ORS Meniscus Section Scientific Meeting: *Knowledge Gaps in the Field of Meniscus Research*
Friday, March 9, 2018, 9:00 AM – 5:30 PM
Hyatt Regency New Orleans Empire A

**ORS Meniscus Section Scientific Meeting Agenda**

9:00 AM – 9:15 AM  
Welcome  
Marc Levenston, PhD, ORS Meniscus Section Chair

9:15 AM – 10:45 AM  
**Session 1: What is a Normal Meniscus?**  
This session will discuss what we know about the function and critical importance of the meniscus. We will discuss recent findings on mechanical and biological changes in meniscus injured subjects. As well there will be discussion of the challenges and opportunities in investigating the role of the normal meniscus in the joint.

Moderator:  
Martin Englund, MD, PhD, ORS Meniscus Section Member-at-Large, Lund University

Speaker:  
Amy McNulty, PhD, ORS Meniscus Section Research & Education Chair, Duke University

Section Member Presentations:  
*Knee Kinematics and Contact Stresses during Simulated Gait*  
Olufunmilayo (Funmi) Adebayo, PhD, Hospital for Special Surgery

Conclusions

10:45 AM – 11:00 AM  
**BREAK**

11:00 AM – 12:30 PM  
**Session 2: How to Detect Change?**  
The normal MR signal characteristics of menisci will be discussed with regards to the MR transverse relaxation times. Patterns of meniscal degeneration and tear will be presented, followed by assessment of post-operative change including meniscal repair and transplantation. The use of quantitative T2* mapping as a marker for the collagen orientation will be discussed.

Moderator:  
M. Farooq Rai, PhD, ORS Meniscus Section Secretary, Washington University at St. Louis

Speaker:  
Hollis Potter, MD, Hospital for Special Surgery

Stop by the ORS Member Center in the Exhibit & Poster Hall to learn more about ORS and ORS Meniscus Section membership. Visit the ORS Meniscus Section website- [www.ors.org/meniscus-section](http://www.ors.org/meniscus-section).
Section Member Presentations:

*Meniscal Allograft*
Kevin Stone, MD, The Stone Clinic

*Degeneration Alters Meniscus Properties*
Daniela Warnecke, Ulm University

*Towards the Development of a Model to Understand the Mechanism of Load-Induced Changes in Meniscus T2*
Jane Desrochers, PhD, University British Columbia

*Biomechanics of the Degenerated Meniscus: MRI Study*
Muhammed Masudur Rahman, Ulm University

Conclusions

12:30 PM – 1:00 PM  **Poster Teaser Session**  
Moderator: Andreas Seitz, PhD, Ulm University

1:00 PM – 2:00 PM  **LUNCH**  
A boxed lunch will be provided to all meeting attendees.

2:00 PM – 2:30 PM  **Session 3: ORS Meniscus Section Initiatives**  
- Organizing focused meetings to produce consensus statements
- Organizing future webinars
- Establishing a collaboration/mentoring network where researchers could seek out collaborators with particular expertise

Moderator:  
Kyle Allen, PhD, ORS Meniscus Section Treasurer, University of Florida

2:30 PM – 4:15 PM  **Session 4: Meniscus 2038**  
Debate between basic researcher and clinician

- What do we think that meniscal repair/replacement will - or should - look like in 20 years?
- What engineering advances are necessary and what surgical/clinical advances are necessary to improve meniscal surgery?

Moderator:  
Lutz Dürselen, PhD, ORS Meniscus Section Scientific Meeting Organizer, Ulm University

Speakers:  
Lawrence Bonassar, PhD, Cornell University
Tony van Tienen, MD, PhD, Radboud Medical Center, Nijmegen, Netherlands

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Section Member Presentations:
*3D Co-Culture of Mesenchymal Stem Cells and Meniscal Cells to Build Up 3D Meniscus Models*
Antje Kremer, University Hospital of Würzburg

*Quantum Dots-Labeling to Track In Vivo Degradation of Biomaterials for Meniscus Repair or Regeneration*
Chang Lee, PhD, Columbia University

Conclusion

4:15 PM – 4:30 PM  **Scientific Meeting Wrap Up**
Suzanne Maher, PhD, ORS Meniscus Section Chair Elect

4:30 PM – 5:30 PM  **Networking Reception**
The meeting will conclude with a 1 hour networking reception and will take place in the meeting room.

**ORS Meniscus Section Scientific Meeting Organizing Committee**
Lutz Dürselen, PhD, Ulm University
Marc Levenston, PhD, Stanford University
Suzanne Maher, PhD, Hospital for Special Surgery
Amy McNulty, Duke University, PhD
Andreas Seitz, PhD, Ulm University

**About the ORS Meniscus Section**
The ORS Meniscus Section serves to highlight the significant interest on the meniscus by providing meeting and online venues for presentation and discussion of the latest research. Our mission is to represent the voice of meniscus research and sciences within the ORS community and beyond, and advance meniscus research and related sciences to improve patient care through basic, translational and clinical research.

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