

ORS Tendon Research Section Scientific Meeting

Sunday, February 6, 2022

12:15 PM – 1:50 PM* ORS Tendon Research Section Members Only

2:00 PM – 3:00 PM Open to all Meeting Attendees *(based on room capacity)*

Tampa Convention Center, Rooms 20-21

Agenda

12:15 PM – 12:20 PM

Welcome and Introduction

Nathaniel Dyment, PhD, University of Pennsylvania

Alayna Loiselle, PhD, University of Rochester Medical Center

12:20 PM – 12:50 PM

ORS Tendon Research Section Scientific Meeting Plenary Speaker

Rebekah Decker, MS, PhD, Novartis Institutes for Biomedical Research

Moderators:

Nathaniel Dyment, PhD, University of Pennsylvania

Alayna Loiselle, PhD, University of Rochester Medical Center

12:50 PM – 1:40 PM

Round Table Networking Session

Table Topics:

- *Handling career transitions*
- *Establishing and maintaining lab culture*
- *Skills for industry*
- *Setting research priorities*
- *Managing up: establishing strong communication between mentor & mentee*

Featuring invited table facilitators:

Brianne Connizzo, PhD, Boston University

Rebekah Decker, MS, PhD, Novartis Institutes for Biomedical Research

Kathe Derwin, PhD, Cleveland Clinic

Matt Fisher, PhD, North Carolina State University & University of North Carolina-Chapel Hill

Alice Huang, PhD, Columbia University

Megan Killian, PhD, University of Michigan

Jennifer Woodell-May, PhD, Zimmer Biomet

Neal Millar, MD, PhD, University of Glasgow

Spencer Lake, PhD, Washington University in St. Louis

Dianne Little, DVM, PhD, Purdue University

Tony Ratcliffe, PhD, Synthesize, Inc.

Spencer Szczesny, PhD, Pennsylvania State University

Lara Silverman, PhD, LIS BioConsulting, LLC

Jess Snedeker, PhD, Balgrist University Hospital and ETH Zurich

Steve Thomopoulos, PhD, Columbia University

Chunfeng Zhao, MD, Mayo Clinic

**The 12:15 PM – 1:50 PM portion of the meeting is for ORS Tendon Research Section members only with a boxed lunch provided.*

Non-Section members and non-members will be able to sign up for ORS and/or Section membership at the door. However, admittance to the meeting will be based on availability (capacity of the room).

Interested to learn more about the ORS Tendon Research Section? Stop by ORS Lounge in the poster/exhibit hall or visit <https://www.ors.org/tendon-section>.

1:40 PM -1:50 PM

Annual State of the ORS Tendon Research Section

Kathe Derwin, PhD, Cleveland Clinic, ORS Tendon Research Section Chair

1:50 PM – 2:00 PM

Meeting Break

2:00 PM – 3:00 PM

ORS Tendon Research Section 3-Minute Elevator Pitch Competition

Selected Research Section student and post-graduate trainee members will give a short presentation (think “elevator pitch” or short TED talk) to pitch an innovative idea and/or compelling concept related to your past, present, or future research. This competition is designed for participants to communicate your science effectively and sell their ideas to the audience!

Moderators:

Nathaniel Dymont, PhD, University of Pennsylvania

Alayna Loisel, PhD, University of Rochester Medical Center

PAI-1 is critical for TGF- β 1-induced mTOR signaling and myofibroblast activation in murine tenocytes

Rahul Alenchery, University of Rochester

Phenotypic Profiling And Spatial Localization Of Resident Tendon Macrophages

Catherine Bautista, ScM, University of Pennsylvania

Tendon and ligament microstructure leads to strain-dependent variations in macroscale material anisotropy

Jonathon Blank, MS, BSE, University of Wisconsin-Madison

How do Muscle Forces during everyday Life impact Tendon Strain? Quantifying Tendon Strain and Muscle Forces continuously during Dynamic Movements in-vivo

Fransiska Bossuyt, PhD, University of Calgary

Mechanically Competent Chitosan-Based Bioadhesive for Tendon-to-Bone Repair

Fei Fang, PhD, Columbia University Medical Center

Grasping Python-Tooth-Inspired Device for Enhanced Rotator Cuff Repair

Iden Kurtaliaj, MS, Columbia University

Harnessing Nature for Tendon Regenerative Medicine: Biological Insight Using the MRL/MpJ Mouse Model to Engineer Protein-Based Therapeutics

Jason Marvin, BS, MS, Cornell University

Il-6 signaling mediates progenitor-induced tendon core breakdown and is inhibited by extrinsic macrophages

Tino Stauber, Balgrist University Hospital and ETH Zurich



<https://www.ors.org/2022-tendon-conference/>

Abstract Submission Deadline: Friday, February 18, 2022