



# Orthopedics

UNIVERSITY OF COLORADO  
ANSCHUTZ MEDICAL CAMPUS

## 3<sup>rd</sup> Annual Orthopedic Research Symposium & D'Ambrosia Diversity Lectureship

Wednesday, November 10, 2021

Hyatt Regency Aurora – Denver Conference Center & Zoom

- **7:30am – 9:30am: Breakfast & Attendee Check-In**
- **8:00am – 9:00am: Optional NIH Grants Workshop – Chuck Washabaugh, PhD**
- **9:30am – 10:30am: Faculty Plenary Session**
  - Spine Metallosis is Associated with Surface Biologic Activity: Microbial Induced Corrosion and Going Beyond Wear – Reed Ayers, PhD
  - Intra-articular administration of TLR-3 activated allogeneic mesenchymal stromal cells significantly reduces bacterial burden and pro-inflammatory biomarkers in synovial fluid in an equine model of multidrug resistant Staphylococcal septic arthritis – Lynn Pezzanite, DVM, PhD
  - Role of Endoplasmic Reticulum Sensors in osteoblast lineage – Srividhya Iyer, PhD
  - A Composite Test Based on Ultrasound and Radiographic Measures of Dysplasia at Six Months of Age is the Best Predictor of Residual Dysplasia in Patients with Developmental Dysplasia of the Hip – Gaia Georgopoulos, MD
  - Genome-Wide Association Study using the Heterogenous Stock Rat Population Identifies the Meteorin-like Gene as a Novel Regulator of Bone Strength – Doug Adams, PhD
  - Rps19 haploinsufficiency mediated forelimb defects arise from reduced protein synthesis, cell proliferation and is associated with defective WNT signaling – Cheryl Ackert-Bicknell, PhD
- **10:30am – 11:30am: Poster Session 1, AM Break**
- **11:30am – 12:30pm: Scientific Keynote – Casey Greene, PhD**
- **12:30pm – 1:30pm: Lunch, Additional Poster Viewing Time**
- **1:30pm – 2:30pm: Trainee Plenary Session**
  - Contribution of Sexually Dimorphic Genetics and Gut Microbiome to Age-Related Bone Loss- Diana Dillstrom, PhD
  - Anabolic Response to PTH differs by both genetic and sex effects – Dana Godfrey
  - Abaloparatide is Chondroprotective in Murine Posttraumatic Osteoarthritis – Samantha Landgrave, BS
  - Sensitization to nickel associates with HLA-DR53 (DRB4\*01) in implant failure patients; the association is confirmed in a DR53 transgenic mouse model – Wei Li, PhD
  - The Effect of Zbtb40 Downregulation on Osteoblast Maturation and Mechanisms Which Regulate Bone Mineral Density – Gregory Ottenberg, MS
  - Reducing Intraoperative Radiation Exposure During Periacetabular Osteotomy: The Use of Flat Panel Detector Fluoroscopy – Rachael Martino, BA



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- Establishing the Gut Joint Axis in the OA of Obesity – David Villani, BS
- **2:30pm – 3:30pm: Poster Session 2, PM Break**
- **3:30pm – 4:30pm: Diversity Keynote, Valerae Lewis, MD**
- **4:30pm – 5:00pm: Awards and Closing Remarks**
- **5:00pm – 7:00pm: Reception**