Visiting Professorship Series-Academic Year 2020-2021 (partial year scheduled so far)

Tuesday, January 12, 2021, 1:30pm – 2:30pm, Virtual Seminar Link https://bluejeans.com/491611470
(This event is co-sponsored by the IRM)
Title: Biomanufacturing, Biomaterials and Biomechanics for Improved Treatment of Volumetric Muscle Loss Injuries
George Christ, Ph.D., Professor of Biomedical Engineering and Orthopaedic Surgery; Mary Muilenburg Stamp Professor of Orthopaedic Research; Director of Basic and Translational Research in Orthopaedic Surgery; University of Virginia

Tuesday, December 8, 2020, 1:30pm – 2:30pm, Virtual Seminar Link https://bluejeans.com/491611470
Title: Skeletal Dysplasia in Neurofibromatosis Type 1
Florent Elefteriou, Ph.D., Associate Professor of Orthopaedic Surgery and Molecular and Human Genetics Associate Director for the Center for Skeletal Medicine and Biology

Wednesday, November 18, 2020, 9:00am – 12:00pm, Virtual Symposium (link to follow)
ANNUAL SCIENTIFIC SYMPOSIUM
Keynote Speaker - Richard L. Lieber, Ph.D., Chief Scientific Officer and Senior Vice President, Shirley Ryan Ability Lab
Professor of Physiology and Biomedical Engineering, Northwestern University

Tuesday, October 20, 2020, 1:30pm – 2:30pm, Virtual Seminar Link https://bluejeans.com/491611470
Title: Gauging Tendon Mechanics by Observing Tissue Dynamics
Darryl Thelen, Ph.D., Professor: Mechanical Engineering and Biomedical Engineering Affiliate Professor: Orthopedics and Rehabilitation, University of Wisconsin-Madison

Tuesday, September 8, 2020, 1:30pm – 2:30pm, Virtual Seminar Link https://bluejeans.com/491611470
(This event is co-sponsored by the IRM)
Title: Regenerative Rehabilitation: Applied biophysics meets stem cell therapeutics
Fabrisia Ambrosio, Ph.D., MPT, Associate Professor of Physical Medicine & Rehabilitation Director of Rehabilitation for UPMC International, University of Pittsburgh

Visiting Professorship Series-Academic Year 2019-2020

Tuesday, June 2, 2020, 1:30pm – 2:30pm, CRB Austrian Auditorium Cancelled due to COVID-19; rescheduled January 12, 2021
Title: Biomanufacturing, Biomaterials and Biomechanics for Improved Treatment of Volumetric Muscle Loss Injuries
George Christ, Ph.D., Professor of Biomedical Engineering and Orthopaedic Surgery; Mary Muilenburg Stamp Professor of Orthopaedic Research; Director of Basic and Translational Research in Orthopaedic Surgery; University of Virginia

Tuesday, May 5, 2020, 1:30pm – 2:30pm, CRB Austrian Auditorium Cancelled due to COVID-19; rescheduled October 20, 2020
Title: Gauging Tendon Mechanics by Observing Tissue Dynamics
Darryl Thelen, Ph.D., Professor: Mechanical Engineering; Professor: Biomedical Engineering Affiliate Professor: Orthopedics and Rehabilitation, University of Wisconsin-Madison
Tuesday, April 14, 2020, 1:30pm – 2:30pm, CRB Austrian Auditorium Cancelled due to COVID-19; rescheduled September 8, 2020 (This event is co-sponsored by the IRM)
Title: Regenerative Rehabilitation: Applied biophysics meets stem cell therapeutics
Fabrisia Ambrosio, Ph.D., MPT, Associate Professor of Physical Medicine & Rehabilitation
Director of Rehabilitation for UPMC International, University of Pittsburgh

Tuesday, March 17, 2020, 1:30pm – 2:30pm, CRB Austrian Auditorium Cancelled due to COVID-19; rescheduled December 8, 2020
Title: Skeletal Dysplasia in Neurofibromatosis Type 1
Florent Elefteriou, Ph.D., Associate Professor of Orthopaedic Surgery and Molecular and Human Genetics
Associate Director for the Center for Skeletal Medicine and Biology

Tuesday, February 25, 2020, 1:30pm – 2:30pm, CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: Microtubules, Osteocyte Mechanotransduction, and the Surprising Regulation of Sclerostin"  
Joseph P. Stains, Ph.D., Associate Professor of Mechanical Engineering, Interim Director of Musculoskeletal Research, University of Maryland

Tuesday, January 21, 2020, 1:30pm – 2:30pm, CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: Imaging across scales: visualizing tissue to subcellular mechanobiology in cartilage health and disease.
Corey Neu, Ph.D., Donnelly Family Endowed Associate Professor of Mechanical Engineering, University of Colorado

Tuesday, December 10, 2019, 1:30pm – 2:30pm, CRB Austrian Auditorium
Title: Osteoarthritis: Thinking Beyond the Cartilage
Kyle Allen, Ph.D., Associate Professor, Associate Chair for UG Studies, ABET Coordinator, J. Crayton Pruitt Family Department of Biomedical Engineering, University of Florida

Friday, November 22, 2019, 2:00pm – 3:00pm, CRB Austrian Auditorium
Title: Elucidating the Role of Lymphatic Dysfunction in Arthritic Flare
Edward Schwarz, Ph.D., Burton Professor of Orthopaedics, Director of the Center for Musculoskeletal Research
University of Rochester

Wednesday, November 13, 2019, 8:00am – 6:00pm, Smilow Rubinstein Auditorium/Commons
ANNUAL SCIENTIFIC SYMPOSIUM (all day event)
Keynote Speaker - Anthony Ratcliffe, Ph.D., President and CEO of Synthasome, Inc.

