08:15 – 09:20am  Registration and Poster Set-up

09:20 – 09:30am  Welcome and Overview
Louis J. Soslowsky, Ph.D.

09:30 – 10:30am  Session I: Pilot Grantee Session (Moderator: Maurizio Pacifici, Ph.D.)

♦ Josh Baxter, PhD, “Towards Precision Rehabilitation for Achilles Tendon Ruptures.”
♦ Riccardo Gottardi, PhD, "In Vivo Validation of a Continuous Gradient Porous Scaffold for Osteochondral Repair in a Rabbit Model."
♦ Kyu Sang Joeng, PhD, “Investigating the Function of mTORC1 Signaling in Tendon Using Mouse Genetic Models and Scaffold-Free 3D Tendon Constructs”

10:30 – 11:15am  Break and Poster Session (Even Numbered)

11:15 – 12:15pm  Session II: Affiliate Member Session (Moderator: Mike Hast, Ph.D.)

♦ Hannah Dailey, Ph.D., Lehigh University, “Virtual Mechanical Testing of Bone Fracture Healing”
♦ Kara L. Spiller, Ph.D., Drexel University, “Immunomodulatory Biomaterials for Regenerative Medicine.”

12:15 – 01:30pm  Poster viewing and lunch (provided) in Smilow Commons

01:30 – 02:30pm  Session III: New Member Session (Moderator: Lachlan Smith, Ph.D.)

♦ Michael Mitchell, Ph.D., “Lipid Nanoparticles for Overcoming Biological Barriers to mRNA Delivery”
♦ Ernestina Schipani, M.D., Ph.D., “How Hypoxia and Mitochondrial Respiration Shape Up the Skeleton”
♦ Ottman Tertuliano, Ph.D., "Quantifying Length-Scale Dependent Toughening in Human Bone Fracture”

02:30 – 03:15pm  Break and Poster Session (Odd Numbered)

03:15 – 04:15pm  Keynote Speaker (Moderator: Louis Soslowsky, Ph.D.)

“Navigating a Path to Understanding Drug Delivery in the Treatment of Arthritis”
Lori A. Setton, Ph.D., Lucy and Stanley Lopata Distinguished Professor and Chair of Biomedical Engineering
Professor of Mechanical Engineering & Materials Science and Orthopedic Surgery
Washington University in St Louis

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