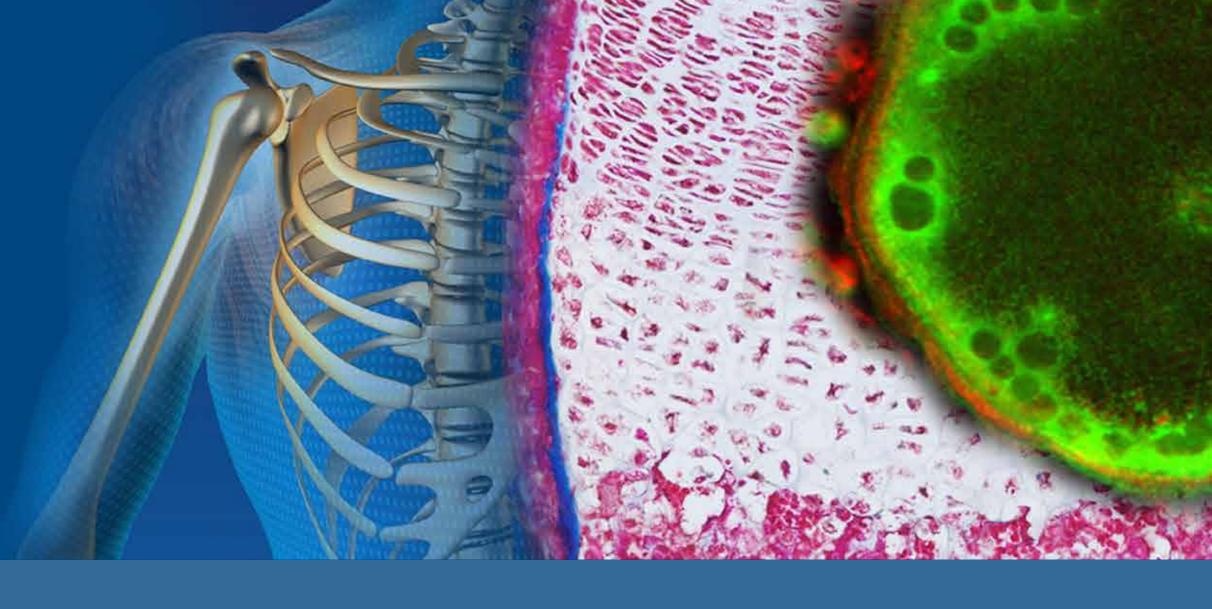
Center for MusculoSkeletal Research



Fourth Annual CMSR Symposium

September 10, 2014 • Flaum Atrium and Class of '62 Auditorium

Trainee Presentations Class of '62 Auditorium	8:25 a.m.	Welcome & Introduction	Michael Zuscik, PhD
	8:30 a.m.	Development and In Vitro Assessment of Enzymatically-responsive poly(ethylene glycol) Hydrogels for the Delivery of Therapeutic Peptides	Amy Van Hove
	8:45 a.m.	A Therapeutic Approach for the Treatment of Peripheral Nerve Crush Injury Using Slow-Release 4-Aminopyridine (4-AP)	Chris Tseng
	9:00 a.m.	Depletion of Stem Cells Leads to Loss of Strength Not Size in Neurogenic Atrophied Skeletal Muscle	Wenxuan Liu
	9:15 a.m.	EP1 Deletion Enhances Mitochondrial Activity in Mesenchymal Stem Cells and Promotes Osteogenicity	Marina Feigenson
	9:30 a.m.	Jagged1 Maintains Bone Homeostasis by Regulating Osteolineage Differentiation	Bisi Lawal
	9:45 a.m.	Multiplex Analysis of Serum IgG Against 14 S. aureus Antigens Identifies an Evolutionarily Conserved Host Response and Humoral Immunity Against IsdA and IsdB as Virulence Factors Associated with Death in Patients with S. aureus Deep Musculoskeletal Infection	Kohei Nishitani, MD PhD
	10:00 a.m.	Anti-Autolysin Monoclonal Antibodies as a Passive Immunization Against Methicillin-Resistant Staphylococcus aureus (MRSA) Implant-associated Osteomyelitis	Sheila Bello-Irizarry, PhD
	10:15 a.m.	Exposure of MSCs to Methacrylate-Based Polymerizations Increases Cellular ROS and Reduces Differentiation Capacity	Michael Hoffman, PhD

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

Plenary Lectures Class of '62 Auditorium	1:00 p.m.	In Vivo & In Vitro Evaluation of the Role of Mechanics in Musculoskeletal Diseases	Mark Buckley, PhD
	1:40 p.m.	Comparative Aspects of Osteosarcoma: The Translational Bridge	Nicole Ehrhart, VMD
	2:20 p.m.	The Gold Standard for Geriatric Fracture Care: The Rochester Model	Stephen Kates, MD

Keynote
Presentation
Class of '62 Auditorium

3:15 p.m. Alternative Bearing Surfaces for Total Joint Replacement

Timothy Wright, PhD

Dr. Timothy Wright is an internationally renowned expert in orthopaedic biomechanics and biomaterials. Dr. Wright is the F.M. Kirby Chair of Orthopaedic Biomechanics & Senior Scientist at Hospital for Special Surgery, Professor of Applied Biomechanics at Weill Medical College of Cornell University, Member of the Biomedical Engineering program at Cornell University, Program Director of a Ruth L. Kirschstein T32 Training Program in Musculoskeletal Science, and Coordinating Director of the NIH-funded Weill Cornell Clinical and Translational Science Center.