Tuesday, October 15, 2019, 1:30pm – 2:30pm CRB Austrian Auditorium
Title: Osteocytes and Connexin Channels in Mechanotransduction and Hormonal Response in Bone
Jean Jiang, Ph.D., Professor and Zachry Distinguished University Chair, Department of Biochemistry and Structural Biology, UT Health San Antonio

Tuesday, September 17, 2019, 1:30pm – 2:30pm, CRB Austrian Auditorium
Title: Towards a better understanding of Musculoskeletal development and arthritis pathogenesis: A Systems approach
Hiroshi Asahara, M.D., Ph.D., Professor of MEM, Department of Molecular Medicine, Scripps Research, California Campus

Visiting Professorship Series-Academic Year 2018-2019

Tuesday, June 4, 2019, 1:30pm – 2:30pm, CRB Austrian Auditorium
Title: Advanced Imaging for Characterizing Hip Joint Osteoarthritis
Richard Souza, PT, PhD, Professor, Vice Chair for Research, Program Director, PhD in Rehabilitation Science
Department of Physical Therapy and Rehabilitation Science, Department of Radiology and Biomedical Imaging
University of California, San Francisco
Tuesday, April 30, 2019, 1:30pm – 2:30pm, CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: Skeletal Stem Cells
Michael Longaker, MD, MBA, FACS, Deane P. & Louise Mitchell Professor, Vice Chair, Department of Surgery Co-Director, Institute for Stem Cell Biology & Regenerative Medicine, Director, Program in Regenerative Medicine Director, Children's Surgical Research, Stanford University School of Medicine, Hagey Laboratory for Pediatric Regenerative Medicine

Tuesday, March 12, 2019, 1:30pm – 2:30pm, CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: Biomaterials based strategies for repair of rotator cuff tendon and muscle
Johnna Temenoff, PhD, Professor, Wallace H. Coulter Department of Biomedical Engineering, Georgia Institute of Technology and Emory University

Tuesday, February 12, 2019, 1:30pm – 2:30pm, CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: Circadian clock regulation of collagen homeostasis
Karl Kadler, BSc, PhD, Professor of Biochemistry, Director, Wellcome Trust Centre for Cell-Matrix Research Director, Cellular & Developmental Systems Domain, Faculty of Biology, Medicine and Health, University of Manchester, UK

Friday, January 18, 2019, 12:00pm – 1:00pm, CRB Austrian Auditorium
Title: Understanding muscle stem cell regenerative decline with aging
Pura Munoz-Canoves, PhD, Professor Universitat Pompeu Fabra (UPA) and ICREA, Barcelona, Spain

Tuesday, December 11, 2018, 3:00pm – 4:00pm, JMB Class of 62 Auditorium
Title: A novel Hyaluronan-binding Peptide improves Cartilage Repair
Thorsten Kirsch, Ph.D., Professor, Vice Chair for Research, Director, Musculoskeletal Research Center Department of Orthopaedic Surgery, NYU Langone Medical Center

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Wednesday, November 7, 2018, 8:00am – 6:00pm, Smilow Rubinstein Auditorium/Commons
Title: Skeletal Dysplasia's: Informing Skeletal Function & Homeostasis
Brendan Lee, M.D., Ph.D., Robert and Janice McNair Endowed Chair in Molecular and Human Genetics Professor and Chairman, Department of Molecular and Human Genetics, Baylor College of Medicine

Tuesday, October 23, 2018, 3:00pm – 4:00pm, John Morgan Building (JMB) Class of 62 Auditorium
Title: Comparative and MRI Studies of Developmental Orthopedic Disease
Cathy Carlson, DVM, PhD, DACVP, Professor and Chair, Veterinary Clinical Sciences Department, College of Veterinary Medicine, University of Minnesota (ORS Pennsylvania & Northeast Regional Meet & Greet)

Tuesday, September 25, 2018, 1:30pm – 2:30pm, CRB Austrian Auditorium
Title: Musculoskeletal Microbiology
Christopher Hernandez, Ph.D., Associate Professor, Sibley School of Mechanical and Aerospace Engineering Meinig School of Biomedical Engineering, Cornell University

Visiting Professorship Series-Academic Year 2017-2018

Tuesday, May 8, 2018, 1:30pm – 2:30pm, CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: Regulation of stem cell fate through niche-derived signals and mechanical forces.
Sara Wickström, M.D., Ph.D., Associate Professor, Principle Investigator, University of Helsinki, Finland

Tuesday, April 24, 2018, 1:30pm – 2:30pm, CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: Orthopedic Applications of Gene Therapy.
Tuesday, March 27, 2018, 1:30pm – 2:30pm, CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: Modular inductive high-density cell culture systems for engineering complex tissues.
Eben Alsberg, Ph.D. Professor of Biomedical Engineering and Orthopaedic Surgery, Director of ASCENT Lab Case Western Reserve University

Tuesday, February 13, 2018 1:30-2:30pm/CRB Austrian Auditorium
Title: Notch Signaling and the Skeleton
Ernesto Canalis, M.D., Professor of Orthopaedic Surgery and Medicine, Director of Center for Skeletal Research
University of Connecticut

Tuesday, January 16, 2018 1:30-2:30pm/CRB Austrian Auditorium
Title: Parathyroid Hormone and Related Peptides Signaling to the Nucleus of Osteoblasts.
Nicola C. Partridge, Ph.D., Professor & Chair, Departments of Medicine, Biochemistry & Molecular Pharmacology, & Basic Science & Craniofacial Biology, College of Dentistry, New York University School of Medicine

Tuesday, December 5, 2017 1:30-2:30pm/CRB Austrian Auditorium
Title: Osteocytes and Bone Remodeling: They’re Just Dying to do the Job.
Mitchell B. Schaffler, Ph.D., CUNY & Wallace Coulter Distinguished Professor of Biomedical Engineering Chairman, Department of Biomedical Engineering, The City College of New York, City University of New York

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Wednesday, November 15, 2017, 8:00-6:30pm/BRB Auditorium
Title: Toward Bioengineering Translation
Kyriacos Athanasiou, Ph.D., Distinguished Professor, Department of Biomedical Engineering, University of California, Irvine

Tuesday, October 24, 2017, 1:30-2:30pm/CRB Austrian Auditorium
Title: How Can We Improve Translation of Pre-Clinical Osteoarthritis Research to Patients?
Christopher Little, B.V.M.S., Ph.D., Director, Raymond Purves Bone & Joint, Research Laboratories, Kolling Institute, Institute of Bone & Joint Research, University of Sydney

Tuesday, September 12, 2017, 1:30-2:30pm/CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: Cartilage Repair and Osteoarthritis in Genetic Mouse Models
Linda Sandell, Ph.D., Mildred B. Simon Research Professor & Director of Research, Washington University

Visiting Professorship Series-Academic Year 2016-2017

Tuesday, June 2017 1:30-2:30pm/CRB Austrian Auditorium Cancelled; rescheduled December 2017
Title: Osteocytes and Bone Remodeling: They’re Just Dying to Do the Job.
Mitchell B. Schaffler, Ph.D., CUNY and Wallace Coulter Distinguished Professor of Biomedical Engineering Chairman, Department of Biomedical Engineering, The City College of New York, City University of New York

