

15th Annual CENTER for MUSCULOSKELETAL RESEARCH Symposium

Thursday, October 30, 2025



Zoom Link

[Click here to join Zoom Webinar](#)

Clinical Hour Presentations

- 7:00 am *Welcome & Introduction*
- 7:05 am *Increased Rate of Distal Radius Nonunion Associated with NSAID Use Within Thirty Days of Fracture*
- 7:16 am *The Effect of Lumbar Decompression on Functional Transitions in Patients with Lumbar Spinal Stenosis: Clinical and Biomechanical Evidence*
- 7:27 am *Ulnar Nerve Transposition in Cubital Tunnel Release: Indications and Surgeon Rationale*
- 7:38 am *ACL Reconstruction Improves Patient Reported Outcomes Regardless of Social Deprivation and Socioeconomic Factors*
- 7:49 am *Racial Differences in Rates of Surgical and Non-Surgical Treatment of Complete Rotator Cuff Tears: A Propensity-Matched Database Study of 75,918 Patients*

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

- Paul Rubery, MD**
- Andrew Park, MD**
Constantinos Ketonis, MD, PhD
- Prasanth Romiyo, MD**
Ram Haddas, PhD, MBA
- Justin Wong, MPH**
Constantinos Ketonis, MD, PhD
- Omkar Prabhavalkar, BA**
Sandeep Mannava, MD, PhD
- Nicholas Morriss, MD**
Sandeep Mannava, MD, PhD

Rosier Award Presentations

- 9:00 am *Welcome & Introduction*
- 9:10 am *Discovery of Telocytes within the Synovial Lymphatic System and their Role in Resolving Inflammatory Arthritis*
- 9:22 am *Integrated Imaging and Spatial Transcriptomic Analyses of Blood Vessel Coupling to Healing Tissue During Auto and Allograft Bone Transplantation*
- 9:34 am *The Role of Mitochondrial Dynamics in Bone Marrow Stromal Cell Efferocytosis*
- 9:46 am *Macrophage Dysfunction Enhances Bone Marrow Stromal Cell Efferocytosis and Accelerates Bone Marrow Aging*
- 9:58 am **Break**
- 10:20 am *The Importance of Investing in Musculoskeletal Research from a Community Perspective*
- 10:32 am *Taurine Transporter SLC6A6 Expression Promotes Mesenchymal Stromal Cell Function*
- 10:44 am *Compartmentalized Inflammatory Landscape and Macrophage Plasticity Regulate Tet2^{+/-} Mediated clonal hematopoiesis*
- 10:56 am *TREM1 Promotes Neutrophil Extracellular Trap Release Associated with Latent TGFβ1 Activation to Induce Age-related Osteoporosis*
- 11:08 am *CNN-Based Evaluation of Wrist Bone Health and Fracture Risk Using Raman Spectroscopy of the Proximal Phalanx*
- 11:20 am *Three-Minute Teasers (3MT) – Finalists for Best Poster Presentations*

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

- Paul Rubery, MD**
Hani Awad, PhD
- Yue Peng, PhD**
Schwarz Lab
- Xiaojie Xing, PhD**
Zhang Lab
- Sandra Castillo Aguirre, MS**
Eliseev Lab
- Zhiming (Sam) Jin, MS**
Calvi Lab

Post-Doctoral
Fellows

Pre-Doctoral
Trainees

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

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Sarah Flaum Atrium (G-9500), URM

Plenary Session

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CMSR Faculty Spotlight

- 2:30 pm **Cherice Hill, PhD**
Biomechanical Motion Analysis in Non-Research Spaces
- 3:00 pm **Rebecca Irwin, PhD**
Advancing How We Study Spine Health: Intravital Imaging and Models of Age-Related Change
- 3:30 pm **Jeevisha Bajaj, PhD**
Osteolineage Cells Support Leukemia Progression

Keynote Presentation

- 4:00 pm **Robert L. Satcher, MD, PhD**
The TGFβ1 'Vicious Cycle': Does it explain treatment resistance for bone metastasis?

- 6:00 pm *Dinner and Rosier Awards Presentation*

Sarah Flaum Atrium (G-9500), URM

