



Summer Quarter 8:3;2014



*e-news*

## Comparative Orthopaedic Lab

*"Finding a joint solution"*

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

### Current Projects

- Comparing BMC Harvest Sites
- Monitoring Meniscal Health with Ultrasound
- Bioreactor for Disc Disease Modeling
- BioCartilage versus Marrow Stimulation
- Improving OCA Implantation Instruments
- Fresh Meniscus-OCA Grafts
- Subchondroplasty for PTOA
- PRP for ACL Healing
- Early Diagnosis of CCL Disease
- Meniscal Tissue Engineering
- Novel Model for Post-ACL Treatment
- Biomarkers for Osteoarthritis

### Last quarter's "top 5"

1. Alex Cook, Chris Kennedy, Leanne Mathew and Nick Capito receive awards for research
2. Dr. Tim Hewett visited to present a seminar on "Return to Sport after ACL Injury"
3. The 2014 COL Making a Difference award was presented to The Robert B. Gordon Family
4. Drs. Choma and Pfeiffer and James T. Stannard receive Mizzou Advantage grant
5. Drs. Jimi Cook and Aaron Stoker receive U.S. Department of Defense grant

## 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

Comparative Orthopaedics Day 2014 was dedicated to honoring those serving in the medical branches of our armed forces. **Dr. Philip J. Belmont Jr.**, Professor, Department of Surgery, Uniformed Service Health Sciences School of Medicine, and **Dr. James T. Giles III**, Chief of the Animal Health Branch with the Department of Veterinary Sciences at the Army Medical Department Center and School in Fort Sam Houston provided outstanding and moving presentations as our 2014 Littlejohn Family Keynote Lecturers.



Dr. Bob and Mrs. Marilyn Littlejohn represented the Littlejohn Family at the event again this year. Their support allows us to bring in outstanding, world-renowned speakers each year to highlight this wonderful part of our orthopaedic research and training program here at Mizzou. Our greatest thanks to this incredible family!



### Recent Pubs

1. Pfeiffer FM, et al. Histologic and biomechanical responses of small glenoid anchors for labral repair. J Shoulder Elbow Surg 2014
2. Cook JL, et al. Animal models of cartilage repair. Bone Joint Res 2014
3. Waters NP, et al. Biomarkers affected by impact severity during osteochondral injury. J Knee Surg 2014
4. Roller BL, et al. Characterization of knee meniscal pathology. J Knee Surg 2014
5. Stannard JP, et al. Hinged external skeletal fixation in the treatment of knee dislocations. J Bone Joint Surg 2014
6. Cook JL, et al. MRI versus ultrasonography to assess meniscal abnormalities in acute knees. J Knee Surg 2014
7. Cook JL, et al. Evaluation of synthetic osteochondral implants. J Knee Surg 2014