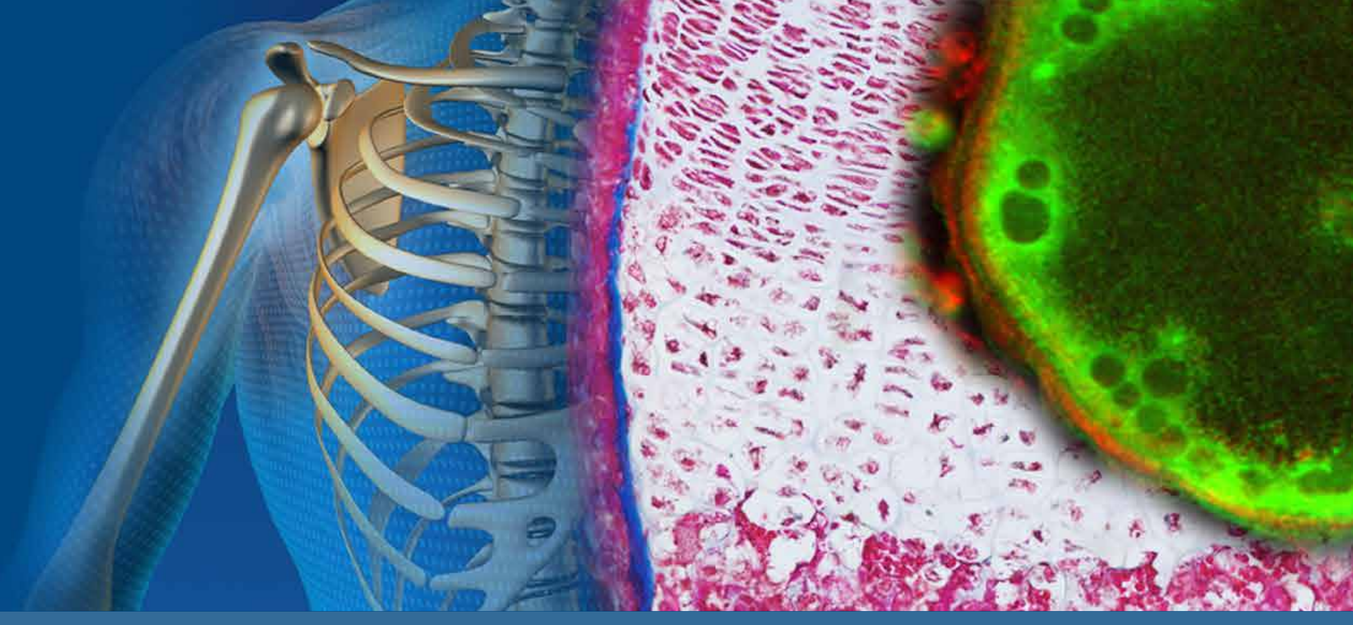
CENTER *for* MUSCULOSKELETAL RESEARCH



Third Annual CMSR Symposium

September 18, 2013 • Flaum Atrium and Class of ’62 Auditorium

Trainee Presentations
Class of ’62 Auditorium

9:55 a.m.	Welcome and Introduction	**Michael Zuscik, PhD**
10:00 a.m.	High Fat Diet Increases Bacterial Load and Osteolysis, Decreases Humoral Immune Response in Implant Associated Osteomyelitis	**Christopher Farnsworth**
10:15 a.m.	TGF-β1 Decreases Plasmin-Mediated MMP Activity in Flexor Tendon Cells: Implications for Scarless Tendon Repair	**Youssef Farhat**
10:30 a.m.	In vivo Quantification of Lymph Viscosity and Pressure in Lymphatic Vessels and Draining Lymph Nodes Afferent to Arthritic Joints in Mice	**Echoe Bouta**
10:45 a.m.	Loss of Notch Signaling in Skeletogenic Mesenchymal Stem Cells Results in Fracture Non-union	**Cuicui Wang**
11:00 a.m.	Dnmt3b is a Critical Target Gene during the Development of Osteoarthritis	**Jie Shen, PhD**
11:15 a.m.	Selective Insulin-dependent Suppression of TNFα-induced Catabolic Gene Expression in Fibroblast-like Synoviocytes	**Daisuke Hamada, MD**

11:30 a.m. Poster Session and Lunch in the Flaum Atrium

Plenary Lectures
Class of ’62 Auditorium

1:30 p.m.	Promoting Allograft Remodeling Through Mesenchymal Stem Cell Transplantation Strategies	**Danielle Benoit, PhD**
2:10 p.m.	Therapeutic Manipulation of Stem Cell Niches in the Bone Marrow Microenvironment	**Laura Calvi, MD**
2:50 p.m.	Age-related Deficits in Skeletal Muscle Resident Stem Cell Pool Function and Maintenance	**Joe Chakkalakal, PhD**

Keynote Presentation
Class of ’62 Auditorium

3:30 p.m.

Exhaustion of Muscle Progenitor Cells During Disease and Aging: Implication for Stem Cell Therapy

Johnny Huard, PhD

Johnny Huard, PhD, of the University of Pittsburgh is a professor in the Departments of Orthopaedic Surgery, Molecular Genetics, Biochemistry, Bioengineering, Pathology and also the director of the Stem Cell Research Center. He is the Henry J. Mankin Endowed Chair in Orthopaedic Surgery Research. Dr. Huard is also deputy director for cellular therapy at the McGowan Institute for Regenerative Medicine (MIRM) and an associate director of the Pittsburgh Tissue Engineering Initiative.

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