Tuesday, May 2017, 1:30-2:30pm/CRB Austrian Auditorium
Title: NF-Kb Signaling in Muscle Growth and Disease
Denis C. Guttridge, Ph.D., Professor, Department of Cancer Cachexia & Genetics and Director, Research & Management for Cancer Cachexia, Ohio State University

Tuesday, April 4, 2017, 1:30-2:30pm/CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: MSC’s and Immunomodulation: Are We Moving Closer to Allogeneic Use?
Laurie Goodrich, D.V.M., Ph.D., Associate Professor of Orthopaedics, Department of Clinical Sciences Colorado State University
Tuesday, March 14, 2017, 1:30-2:30pm/CRB Austrian Auditorium Cancelled; rescheduled September 2017 (This event is co-sponsored by the IRM)
Title: Cartilage Repair and Osteoarthritis in Genetic Mouse Models
Linda Sandell, Ph.D., Mildred B. Simon Research Professor & Director of Research, Washington University

Tuesday, February 7, 2017, 1:30-2:30pm/CRB Austrian Auditorium
Title: Cell-Independent Manipulation of Bone Matrix Properties: A Novel Treatment Strategy for Osteoporosis & Type 2 Diabetes.
David Burr, Ph.D., Professor of Anatomy & Cell Biology, Professor, Department of Biomedical Engineering Indiana University

Tuesday, January 10, 2017, 1:30-2:30pm/CRB Austrian Auditorium
Title: Studying Bone as A Complex Adaptive System Reveals Inter-Individual Differences In Skeletal Growth and Aging.
Karl Jepsen, Ph.D., Professor, Associate Chair of Research, Department of Orthopaedic Surgery, University of Michigan

Tuesday, December 13, 2016, 1:30-2:30pm/JMB Class of '62 Auditorium Cancelled; rescheduled June 2017
Mitchell B. Schaffler, Ph.D., CUNY and Wallace Coulter Distinguished Professor of Biomedical Engineering Chairman, Department of Biomedical Engineering, The City College of New York, City University of New York

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Wednesday, November 9, 2016, 9:00-5:30pm/BRB Auditorium
Title: Strategies for Improving Bone Properties in Patients with Osteogenesis Imperfecta
Matthew Warman, M.D., Professor, Department of Genetics, Harvard Medical School

Tuesday, October 25, 2016, 1:30-2:30pm/JMB Class of '62 Auditorium
Title: Musculoskeletal Adaptation to Space Flight.
Henry J. Donahue, Ph.D., Professor & Chair, Department of Biomedical Engineering, Virginia Commonwealth University, Richmond

Tuesday, September 20, 2016, 1:30-2:30pm/JMB Class of '62 Auditorium
Title: Mechanisms of Chondroprotection by TGF-β.
Rosa A. Serra, Ph.D., Professor, Department of Cell, Developmental & Integrative Biology, University of Alabama at Birmingham

Visiting Professorship Series-Academic Year 2015-2016

Tuesday, May 17, 2016, 1:30-2:30/CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: Microenvironmental Regulation of Skeletal Muscle Stem Cell Function
Alessandra Sacco, Ph.D. Associate Professor, Development, Aging & Regeneration Program (Dare), Sanford Burnham Medical Research Institute

Tuesday, April 19, 2016, 1:30-2:30pm/CRB Austrian Auditorium (This event is co-sponsored by the IRM)
Title: Genome and Epigenome Editing for Gene Therapy and Programming Cell Fate
Charles Gersbach, Ph.D., Associate Professor of Biomedical Engineering and Assistant Professor of Orthopaedic Surgery, Duke University

Tuesday, March 22, 2016, 1:30-2:30pm/ Class of 62 Auditorium, JMB
Title: Scar Wars: New Frontiers in Flexor Tendon Repair
Hani Awad, Ph.D., Professor of Biomedical Engineering and Professor of Orthopaedics, University of Rochester

Tuesday, February 16, 2016, 1:30-2:30pm/ CRB Austrian Auditorium
Title: Unravelling the Neurobiology of Osteoarthritis Pain
Anna-Marie Malfait, M.D., Ph.D., Associate Professor of Medicine & Biochemistry, Rush University Medical Center
Tuesday, January 19, 2016, 1:30-2:30pm/ CRB Austrian Auditorium
Title: Role of Connexin43 In Cortical Bone Adaptation To Mechanical Load
Roberto Civitelli, M.D., Ph.D., Associate Professor of Chemical & Biological Engineering, Biofrontiers Institute

Tuesday, December 15, 2015, 1:30-2:30pm/CRB Auditorium
Title: TGF-Beta Integration of Physical and Biochemical Cues In the Skeleton
Tamara Alliston, Ph.D., Associate Professor, Department of Orthopaedic Surgery, University of California, San Francisco

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Thursday, November 19, 2015, 9:30-5:30pm/BRB Auditorium
Title: Treatment of Musculoskeletal Diseases with a Little Help from your Own Stem Cells
Nancy Lane, M.D., Director, Center for Musculoskeletal Health, UC Davis Health System

Tuesday, October 20, 2015, 1:30-2:30pm/8-146 SCTR
Title: A Runted Tale of Skeletal Homeostasis and Repair
M. Hicham Drissi, Ph.D., Professor of Orthopaedic Surgery, UConn Health

Tuesday, September 8, 2015, 1:30-2:30pm/8-146 SCTR
Title: Evolving Roles of Prolyl Hydroxylases in Intervertebral Disc Health and Disease
Markarand V. Risbud, Ph.D., Professor of Orthopaedic Surgery; Director, Spine Research Program
Sidney Kimmel Medical College, Thomas Jefferson University

Visiting Professorship Series-Academic Year 2014-2015

Thursday, July 23, 2015, 1:30-2:30pm/8-146AB SCTR
Title: The Osteoimmunology of Bone Infection and Development of a Passive Immunization for MRSA Osteomyelitis
Edward Schwarz, Ph.D., Professor of Orthopaedics & Associate Director of the Center for Musculoskeletal Research
University of Rochester, Rochester, NY

Tuesday, June 23, 2015, 1:30-2:30pm/BRB 252 PCM.D.-PCI Industrial Interaction Seminars
Title: Working with The Penn Center for Innovation To Protect and Commercialize Your Research.
Viviane Martin, Ph.D., Director, PSOM Licensing Group, Penn Center for Innovation
Sarah Frew, MBA, Director, Corporate Contracts & Alliances, Penn Center for Innovation

