Symposium
Thursday, October 17, 2024



https://urmc.zoom.us/j/96380178562

Clinical Hour Presentations

Class of '62 Auditorium (G-9425), URMC

7:00 am	Welcome & Introduction	Paul Rubery, MD
7:04 am	Use of Machine Learning for Ultrasound Assessment of the Ulnar Nerve and Diagnosis of Cubital Tunnel Syndrome	Akhil Dondapati, MD Constantinos Ketonis, MD, PhD
7:12 am	A Quantitative Analysis of Gait in Patients with Lumbar Degenerative Disease	Haseeb Goheer, BS Ram Haddas, PhD, MBA
7:20 am	The Association of Hospital Volume and Patient Medical Complexity on Length of Stay, Complications, and Readmission Rates After Total Shoulder Arthroplasty	Patrick Castle, MD Sandeep Mannava, MD, PhD
7:28 am	Predictors of Successful Outcomes Following Revision Carpal Tunnel Release	Akhil Dondapati, MD Bilal Mahmood, MD
7:36 am	Post-traumatic Hip Osteoarthritis After Pelvic Ring Injuries	James Brodell, MD Noah Joseph, MD
7:44 am	Cost Analysis of Endoscopic Carpal Tunnel Release with MAC versus Local Anesthesia	Thomas Carroll, MD Constantino Ketonis, MD, PhD
7:52 am	Utilization of an Artificial Intelligence-Based Documentation System Improves Provider Efficiency in Outpatient Orthopaedic Clinics	Eric Davis, BA Benedict DiGiovanni, MD

Rosier Award Presentations

Class of '62 Auditorium (G-9425), URMC

	9:00 am	Welcome & Introduction	Paul Rubery, MD
			Hani Awad, PhD
lows	9:10 am	Unraveling the Nerve: Exploring the Role of Innervation in Aging Osteoarthritis Through Advanced 3D Light Sheet Microscopy	Paromita Kundu, PhD Lee Lab
Post-Doctoral Fellows	9:25 am	Ca2+ Signaling Through CaV1.2 Ca2+ Channel Regulates Achilles Tendinopathy Development	Haiyin Li, MD, PhD Cao Lab
	9:40 am	Enhanced Engulfment of Apoptotic Targets by Bone Marrow Stromal Cells Increases Their Senescence, Decreases Bone, and Causes Myeloid Skewing	Emily Quarato, PhD Calvi Lah
Post-	9:55 am	Lysosomal-associated Protein Transmembrane 5 (LAPTM5) Maintains Osteoblast Formation in Young Mice by Inducing Autophagy in BM-MSCs and Its Degradation Causes Age-related Bone Loss	Jun Wu, PhD Boyce Lab
	10:10 am	PRDM16 Maintains Cartilage Homeostasis by Modulating Chondrocyte Phenotypes Break	Eloise Fadial, BS, MS Wu Lab
Pre-Doctoral Trainees	10:25 am	Local Bone Remodeling Drives Clonal Expansion and Niche Interactions of Hematopoietic Stem Cells	Cih-Li (Amy) Hong, DVM Yeh Lab
	10:40 am	Break	
	11:00 am	Deciding to Participate: Why It's Important?	Laura Saxby Lynch MSKI Council Member
	11:10am	Enabling New Insights into the Human Immune Response to Staphylococcus Aureus with a Dual-scale StaphAIR Biosensor	Alanna Klose, MS Miller Lab
	11:25 am	Validating Anti-S. Aureus Immunotherapies via Time-Lapse Fluorescent Confocal Microscopy of Neutrophil Survival, Swarming, and Opsonophagocytosis of Bacteria on Metal Implants	Sashank Lekkala, MS Schwarz Lab
	11:40 am	Fluid Flow Impacts Endothelial-Monocyte Interactions in a Model of Vascular Inflammatory Fibrosis	Isabelle Linares, MS Awad Lab
	11:55 pm	Optimizing Tissue Engineered Periosteum Biochemical Cues to Hasten Allograft Healing	Alyson March, BS, MS Benoit Lab
	12:10 pm	Three-Minute Teasers (3MT) – Finalists for Best Poster Presentations	
	12:50 pm	Annual CMSR Photo Class of '62 Auditorium (G-9425), URM	

Plenary Session

1:15 pm

Class of '62 Auditorium (G-9425), URMC

Sarah Flaum Atrium (G-9500), URMC

CMSR Faculty Spotlight

2:30 pm **Veronica Ulici, MD, PhD**

Lunch & Poster Session

The Role of PI3K/Akt and JNK Signaling Pathways in Long Bone and Axial Skeleton Development

3:00 pm Andrew Berger, PhD

Of Mice and Humans: Trying to Prescreen for Osteoporosis Using Infrared Light

3:30 pm **Benjamin Miller, PhD**

Continuous Monitoring of Cytokine Secretion in a Human Tendon on a Chip

Keynote Presentation

4:00 pm Jennifer J. Westendorf, PhD

PHLPP1 and Injury-Induced Osteoarthritis

5:30 pm Dinner and Rosier Awards Presentation



Sarah Flaum Atrium (G-9500), URMC

