



Comparative Orthopaedic Lab

"Finding a joint solution"

<http://medicine.missouri.edu/columc.com/>

Current Projects

- Primary Repair of the ACL
- BioCartilage versus Marrow Stimulation
- Comparing BMC Harvest Sites
- Monitoring Meniscal Health with Ultrasound
- Bioreactor for Disc Disease Modeling
- Improving OCA Implantation Instruments
- Early Diagnosis of Hip Dysplasia
- Subchondroplasty for PTOA
- Biomaterial Joint Resurfacing
- Meniscal Tissue Engineering
- Novel Nutraceutical for OA
- Biomarkers for Osteoarthritis

Last quarter's "top 5"

1. Mizzou Orthopaedics Team has 17 papers accepted for presentation at ORS 2015
2. COL research featured on KOMU News (link on our website)
3. COL research featured in VOX Magazine (link on our website)
4. COL participates in SEC Travel Grant Program with Dr. Sam Franklin from UGA
5. Final preparations for the 15th Annual Comparative Orthopaedics Day - April 10th

The University of Missouri's
Comparative Orthopaedic Laboratory
and
Department of Orthopaedic Surgery
proudly present

The 15th Annual Comparative Orthopaedics Day

Friday, April 10, 2015
Missouri Orthopaedic Institute
4th Floor Conference Center
1100 Virginia Avenue
Columbia, Missouri



Registration is FREE, but you **must** register via Email to attend – salmonl@missouri.edu
Directions at http://www.muhealth.org/body_moi.cfm?id=3377
Parking in garage immediately north of MOI



About Our Speaker

We are honored and excited to welcome **Dr. Arleigh Reynolds** to deliver the keynote address for the 15th Annual Comparative Orthopaedics Day. Presentations of original research in orthopaedics will complete the full-day program.

Dr. Reynolds is a Senior Research Scientist for Nestle Purina, Associate Dean of Veterinary Medicine at the University of Alaska Fairbanks, and the reining two-time World Champion in sled dog sprint racing.

Dr. Reynolds is extensively published, has multiple patents, and has garnered tremendous grant support including a recent \$24 million grant from NIH to enhance the integration of teaching and research at the undergraduate level in diversity students. These unique and impressive experiences and activities have given him incredible insight into the application of the science of training, nutrition and exercise physiology to injury prevention and optimal performance for four-legged and two-legged athletes. Dr. Reynolds will share this insight with us in his 2015 Littlejohn Family Keynote Lecture entitled, "Comparative Performance Training and Injury Prevention".



Comparative Orthopaedics Day was developed by the Comparative Orthopaedic Laboratory and the Department of Orthopaedic Surgery to provide scientists and clinicians with a forum for presentation and discussion of orthopaedic research.

Sponsored by The Littlejohn Family Endowment



Recent Pubs

1. Roller BL, et al. Characterization of meniscal pathology using molecular and proteomic analyses. J Knee Surg 2015
2. Nuelle, et al. Posterior single-incision harvest for semitendinosus ACL graft harvest. Arthroscopy 2015
3. Roller BL, et al. Identification of synovial fluid biomarkers associated with meniscal pathology. J Knee Surg 2015
4. Cook JL, et al. A novel system improves preservation of osteochondral allografts. Clin Orthop Rel Res 2014
5. Farr J, et al. Effects on exposed cartilage during open surgical procedures: a comparison of various fluids. Arthroscopy 2014
6. Pfeiffer FM, et al. Histologic and biomechanical responses of small glenoid anchors for labral repair. J Shoulder Elbow Surg 2014
7. Cook JL, et al. Animal models of cartilage repair. Bone Joint Res 2014