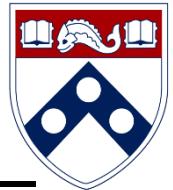




Penn Center for Musculoskeletal Disorders

Scientific Symposium Agenda



November 12, 2025

Smilow Rubenstein Auditorium ♦ University of Pennsylvania

08:00 – 08:45am	Registration and Poster Set-up
08:45 – 09:00am	Welcome and Overview <i>Louis J. Soslowsky, Ph.D.</i>
09:00 – 10:00am	Session I: New Member Session (Moderator: Ling Qin, Ph.D.) <ul style="list-style-type: none">◆ <i>Julie Engiles, VMD, DACVP, "One-Health Approach to Orthopedic Disease: Translational Applications of Large Animal Veterinary Pathology"</i>◆ <i>Flavia Vitale, Ph.D., "Engineering Novel High-Density Surface EMG Arrays and Machine Learning Models to Support Diagnosis and Rehabilitation of Achilles Tendon Pathologies."</i>◆ <i>Christopher Madl, Ph.D., "Probing Biophysical Regulation of Myogenesis with Dynamic Biomaterials."</i>
10:00 – 10:30am	Session II: Translational Opportunities (Moderator: Katie Reuther, Ph.D.) <ul style="list-style-type: none">◆ <i>Annamarie Horan, Ph.D., "RNA in Peripheral Blood as Prognostic for Fracture Outcome"</i>◆ <i>Josh Baxter, Ph.D., "Next Generation Nerve Conduction Testing: Turning an Art into a Science"</i>◆ <i>Riccardo Gottardi, Ph.D., "Charting a Translational Path for Decellularized Meniscus Biomaterials"</i>
10:30 – 11:40am	Break and Poster Session I (Poster Numbers 1-55)
11:40 – 12:40pm	Session III: Affiliate Member Session (Moderator: Rob Mauck, Ph.D.) <ul style="list-style-type: none">◆ <i>Benjamin Wheatley, Ph.D., Bucknell University, "Elucidating Structure-Function Mechanisms in Muscle and Aponeurosis Tissue with Finite Element Analysis."</i>◆ <i>Valentina Graci, Ph.D., Drexel University, "Reclined Vehicle Occupants: Current and Future Risk of Injury in Motor Vehicle Crashes"</i>◆ <i>Jonathan Grasman, Ph.D., New Jersey Institute of Technology, "Developing Biomimetic Scaffolds to Treat Volumetric Muscle Loss."</i>
12:40 – 01:40pm	Lunch and Poster Breakdown/Setup (provided) in Smilow Commons
01:40 – 02:40pm	Session IV: Pilot Grantee Session (Moderator: Maurizio Pacifici, Ph.D.) <ul style="list-style-type: none">◆ <i>Foteini Mourkioti, Ph.D., "Stem Cell Dynamics in Acute and Chronic Injuries."</i>◆ <i>Kyle Vining, D.D.S., Ph.D., "Tuning the Fate of Immune Cells with Their Mechanical Environment."</i>◆ <i>Joel Boerckel, Ph.D., "Maternal Exercise Rescues Fetal Akinesia-Impaired Skeletal Development."</i>
02:40 – 03:50pm	Break and Poster Session II (Poster Numbers 56-109)
03:50 – 04:50pm	Keynote Speaker (Moderator: Lou Soslowsky, Ph.D.) <i>Keynote Speaker Title: "The Current Status of Regenerative Medicine in Orthopaedics."</i> <i>Scott Rodeo, M.D., Professor of Orthopaedic Surgery from Weill Medical College of Cornell University; Vice Chair of Orthopaedic Research, Hospital for Special Surgery</i>
04:50 – 05:00pm	Closing Remarks Preceding Reception
05:00 – 06:00pm	Reception and Presentation of Poster Awards in Smilow Commons