Friday, May 22, 2015, 11:00am-12:00pm/BRB 252
Title: Effects of Space Travel On Spine Function and Injury Tolerance
Jeffrey Lotz, Ph.D., Professor of Orthopaedic Surgery, Director of The Orthopaedic Bioengineering Laboratory
University of California, San Francisco

Tuesday, May 12, 2015, 1:30-2:30pm/10-146 SCTR
Title: Cell and Extracellular Matrix Dynamics In Skeletal Tissues
Sarah L. Dallas, Ph.D., Professor of Oral & Craniofacial Sciences, University of Missouri, Kansas City

Tuesday, April 21, 2015, 1:30-2:30pm/10-146 SCTR
Title: Orthopedic Tissue Engineering by Epigenetic Landscaping
Andre J. Van Wijnen, Ph.D., Professor of Orthopedic Surgery & Biochemistry & Molecular Biology, Mayo Clinic

Tuesday, March 10, 2015, 1:30-2:30pm/11-146 SCTR
Title: “Bone Health in Microgravity — Use It or Lose It”
Mary L. Bouxsein, Ph.D., Associate Professor of Orthopedic Surgery, Harvard Medical School

Tuesday, February 10, 2015, 1:30-2:30pm/10-146 SCTR
Title: Pluripotent Stem Cell Repair of Osteochondral Defects
Darryl D’Lima, M.D., Ph.D., Associate Professor, Scripps Translational Science Institute
Tuesday, January 20, 2015, 1:30-2:30pm/10-146 SCTR
Title: Synthetic Hydrogel Niches for Musculoskeletal Tissue Engineering
Stephanie J. Bryant, Ph.D., Associate Professor of Chemical & Biological Engineering, Biofrontiers Institute

Tuesday, December 09, 2014, 1:30-2:30pm/10-146 SCTR
Title: Small Leucine Rich Proteoglycans: Fine Tune Regulators of Skeletal Function
Marian F. Young, Ph.D., Chief of The Molecular Biology of Bones & Teeth Section, National Institutes of Health/NIDCR

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Wednesday, November 14, 2014, 10:45-5:30pm/BRB Auditorium
Title: How Pthrp Regulates Chondrocyte Differentiation
Henry M. Kortenberg, M.D., Professor of Medicine, Harvard Medical School

Tuesday, October 28, 2014, 1:30-2:30pm/10-146 SCTR
Title: The Strategic Role of Parathyroid Hormone in Resolution of Osseous Healing and Regeneration of Bone
Laurie K. McCauley, DDS, Ph.D., William K. & Mary Anne Najjar Professor, University of Michigan

Tuesday, September 16, 2014, 1:30-2:30pm/11-146 SCTR
Title: Development of a Gene-Based Therapy for Osteoarthritis: Safety and Efficacy in an Equine Model
Steven C. Ghivizzani, Ph.D., Professor of Orthopaedics & Rehabilitation, University of Florida

Visiting Professorship Series-Academic Year 2013-2014

Tuesday, May 13, 2014, 1:30-2:30/CRB Austrian Auditorium
Title: A Translational Approach to Development of Novel Treatments for Osteoarthritis-Associated Pain and Joint Tissue Structural Failure
Gloria Matthews, DVM, Ph.D., DACVS, Senior Director of Orthopaedic/Regenerative Medicine Research &Early Development, Genzyme, A Sanofi Company

Tuesday, April 22, 2014, 1:30-2:30pm/CRB Austrian Auditorium
Title: Dissecting the Mechanisms of Anabolic Signaling In Bone
Fanxin Long, Ph.D., Professor of Internal Medicine Endocrinology, Metabolism & Lipid Research, Washington University, St Louis

Tuesday, March 25, 2014, 1:30-2:30/CRB Austrian Auditorium
Title: Structure and Symptom Modifying Therapies for Painful Disc Degeneration
James C. Iatridis, Ph.D., Professor & Director of Spine Research, Mount Sinai School of Medicine

Tuesday, February 18, 2014, 1:30-2:30pm/CRB Austrian Auditorium
Title: Solid State MR Spectroscopy and Imaging of Bone Mineral and Matrix
Jerome L. Ackerman, Ph.D., Associate Professor in Radiology, Harvard Medical School

Tuesday, January 21, 2014, 1:30-2:30pm/CRB Austrian Auditorium
Title: Osseointegration Past Present and Future
Mathias Bostrom, M.D., Professor of Orthopaedic Surgery, Hospital for Special Surgery

Tuesday, December 10, 2013, 1:30-2:30pm/CRB Austrian Auditorium
Title: Epigenetic Regulation of Stem Cell Phenotypic Plasticity and Hedgehog Signaling During Early Cartilage Development
Andrew Lasser, Ph.D., Professor of Biological Chemistry & Molecular Pharmacology, Harvard Medical School

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Wednesday, November 13, 2013, 10:45am-5:30pm/BRB Auditorium
Title: Managing Science and Innovating in Challenging Times
Joan A. McGowan, Ph.D., Director, Division of Musculoskeletal Diseases, National Institutes of Health, National Institute of Arthritis & Musculoskeletal & Skin Diseases (NIAMS)
Tuesday, October 22, 2013, 1:30-2:30pm/CRB Austrian Auditorium
Title: The Biomolecular Science and Engineering of Bone’s Extracellular Matrix
Deepak Vashishth, Ph.D., Professor & Department Head of Biomedical Engineering, Rensselaer Polytechnic Institute

Tuesday, September 17, 2013, 1:30-2:30pm/CRB Austrian Auditorium
Title: Engineering Human Osteochondral Grafts
Gordana Vunjak-Novakovic, Ph.D., Mikati Foundation Professor of Biomedical Engineering; Professor of Medical Sciences (In Medicine), Columbia University

Visiting Professorship Series-Academic Year 2012-2013

Tuesday, May 07, 2013, 1:00-2:00pm/ Austrian Auditorium CRB
Title: Mechanical and Biological Regulation of Tissue Regeneration
Robert E. Guldberg, Ph.D., Professor, Woodruff School of Mechanical Engineering, Georgia Institute of Technology

Tuesday, April 09, 2013, 1:30-2:30pm/Austrian Auditorium CRB
Title: Tendon Stem Cells, Tendinopathy, and Tendon Repair
James H-C. Wang, Ph.D., Professor & Director Mechanobiology Laboratory, University of Pittsburgh

