



Sixth Annual CMSR Symposium

Wednesday, September 28, 2016 • Flaum Atrium and Class of '62 Auditorium

**Rosier Award
Finalist
Presentations**
Class of '62 Auditorium

8:55 a.m.	Welcome & Introduction	Michael Zuscik, PhD
9:00 a.m.	A High Fat Diet Reduces Bone Strength by Altering Bone	Michael-John Beltejar (Ackert-Bicknell Lab)
9:15 a.m.	Sustained IKK β Activation in Postnatal Chondrocytes Accelerates the Onset of Age-associated Murine Osteoarthritis	Sarah Catheline (Jonason Lab)
9:30 a.m.	Role of Regulatory Volume Decrease in Protective Mechanical Adaptation of Articular Chondrocytes	Alexander Kotelsky (Buckley Lab)
9:45 a.m.	Cartilage-derived Matrices in Conjunction with PTH Treatment Aid in Cartilage Repair and Integration in a Rabbit Cartilage Defect Model	Sara Nowacki (Awad Lab)
10:00 a.m.	Cyclophilin D Knock-out Mice Show Enhanced Resistance to Osteoporosis and to Metabolic Changes Observed in Aging Bone	Laura Shum (Eliseev Lab)
10:15 a.m.	Elucidating the Mechanism of Anti-IsdB Antibody-Mediated Sepsis and Death from <i>S. Aureus</i> Implant-Associated Osteomyelitis	Masahiro Ishikawa, MD, PhD (Schwarz and Daiss Labs)
10:30 a.m.	Novel Physical Therapy Protocol Results in Increased Compressive Strain and Improved Outcomes in Insertional Achilles Tendinopathy	Meghan Kelly, MD, PhD (Buckley Lab)
10:45 a.m.	SMAD4 is Required for Proper Function of Skeletal Muscle Stem Cells During Regeneration in Aged and Young Mice	Nicole Paris, PhD (Chakkalakkal Lab)

11:00 a.m. Poster Session in the Flaum Atrium

Plenary Lectures
Class of '62 Auditorium

1:30 p.m.	Sex Differences in Inflammatory Arthritis	Homaira Rahimi, MD, MTR
2:00 p.m.	Leukemic Reprogramming of the Bone Marrow Microenvironment through the Chemokine CCL3	Benjamin Frisch, PhD
2:30 p.m.	Defining the Pro-fibrotic, Scar Forming Cell Population During Tendon Healing	Alayna Loiselle, PhD

**Keynote
Presentation**

Class of '62 Auditorium

3:15 p.m. **Regulation of Tendon Differentiation and Maturation and Musculoskeletal Integration**
Ronen Schweitzer, PhD

Dr. Ronen Schweitzer is an internationally recognized leader in the tendon biology field with a research focus on the differentiation and patterning of tendons during embryonic vertebrate development. Dr. Schweitzer, an investigator at Portland Shriners Research Center, is Associate Professor of Cell and Developmental Biology at Oregon Health and Science University.

