Winter Quarter 10:1;2016

e-news

Comparative Orthopaedic Lab

"Finding a joint solution"

http://www.columc.com/

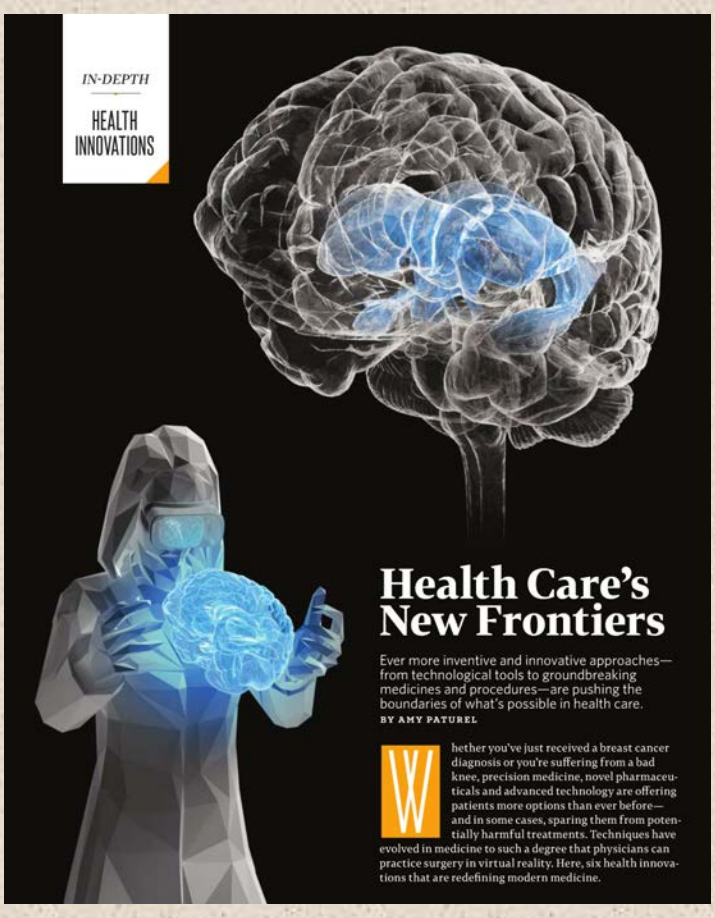
Current Projects

- RIA 'waste water' is Osteoinductive *in vivo*
- Biomarkers Predict Response to Nutraceutical
- Sensory Function of the ACL
- Enhanced Subchondroplasty for PTOA
- BioCartilage versus Marrow Stimulation
- Return-to-Sport after ACL Reconstruction
- Novel Quad Tendon Allograft ACL
- BMC for Enhancing OCAs
- Meniscal Tissue Engineering
- Early Diagnosis of Hip Dysplasia
- Multi-Ligament Knee Reconstruction
- Quantitative Arthroscopic Imaging

Last quarter's "top 5"

1. COL Team has 23 abstracts accepted for 2016 ORS Annual Conference
2. The Mizzou BioJoint Center featured in Delta's *Sky Magazine*
3. Dr. Jimi Cook featured in *Mizzou Magazine* http://mizzoumag.missouri.edu/2015/11/cooks-recipe/
4. COL Team proves RIA 'waste water' can enhance bone formation in animal model
5. COL Team shows serum and urine biomarkers predict improvements in patients with OA

Mizzou BioJoint Center featured in Delta's Sky Magazine



Recent Pubs

1. Crist BD, et al. Optimising femoral-head osteochondral allograft transplantation in a preclinical model. J Orthop Translation 2016
2. Stannard JT, et al. Development of a whole organ culture model for intervertebral disc disease. J Orthop Translation 2016
3. Roller BL, et al. Identification of novel synovial fluid biomarkers associated with meniscal pathology. J Knee Surg 2016
4. Cook JL, et al. Multiple injections of leukoreduced platelet rich plasma reduce pain and functional impairment. J Knee Surg 2015
5. Bozynski CC, et al. Acute management of ACL injuries using novel canine models. J Knee Surg 2015
6. Cook JL, et al. A canine hybrid double-bundle model for study of arthroscopic ACL reconstruction. J Orthop Res 2015
7. Smith MJ, et al. Investigation of rotator cuff healing using a DCB sponge in a canine model. Int J Shoulder Surg 2015
8. Tan AR, et al. Cytokine preconditioning of engineered cartilage provides protection against IL-1 insult. Arthritis Res Ther 2015
9. Capito NM, et al. Hyperosmolar irrigation compared with standard solution in a canine arthroscopy model. J Shoulder Elbow Surg 2015