Tuesday, March 12, 2013, 1:30-2:30pm/Austrian Auditorium CRB
Title: Aging, Redox Signaling, and the Development of Osteoarthritis
Richard F. Loeser Jr, M.D., Professor of Internal Medicine- Rheumatology & Immunology, Wake forest University

Tuesday, February 12, 2013, 1:30-2:30pm/Austrian Auditorium CRB
Title: Coupling Bone Resorption and formation
Xu Cao, Ph.D., Lee Riley Professor & Co-Director Center for Musculoskeletal Research, Johns Hopkins University

Tuesday, January 15, 2013, 1:30-2:30pm/Austrian Auditorium CRB
Title: Sensorimotor and Serum Biomarkers Indicative of Underlying Pathologies in a Rat Model of Upper Extremity Overuse
Mary Barbe, Ph.D., Professor of Anatomy & Cell Biology, Temple University

Tuesday, December 18, 2012, 1:00-2:00pm/252 BRB
Title: A Novel Biomarker of Early Post-Traumatic Osteoarthritis using the Horse as an Animal Model
Lisa A. Fortier, D.V.M., Ph.D., DACVS, Associate Professor of Surgery, Cornell University

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Wednesday, November 14, 2012, 10:45am-5:30pm/BRB Auditorium
Title: Osteoarthritis: From Palliation to Prevention
Constance R. Chu, M.D., Albert Ferguson Professor of Orthopaedic Surgery, University of Pittsburgh

Tuesday, October 23, 2012, 1:00-2:00pm/Austrian Auditorium CRB
Title: Orthopedic Biomaterials that Mimic and Harness Biological Signals
William L. Murphy, Ph.D., Associate Professor, University of Wisconsin-Madison

Tuesday, September 11, 2012, 1:30-2:30pm/251 BRB
Title: Joint Injury and Osteoarthritis
Joseph A. Buckwalter, M.S., M.D., Professor, Head & Arthur Steindler Chair, University of Iowa

Visiting Professorship Series-Academic Year 2011-2012

Tuesday, May 29, 2012, 1:00-2:00pm/251 BRB
Marfan Syndrome: Molecular Pathology and Therapeutic Opportunities
Tuesday, April 24, 2012, 1:00-2:00pm/251 BRB  
**Title: The Role of The Osteocyte in Muscle-Bone Crosstalk**  
Lynda F. Bonewald, Ph.D., Interim Vice Chancellor for Research & Curators Professor, University of Missouri  
At Kansas City

Tuesday, April 10, 2012, 2:00-3:00pm/251 BRB  
**Title: Musculoskeletal Medicine in the Comparative Effectiveness Era**  
Edward Schwarz, Ph.D., Director, Center for Musculoskeletal Research  
Richard Margaret Burton Distinguished Professor In Orthopaedics, University of Rochester Medical Center

Tuesday, March 27, 2012, 1:00-2:00pm/251 BRB  
**Title: Magnetic Resonance Imaging of Short T2 Tissues**  
Graeme Bydder, M.B., Ch.B., Professor of Radiology, University of California, San Diego

Tuesday, February 28, 2012, 1:00-2:00pm/251 BRB  
**Title: The Carpus: The Beauty and The Beast of The Upper Extremity**  
J.J. Trey Crisco, Ph.D., Henry Frederick Lippitt Professor of Orthopaedic Research, Director Bioengineering Laboratory, Department of Orthopaedics, The Warren Alpert Medical School of Brown University & Rhode Island Hospital

Tuesday, January 24, 2012, 1:00-2:00pm/251 BRB  
**Title: Chondrocyte Beta-Catenin Signaling Regulates Osteoclastogenesis**  
Di Chen, M.D., Ph.D., Professor of Biochemistry, John W. & Helen Watzek Endowed Chair, Rush University Medical Center

Monday, January 9, 2012, 12:00-1:00pm/251 BRB  
**Title: Statistically Significant Collaborations: How Biostatistics Can Contribute to Multidisciplinary Research**  
Kathleen Propert, Ph.D., Professor of Biostatistics, Department of Biostatistics & Epidemiology, University of Pennsylvania, Perelman School of Medicine

Tuesday, December 13, 2011, 1:00-2:00pm/251 BRB  
**Title: Stem Cell Mobilization and Wnt Signaling – Two Approaches to Enhancing Bone Regeneration**  
D. Rick Sumner, Ph.D., Professor for Medical Research & Chair, Department of Anatomy & Cell Biology, Rush Medical College

Tuesday, November 15, 2011, 1:00-2:00pm/10-146 TRC  
**Title: Maintaining and Enhancing Bone Morphology Via Exercise**  
Ted Gross, Ph.D., Professor of Orthopaedics & Sports Medicine & Director, Orthopaedic Science Laboratories University of Washington

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)  
Wednesday, October 26, 2011, 8:00am-2:45pm/BRB Auditorium  
**Title: Mechanisms of Pathological Bone Remodeling: Pathology Teaches Physiology**  
Steven R. Goldring, M.D., St. Giles Chair & Chief Scientific officer, Hospital for Special Surgery & Professor of Medicine, Weill Cornell Medical College

Visiting Professorship Series-Academic Year 2010-2011

Tuesday, April 5, 2011, 1:00-2:00pm/ BRB 252  
**Title: Acoustoelasticity Analysis of Ultrasound Signals for Biomechanical Behavior**  
Ray Vanderby, Jr., Ph.D., Professor of Orthopaedic Surgery & Biomedical Engineering, University of Wisconsin, Madison

Tuesday, March 1, 2011, 1:00-2:00 Pm/ BRB 252  
**Title: Blood Supply and Fracture Repair: Bedside to Bench**
Theodore Miclau, III, M.D., Professor & Vice Chair, Trauma/Problem Fracture, Department of Orthopaedic Surgery
University of California, San Francisco

Tuesday, February 1, 2011, 1:00-2:00pm/ BRB 253
Title: Osteoarthritis: Translating New Insight into Pathogenesis to Prevention and Treatment
Martin Lotz, M.D., Professor & Head, Division of Arthritis Research, The Scripps Research Institute, La Jolla, California

Tuesday, January 18, 2011, 1:00-2:00pm/ BRB 253
Title: Between a Muscle and a Hard Bone: The Regulation of Tendon Induction and Differentiation
Ronen Schweitzer, Ph.D., Associate Professor, Shriners Hospital-Research, Dept. of Cell & Developmental Biology, Oregon Health & Science University

