



e-news

Comparative Orthopaedic Lab

"Finding a joint solution"

www.columc.missouri.edu

Current Projects

- Bio-Implants for Rotator Cuff Repair
- Nanotechnology in Tissue Engineering
- Optimizing Allograft Tissue Preservation
- Biomarkers for Osteoarthritis
- Novel Osteotomy Technique for ALDs
- Pedicule Screw Fixation in Osteoporosis
- Multiscale Modeling of OA
- In vitro* Model of Traumatic Arthritis
- Characterization of Meniscal Pathology
- Nutritional Management of OA
- Bioscaffolds for Osteochondral Grafts
- Biologic Total Joint Arthroplasty

Last quarter's "top 5"

1. Dr. Roller received MU iCATS grant! One of only 7 awarded!
2. Press release on Drs. Kuroki, Stoker, and Garner's work on OA biomarkers
3. *Missourian* article on biologic joint replacement featuring Drs. Cook and Bal
4. Dr. Cook is featured guest on *The Orthopaedics Show* - Doctor Radio XM 119
5. Dr. Fox secured Dr. Dror Paley as our keynote speaker for CO day 2010

The 3rd COL Arthritis Benefit

Saturday, November 14th 2009

Dr. Fox is putting together a wonderful benefit, which will include **FLOYD LANDIS** as our keynote speaker! There will be some exciting new additions to the 2009 Benefit including the venue, auction items and format. Our third COL Arthritis Benefit will be another fantastic event that you will not want to miss. Please mark your calendars and look for your invitation and more details soon – feel free to contact Dr. Cook (cookjl@missouri.edu) if you need further information.



Recent Pubs

1. Luther JK, et al. Meniscal release in cruciate intact stifles causes lameness and cartilage pathology. *Vet Surg* 2009.
2. Anz AG, et al. The effect of bupivacaine and morphine in a co-culture model of diarthrodial joints. *Arthroscopy Rel Res* 2009
3. Cook JL, Cook CR. Bilateral shoulder and elbow arthroscopy in dogs with forelimb lameness. *Vet Surg* 2009
4. Cook CR, et al. Diagnostic imaging of canine elbow dysplasia: A review. *Vet Surg* 2009
5. Fox DB, et al. *In vitro* model to assess mechanisms and efficacy of a conduit for treatment of avascular meniscal injuries. *Cell Dev Biol* 2008
6. Venable RO, et al. Examination of synovial fluid hyaluronan as a biomarker for osteoarthritis in the stifle of dogs. *Am J Vet Res* 2008
7. Jayabalan P, Bal BS. Review of biomaterials in total knee arthroplasty. *Minerva Orthop Traumatol* 2008