



# Comparative Orthopaedic Lab

*"Finding a joint solution"*

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

## Current Projects

- Biologic Enhancement of Tendon Healing
- Fresh Meniscus-OCA Grafts
- Monitoring Meniscal Health with Ultrasound
- Biomarkers for Osteoarthritis
- Hypercholesterolemia and Joint Health
- Improving OCA Implantation Instruments
- Early Diagnosis of CCL Disease
- Models for Disc Degeneration
- Meniscal Tissue Engineering
- Novel Model for Post-ACL Treatment
- Subchondroplasty for PTOA
- Optimizing PRP for Orthopaedics

## Last quarter's "top 5"

1. James T. Stannard and Alex Cook receive Mizzou Advantage Travel Awards
2. COL Team gives 14 presentations at the 2014 Orthopaedic Research Society Conference
3. COL Team receives funding for 6 new projects
4. Dr. Rich Ma receives the 2014 Aircast Award for Basic Science
5. COL Team publishes landmark articles in imaging, spine, trauma and sports medicine

## 14<sup>th</sup> Annual Comparative Orthopaedics Day

Friday, April 25<sup>th</sup> at The Missouri Orthopaedic Institute

Sponsored by The Littlejohn Family Endowment

This year Comparative Orthopaedics Day is dedicated to honoring those serving in the medical branches of our armed forces, and we are so honored to have two keynote speakers: **Dr. Philip J. Belmont Jr.**, Professor, Department of Surgery with Uniformed Service Health Sciences School of Medicine, and program director of the orthopaedic surgery residency program with the William Beaumont Army Medical Center/Texas Tech University Health Science Center in El Paso. Additionally, Colonel Belmont has served as the orthopaedic surgery consultant to the U.S. Army Surgeon General since 2013. He served as an orthopaedic surgeon with the 228th Combat Support Hospital in Iraq.

Also featured is **Dr. James T. Giles III**. Dr. Giles serves as chief of the Animal Health Branch with the Department of Veterinary Sciences at the Army Medical Department Center and School in Fort Sam Houston, Texas. He recently served as the senior veterinary surgeon in Afghanistan, providing medical support to military working dogs in a combat theater.



### Recent Pubs

1. Stannard JP, et al. Hinged external skeletal fixation in the treatment of knee dislocations. J Bone Joint Surg 2014
2. Cook JL, et al. MRI versus ultrasonography to assess meniscal abnormalities in acute knees. J Knee Surg 2014
3. Cook JL, et al. Evaluation of synthetic osteochondral implants. J Knee Surg 2014
4. Franklin SP, et al. Theory and development of a unicompartmental resurfacing system for treatment of MCD. Vet Surg 2014
5. Sherman SL, et al. Fresh osteochondral transplantation for the knee: Current concepts. J Am Acad Orthop Surg 2013
6. Kuhns CA, et al. Surgical strategies to improve fixation in the osteoporotic spine. Global Spine J 2013