Tuesday, December 14, 2010, 1:00-2:00pm/ BRB 251
Title: Oxygen Sensing In Cartilage and Bone Development
Ernestina Schipani, M.D., Ph.D., Associate Professor of Medicine, Division of Endocrinology, Massachusetts General Hospital-Harvard Medical School

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Wednesday, November 17, 2010, 8:00am-3:00pm/BRB Auditorium
Title: Musculoskeletal Regenerative Medicine
Michael Yaszemski, M.D., Ph.D., Professor of Orthopaedics & Bioengineering, & The Director of The Tissue Engineering & Biomaterials Laboratory, Mayo Clinic, Minnesota

Tuesday, October 5, 2010, 1:00-2:00pm/ BRB 251
Title: Measurement of The Local Mechanical Environment of Skeletal Tissues
Elise F. Morgan, Ph.D., Associate Professor, Mechanical Engineering, Biomedical Engineering, Orthopaedic Surgery, Boston University

Tuesday, September 14, 2010, 1:00-2:00pm/BRB 253
Title: Histone Deacetylases Play Crucial Roles in Bone Development and Skeletal Health
Jennifer Westendorf, Ph.D., Associate Professor of Biochem/Molecular Biology & Orthopedics, Mayo Clinic, Minnesota

Visiting Professorship Series-Academic Year 2009-2010

Tuesday, May 18, 2010, 1:00-2:00pm/ BRB 251
Title: The Role of Mechanical Loading in Tendon-To-Bone Healing: Our Experience with Small Animal Models
Scott A. Rodeo, M.D., Professor of Orthopaedic Surgery, Weill Cornell Medical College, New York, NY
Attending Orthopaedic Surgeon, New York-Presbyterian Hospital, Attending Orthopaedic Surgeon, Hospital for Special Surgery, New York, NY

Tuesday, April 13, 2010, 1:00-2:00pm/BRB 251
Title: Biomechanics of Reactive Mixtures: Modeling Growth and Active Transport
Gerard A. Ateshian, Ph.D., Professor of Mechanical Engineering & Biomedical Engineering, Columbia University, New York, NY

Tuesday, March 16, 2010, 1:00-2:00 Pm/BRB 251
Title: The Biomechanics of Osteoarthritis: Progress vs. Progression?
Joel A. Block, M.D., The Willard L. Wood M.D. Professor of Rheumatology and Director, Section of Rheumatology, Rush Medical College, Rush University Medical Center, Chicago, IL

Tuesday, February 16, 2010, 1:15-2:15pm/BRB 251
Title: Exploiting the Physical Environment to Optimize Stem Cells for Skeletal Regeneration
Henry J. Donahue, Ph.D., Baker Professor & Vice Chair for Research and Director, Division of Musculoskeletal Sciences; Director, Department of Orthopaedics & Rehabilitation, Pennsylvania State University College of Medicine
Tuesday, January 19, 2010, 1:00-2:00pm/BRB 1412
Biologic Enhancement of ACL Repair and Reconstruction
Martha M. Murray, M.D., Assistant Professor & Clinical Associate Orthopaedic Surgeon, Children’s Hospital & Harvard Medical School, Boston, MA

Tuesday, December 15, 2009, 1:00-2:00pm/BRB 251
Title: Integration of Signaling Pathways in the Growth Plate
Karen M. Lyons, Ph.D.Professor of Orthopaedic Surgery, Department of Biological Chemistry, University of California, Los Angeles

Tuesday, November 17, 2009, 1:00-2:00pm/JMB Class of ‘62
Title: Using Mechanical Loading to Enhance Bone Mass
Marjolein CH Van Der Meulen, Ph.D., Professor, Sibley School of Mechanical & Aerospace Engineering, Cornell University, Senior Scientist, Laboratory for Biomedical Mechanics & Materials, Hospital for Special Surgery, New York

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Wednesday, October 14, 2009, 8:00am-2:45pm/BRB Auditorium
Title: Molecular and Cellular Control of Skeletal Morphogenesis
Bjorn R. Olsen, M.D., Ph.D., Hersey Professor of Cell Biology, Harvard Medical School
Professor & Chair of Oral & Developmental Biology, Dean for Research, Harvard School of Dental Medicine

Tuesday, September 22, 2009, 2:00-2:30pm/JMB Class of ‘62
Title: Technology Transfer at Penn
Robert H. Schenkel, Ph.D., Director Life Sciences Licensing, Center for Technology Transfer, University of Pennsylvania

Tuesday, September 22, 2009, 1:00-2:00pm/JMB Class of ‘62
Title: Making Cartilage: Architecture, Scaffolding and Builders
Brian Johnstone, Ph.D.
Director of Research, Department of Orthopaedics & Rehabilitation, Oregon Health & Science University

Visiting Professorship Series-Academic Year 2008-2009

Tuesday, May 5, 2009, 1:00-2:00pm Cancelled
Title: Effect of Mechanical forces On Soft Tissue Healing
Jo A. Hannafin, M.D., Ph.D.
Attending Orthopaedic Surgeon & Director of Orthopaedic Research, Hospital for Special Surgery, New York

Tuesday, April 21, 2009, 1:00-2:00pm/BRB 251
Mechanotransduction Mechanisms In Connective Tissue Cells
Albert J. Banes Ph.D., Professor of Biomedical Engineering
President of Flexcell International Corp, North Carolina State University & University of North Carolina Chapel Hill

Tuesday, March 3, 2009, 1:00-2:00 Pm/BRB 251
Title: Gene: Environment Interaction in Osteoarthritis
Joanne Jordan, M.D., MPH, Director, Thurston Arthritis Research Center
Chief, Division of Rheumatology, Allergy, & Immunology, University of North Carolina

Thursday, February 26, 2009, 1:00-2:00pm/BRB 252
Title: The Influence of Interleukin-1 and Mechanical Loading on the Release of Nitric Oxide and Prostaglandin E_2 By Articular Chondrocytes
David Lee, Ph.D., Professor of Cell & Tissue Engineering, Queen Mary University of London

Tuesday, February 3, 2009, 1:00-2:00pm/BRB 251
Title: Bmps Mediate Bone Homeostasis
Vicki Rosen, Ph.D., Professor & Chair of Developmental Biology, Harvard School of Dental Medicine
Tuesday, January 13, 2009, 1:00-2:00pm/BRB 251

Effect of Mechanical forces On Soft Tissue Healing
Jo A. Hannafin, M.D., Ph.D., Attending Orthopaedic Surgeon & Director of Orthopaedic Research, Hospital for Special Surgery, New York

