Final Agenda

Oklahoma Medical Research Foundation, Oklahoma City
November 1-2nd, 2015

Sunday Nov. 1st
6:00-9:00pm  Welcome Reception Dinner: Home of Drs. Tim & Courtney Griffin (Casual Dress)

Monday Nov. 2nd
OMRF Conference Center & Auditorium
8:00am  Breakfast and Poster Viewing (Lytle Foyer)
9:00am  Opening Remarks: Tim Griffin, PhD (Wileman Learning Center)
9:05am  Session 1: Regulation of Skeletal Homeostasis
9:05-9:50am  Invited Keynote - Yihong Wan, PhD (UT Southwestern): Local and Remote Control of Osteoclastogenesis
9:50-10:05am  Nicole Ashpole, PhD (OUHSC): Regulation of Bone Aging by IGF-1
10:05-10:20am  Myron E. Hinsdale, DVM, PhD (OSU): Homozygosity for Frameshift Mutations in XYLT2 Result in a Spondylo-Ocular Syndrome with Bone Fragility, Cataracts, and Hearing Defects
10:20am  Coffee Break (Lytle Foyer)
10:45am  Session 2: Models and Mechanisms of Osteoarthritis
10:45-11:30am  Invited Keynote - Frank Beier, PhD (Western University): Using Mouse Models to Study the Pathogenesis of Osteoarthritis
11:30-11:45am  Elise L. Donovan, PhD (OMRF): Chondrocyte Metabolic and OA Markers During Early-Stage Osteoarthritis in Mice Fed a High-Fat Diet
11:45-12:00pm  Matlock A. Jeffries, MD (OUHSC, OMRF): Genome-wide DNA Methylation in Osteoarthritic Subchondral Bone and Similarities to Overlying Cartilage
12:00pm  Lunch (Conference Center A)
1:00pm  Session 3: New Insights into Skeletal Development and Repair
1:00-1:45pm  Invited Keynote - Dana Graves, DDS, DMSc (UPenn Dental School): Challenges to healing bone posed by inflammation, diabetes, and periodontal disease
1:45-2:00pm  Cortes Williams (OU): Discerning Bone Tissue Engineered Construct Quality Through Concurrent Metabolite Monitoring, µCT Imaging, & Fluid Dynamic Simulations
2:00-2:15pm  Maulin Patel (OMRF): Novel Protein ADTRP Plays an Important Role in Bone Morphogenesis by Regulating Canonical-Wnt signaling
2:15pm  Poster session (Lytle Foyer)
3:15pm  Invited Keynote - Marjolein van der Meulen, PhD (Cornell University): Musculoskeletal adaptation to functional loading: Walking the line between osteoporosis and osteoarthritis
4:00pm  Closing Remarks and Awards Ceremony: Mary Beth Humphrey, MD, PhD
4:15pm  Reception (Lytle Foyer)

Symposium is sponsored by the generous contributions from the McBride Foundation, the Oklahoma Medical Research Foundation, Oral & Maxillofacial Associates, and the Department & College of Medicine at the University of Oklahoma Health Sciences Center.