Comparative Orthopaedic Lab
"Finding a joint solution"
www.columc.missouri.edu

Current Projects

• In Vivo Performance of OCAs
• Relationship of Vascular Disease with OA
• Intra-Articular Therapy for OA
• Tissue Engineered Meniscal Scaffolds
• Pedicle Screw Fixation in Osteoporosis
• Novel Strategies for Preventing PTOA

• In Vitro Models of Disc Degeneration
• Biomarkers for Osteoarthritis
• Multiscale Modeling of OA
• Biomarkers in Physical Therapy
• On-field Diagnosis of Meniscal Pathology
• Biologic Total Joint Arthroplasty

Last quarter’s “top 5”

1. COL Biologic Joint Replacement research was featured in a USA Today article!
2. The COL team submitted 15 abstracts for the 2012 ORS meeting!
3. Mizzou’s Spine Team research was accepted for podium presentation at the Cervical Spine Research Society Conference!
4. Dr. Kuroki published a landmark article on subchondral bone changes in OA in Osteoarthritis & Cartilage!
5. Mizzou Team Ortho submitted an NIH Program Grant to establish an OA Translational Research Center!

Need a new hip? Someday you may grow your own
By Dennis Thompson, HealthDay

August 12, 2011

Recent Pubs
3. Franklin SF, Cook JL. What is the evidence? Total hip replacement vs femoral head and neck excision. JAVMA 2011