Tuesday, December 9, 2008, 1:00-2:00pm/BRB 253

Title: Quantitative Assessment of Bone by Radiologic Methods
Thomas N. Hangartner, Ph.D., FAAPM, Distinguished Professor of Biomedical Engineering, Medicine & Physics
Director, Biomedical Imaging Laboratory, Wright State University

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Wednesday, November 12, 2008, 8:00am-3:30pm/BRB Auditorium

Title: Osteoarthritis and Fat: The Good, The Bad, and The Ugly
Farshid Guilak, Ph.D., Ormandy Professor & Director of Orthopaedic Research, Duke University

Tuesday, October 7, 2008, 1:00-2:00pm/CRB Austrian Auditorium

Rescheduled April 21st
Albert J. Banes Ph.D.
Professor of Biomedical Engineering
President of Flexcell International Corp
North Carolina State University & University of North Carolina Chapel Hill

Title: Matrix Elasticity Directs Stem Cell Lineage Specification
Dennis E. Discher, Ph.D., Professor of Chemical & Biomolecular, Mechanical, & Bio-Engineering, University of Pennsylvania

Tuesday, September 9, 2008, 1:00-2:00pm/BRB 253

Title: Multiscale Approaches to Cartilage Tissue Engineering
Lawrence J. Bonassar, Ph.D., Associate Professor, Department of Biomedical Engineering, Cornell University

Visiting Professorship Series-Academic Year 2007-2008

Thursday, June 5, 2008, 3:30-4:30 Pm/BRB 252

Title: Animal Models of Mucopolysaccharidoses
Mark Haskins VM.D., Ph.D., Professor, Pathology & Medical Genetics, School of Veterinary Medicine, University of Pennsylvania

Tuesday, May 6, 2008, 3:30-4:30pm/BRB 252

Title: Molecular and Cellular Mechanisms of Synovial Joint formation During Mouse Skeletogenesis
Maurizio Pacifici, Ph.D., Professor of Orthopaedic Surgery, Thomas Jefferson University College of Medicine

Tuesday, April 8, 2008, 3:30-4:30pm/BRB 251

Title: Effects of Decorin and Biglycan On Neocartilage and Cartilage Material Properties
Jack Lewis, Ph.D., Professor of Orthopaedic Surgery & Mechanical Engineering, University of Minnesota

Tuesday, March 11, 2008, 3:30-4:30 Pm/BRB 251

Title: Ischemia/Reperfusion Injury and Apoptosis of the Muscle and Skin in an Animal Model
Richard Salcido, M.D., Erdman Professor & Chair of Physical Medicine & Rehabilitation
Director of Rehabilitation Services, University of Pennsylvania

Tuesday, February 5, 2008, 3:30-4:30pm/BRB 251

Title: Morphological and Biological Characteristics of Articular Cartilage In Osteoarthritis
Sharmila MajuM.D.ar, Ph.D., Director of Musculoskeletal & Quantitative Imaging Research Group
Professor of Radiology & Orthopaedic Surgery, UCSF & of Bioengineering UC Berkeley

Tuesday, January 8, 2008, 3:30-4:30pm/BRB 251

Title: New Insights into The Pathogenesis of Achondroplasia
William Horton, Ph.D., Senior Investigator & Director of Research, Portland Shriners Research Center
Tuesday, December 4, 2007, 3:30-4:30pm/BRB 251
Title: The Skeletal Consequences of Disease: Diabetes to Cancer
Larry Suva, Ph.D., Director, Center for Orthopaedic Research
Professor, Departments of Orthopaedic Surgery & Physiology & Biophysics, University of Arkansas for Medical Sciences

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Wednesday, November 7, 2007, Time 8:45 Am-3:45 Pm/BRB Auditorium
Title: Is the Intervertebral Disc A Source of Pain?
Gunnar Andersson, M.D., Ph.D., Professor & Chair of Orthopaedic Surgery, Rush-Presbyterian Medical Center

Tuesday, October 9, 2007, 3:30-4:30pm/BRB 251
Title: Molecular Mechanisms of Bone Metastasis
Katherine Wellingher, M.D., Assistant Professor of Molecular Oncology, Washington University

Tuesday, September 18, 2007, 3:30-4:30pm/JMB Reunion 40
Title: Understanding Growth Plate Dynamics By In Vivo Imaging Using Multiphoton Microscopy
Cornelia Farnum, D.V.M., Ph.D., Professor of Zoology
Cornell University

Visiting Professorship Series - Academic Year 2006-2007

Tuesday, May 22, 2007, 3:30-4:30pm/BRB 252
Title: Mechanical forces and Articular Cartilage formation: What We Have Learned from Tissue Engineering
Rita Kandel, M.D., Professor, Dept. of Laboratory Medicine & Pathobiology, University of Toronto

Tuesday, April 17, 2007, 3:30-4:30pm/BRB 252, Postponed Until September 18, 2007 Due to Weather
Title: Understanding Growth Plate Dynamics By In Vivo Imaging Using Multiphoton Microscopy
Cornelia Farnum, D.V.M., Ph.D., Professor of Zoology, Cornell University

Tuesday, March 20, 2007, 3:30-4:30pm/BRB 252
Title: The Use of Transgenic Mouse Models to Study the Hormonal Regulation of Bone Remodeling
Barbara Kream, Ph.D., Professor of Medicine & Genetics & Developmental Biology; Director, Medical Scientist Training Program, University of Connecticut Health Center

Tuesday, March 19, 2007, 11:00am-12:00pm/BRB 251
Title: Gene Therapy Based on Muscle Stem Cells: Potential for Tissue Regeneration and Repair
Johnny Huard, Ph.D., Professor of Molecular Genetics & Biochemistry & Bioengineering, University of Pittsburgh

Tuesday, February 27, 2007, 3:30-4:30pm/BRB 252
Mechanical Signals As A Non-Pharmacologic Intervention for Osteoporosis
Clinton Rubin, Ph.D., Distinguished Professor & Chair - Department of Biomedical Engineering
State University of New York Stony Brook

Tuesday, January 16, 2007, 3:30-4:30pm/BRB 252
Title: Oxygen-Dependent Regulation of Bone Growth: Epiphyseal Chondrocyte Proliferation, Autophagy and Apoptosis
Irving Shapiro, Ph.D., Professor & Director of Orthopaedic Research, Thomas Jefferson University

Tuesday, December 19, 2006, 4:00-5:00pm/BRB 251
Title: Using Genes to Repair Bone and Cartilage
Chris Evans, Ph.D., The Robert Lovett Professor of Orthopaedic Surgery, Center for Molecular Orthopaedics, Harvard Medical School

