Business Meeting**

- 2:40 PM – 3:00 PM      **ORS Spine Section Leadership Reports**  
Introduction of New ORS Spine Section Officers  
Information on the new *JOR Spine* Co-Editor-in-Chiefs: Mauro Alini, PhD; Robert Mauck, PhD; Daisuke Sakai, MD, PhD
- 3:00 PM      **Meeting Adjourn**



**ORS Spine Section Scientific Meeting**  
**Saturday, February 2, 2019**  
**12:15 PM – 3:00 PM**  
**Austin Convention Center, Level 4, Meeting Room 17**

**Thank you to the following ORS Spine Section supporter:**



**ORS Spine Section Reception**

Sunday, February 3, 2019  
6:30 PM – 8:00 PM  
[Malverde at La Condesa](#)  
400A West 2nd Street, Austin, TX 78701

*Stop by the ORS Lounge in the Exhibit & Poster Hall to learn more about ORS and ORS Spine Section membership  
or visit the ORS Spine Section website at [www.ors.org/spine-section](http://www.ors.org/spine-section).*