## 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**

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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).
**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:

![Orthofix Logo](image)

**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

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