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)
Wednesday, November 29, 2006, 8:00 Am-3:30 Pm/BRB Auditorium
Title: Humans: From Medical Images to Simulated Surgery
Scott Delp, Ph.D., Professor, Departments of Bioengineering, Mechanical Engineering, & Orthopaedic Surgery,
Wednesday, October 4, 2006, 1:00-2:00pm/BRB 251  
Title: Tendon Ageing and Regeneration – Lessons from the Racehorse  
Roger K.W. Smith, MA, Vetmb, Ph.D., DEO, Dipecvs, MRCVS RCVS & European Specialist in Equine Surgery  
Professor of Equine Orthopaedics, The Royal Veterinary College  

Tuesday, September 19, 2006, 4:00-5:00pm/JMB Class 62  
Title: Degeneration of Cartilage and Meniscus: Insights From In Vitro Model Systems  
Marc Levenston, Ph.D., Associate Professor, George W. Woodruff School of Mechanical Engineering  
Georgia Institute of Technology  

Visiting Professorship Series - Academic Year 2005-2006  

Tuesday, June 13, 2006/BRB 251  
Title: Biological Fixation of Soft Tissue to Bone: A Tissue Engineered Approach  
Helen Lu, Ph.D., Assistant Professor of Biomedical Engineering, Columbia University  

Tuesday, May 9, 2006/BRB 251  
Title: Linking Endochondral Skeletal Development to Hematopoiesis Through Analysis of Transgenic Mouse Models  
Olena Jacenko, Ph.D., Associate Professor of Animal Biology, University of Pennsylvania  

Tuesday, April 11, 2006/BRB  
Title: New Insights into the Multisystem Pathogenesis of Marfan Syndrome  
Hal Dietz, M.D., Victor A. Mckusick Professor of Medicine & Genetics, Johns Hopkins University  

Tuesday, March 7, 2006/BRB  
Title: Developmental Paradigms for Cell-Based Tissue Engineering  
Rocky S. Tuan, Ph.D., Branch Chief, Cartilage Biology & Orthopaedics, The National Institutes of Health  

Tuesday, February 21, 2006/BRB  
Title: Mechanics of Osteoporotic Trabecular Bone  
X. Edward Guo, Ph.D., Associate Professor of Biomedical Engineering, Columbia University  

Tuesday, January 17, 2006/BRB  
Title: Molecular Motors: Smart, Soft Musculoskeletal Nano-Machines  
Yale Goldman, M.D., Ph.D., Director, Pennsylvania Muscle Institute, Professor of Physiology, University of Pennsylvania  

Tuesday, December 13, 2005/BRB 251  
Title: Mechanosensitivity of Stem Cells  
Jeffrey C. Lotz, Ph.D., Professor, Orthopaedic Surgery, University of California, San Francisco  

Tuesday, November 8, 2005/BRB 251  
Title: Development of Tendon Extracellular Matrix Structure and Function: Regulation By Collagen and Proteoglycan Interactions  
David E. Birk, Ph.D., Professor, Department of Pathology, Anatomy & Cell Biology  
Jefferson Medical College  

ANNUAL SCIENTIFIC SYMPOSIUM (All Day Event)  
Tuesday, October 11, 2005, 8:00am-3:30pm/BRB Auditorium  
Title: Is There Potential for Cartilage Repair?  
Linda J. Sandell, Ph.D., Professor & Director of Research, Department of Orthopaedic Surgery  
Professor, Department of Cell Biology & Physiology, Washington University School of Medicine  

Thursday, September 15, 2005/BRB 251  
Title: Mechanotransduction in Tendon Cells: Implications for Rehabilitation and Overuse Injuries
Visiting Professorship Series - Academic Year 2004-2005

Tuesday, July 26, 2005/BRB 252
Title: Biological and Mechanical Studies of Skeletal Muscle Injury
Richard Lieber, Ph.D., Professor of Orthopaedics & Bioengineering, University of California, San Diego & V.A. Medical Centers

Tuesday, June 14, 2005/BRB 252
Title: Molecular MRI of Connective Tissues
Ravinder Reddy, Ph.D., Scientific Director, MMRRCC; Associate Professor, Department of Radiology, University of Pennsylvania

Tuesday, May 17, 2005/BRB 252
Title: Structure and Function of Decorin-Based Proteoglycans in Ligament
Jeffrey A. Weiss, Ph.D., Director, Musculoskeletal Research Laboratories; Associate Professor Bioengineering, University of Utah

Tuesday, April 19, 2005/BRB 252
Title: Applications of Medical Imaging in Orthopedic Biomechanics and Biomechanics in Functional Tissue Engineering
Kai-Nan An, Ph.D., Chair, Orthopaedic Research; Co-Director, Biomechanics Laboratory, Mayo Clinic, Rochester, MN

Tuesday, March 15, 2005/BRB 252
Title: Molecular Mechanisms of Bone Repair
Louis Gerstenfeld, Ph.D., Director, Musculoskeletal Research Lab; Professor of Orthopaedic Surgery & Biochemistry, Boston University

Tuesday, February 15, 2005/BRB 252
Title: Skeletal Response to In Vivo Fatigue Loading
Matthew J. Silva, Ph.D., Associate Professor, Orthopaedic Surgery & Biomedical Engineering, Barnes-Jewish Hospital at Washington University

Tuesday, January 18, 2005/BRB 252
Title: Magnetic Resonance Microimaging and Spectroscopy of Engineered Cartilage Tissue Developing in a Hollow-Fiber Bioreactor
Richard Spencer, M.D., Ph.D., Chief, Nuclear Magnetic Resonance Unit, NIH/National Institute on Aging

Thursday, December 16, 2004/BRB 252
Title: Control of Endochondral Bone formation by Retinoids and Bmps
Sherrill Adams, Ph.D., Professor & Chair, Biochemistry, School of Dental Medicine, University of Pennsylvania

Thursday, November 11, 2004/BRB 251
Title: Muscle in Health and Disease: Building Pathways using Genome-Enabled Tools
Eric P. Hoffman, Ph.D., Director, Research Center for Genetic Medicine, Children's National Medical Center

Monday, October 18, 2004/BRB 252
Title: Muscular Dystrophy: Seeing a Solution
Tejvir S. Khurana, M.D., Ph.D., Assistant Professor, Physiology, Pennsylvania Muscle Institute, University of Pennsylvania