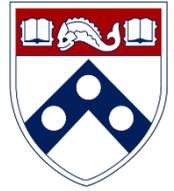




Penn Center for Musculoskeletal Disorders Scientific Symposium Agenda



November 15, 2023

Smilow Rubenstein Auditorium ♦ University of Pennsylvania

08:15 – 09:15am

Registration and Poster Set-up



09:15 – 09:35am

Welcome and Overview

Louis J. Soslowsky, Ph.D.

09:35 – 10:20am

Session I: Affiliate Member Session (Moderator: Xiaowei Sherry Liu, Ph.D.)

- ◆ *Stephanie G. Cone, Ph.D., University of Delaware, “Knee Joint Biomechanics in the Rat Model.”*
- ◆ *William Querido, Ph.D., Temple University, “Imaging Bone Composition at Submicron Spatial Resolution: Applications of O-PTIR Spectroscopy.”*
- ◆ *Sriram Balasubramanian, Ph.D., Drexel University, “Recent Advances in Computational Modeling for Pediatric Spine Deformity Diagnosis and Treatment.”*

10:20 – 11:05am

Break and Poster Session (Even Numbered)

11:05 – 11:50am

Session II: New Member Session (Moderator: Ling Qin, Ph.D.)

- ◆ *Damaris N. Lorenzo, Ph.D., “A Novel Cytoskeleton-based Pathway Required for Maintenance of Mitochondria Dynamics and Energetics in Skeletal Muscle.”*
- ◆ *Eric C. Liao, M.D., Ph.D., “Translation Gap in Functional Genomics of Orofacial Clefts.”*
- ◆ *Holly L. Stewart, V.M.D., Ph.D., “Translational Animal Models for Understanding the Relationship Between Bone Marrow Lesions and Subchondral Bone Disease.”*

11:50 – 12:30pm

Introduction: Penn Achilles Tendinopathy Center of Research Translation

- ◆ *Overview: Louis J. Soslowsky, Ph.D.*
- ◆ *Project 1: Nat Dymant, Ph.D.*
- ◆ *Project 2: Su Chin Heo, Ph.D.*
- ◆ *Core: Josh Baxter, Ph.D.*

12:30 – 01:30pm

Poster viewing and lunch (provided) in Smilow Commons

1:30 – 02:30pm

Session III: Pilot Grantee Session (Moderator: Maurizio Pacifici, Ph.D.)

- ◆ *Christoph Thaiss, Ph.D., “Intestinal Regulation of Exercise Performance.”*
- ◆ *Michael Hast, Ph.D., “Exploring the Efficacy of Zinc as a Biomaterial for Orthopaedic Implants.”*
- ◆ *Melike Lakadamyali, Ph.D., “Super-Resolution Imaging of Chromatin in Diseased Musculoskeletal Cells.”*

02:30 – 03:15pm

Break and Poster Session (Odd Numbered)

03:15 – 04:15pm

Keynote Speaker (Moderator: Louis Soslowsky, Ph.D.)

Keynote Speaker Title: “Navigating the NIH: The Program Director Perspective.”
Charles Washabaugh, Ph.D., Orthopaedics Research Program Director at the National Institutes of Health

04:15 – 04:30pm

Final Comments Preceding Poster Session and Reception

04:30 – 06:00pm

Poster Session, Presentation of Poster Awards and Reception in Smilow Commons