Fall Quarter 2:4;2008

e-news

Comparative Orthopaedic Lab

"Finding a joint solution"

www.columc.missouri.edu

Current Projects

- Nanotechnology in Tissue Engineering
- Optimizing Allograft Tissue Preservation
- Novel Biomarkers for Osteoarthritis
- Limb Alignment Diagnosis & Treatment
- *In vitro* Model of Traumatic Arthritis
- Characterization of Meniscal Pathology
- Nutritional Management of OA
- Bioscaffolds for Osteochondral Grafts
- Biologic Total Joint Arthroplasty
- PPARγ–agonists in OA

Last quarter's "top 5"

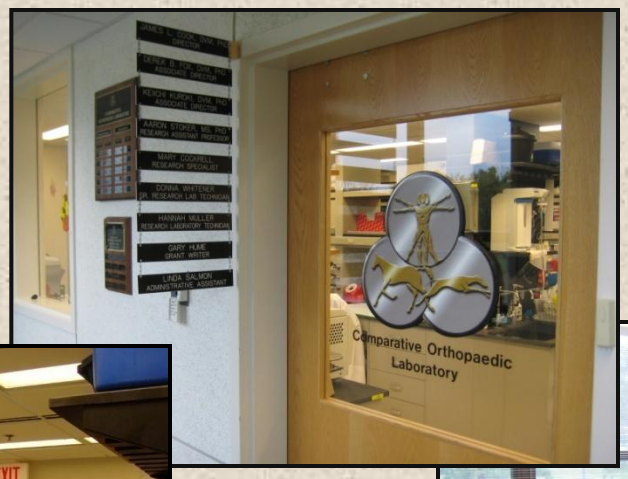
1. Dr. & Mrs. Allen and the Dept of Orthopaedics take the Allen Endowment to the Professorship level!
2. COL moves primary lab facilities into NEW LAB SPACE!
3. Hannah Sims joins the COL Team!
4. Dr. Jill Luther receives the 2008 VA_3 Resident Scholarship!
5. COL Team submits 13 abstracts to ORS!

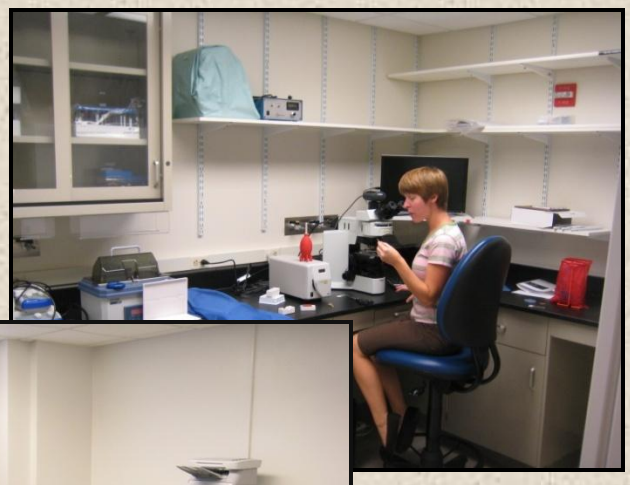
Reminder

The 9th Annual Comparative Orthopaedics Day will be April 10th, 2009

The Comparative Orthopaedic Laboratory's New Facilities

SPECIAL THANKS to AARON, MARY, BRIDGET, HANNAH, DONNA, JILL, BRANDON, GARY and LINDA for making the move!





Recent Pubs

1. 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
2. Jayabalan P, Bal BS. Review of biomaterials in total knee arthroplasty. Minerva Orthop Traumatol 2008
3. Lima EG, et al. The effect of devitalized trabecular bone on the formation of osteochondral tissue-engineered constructs. Biomaterials 2008
4. Bian L, et al. Mechanical and biochemical characterization of cartilage explants in serum-free culture. J Biomech 2008
5. Cook JL, et al. Autogenous osteochondral grafting for treatment of stifle osteochondrosis in dogs. Vet Surg 2008
6. Cook JL, et al. *In vitro* and *in vivo* comparison of five biomaterials used for orthopedic soft tissue augmentation. Am J Vet Res 2008
7. Venable RO, et al. Examination of synovial fluid hyaluronan as a potential biomarker for osteoarthritis in the stifle of dogs. Am J Vet Res 2008
8. Dismukes DI, et al. Determination of pelvic limb alignment in the dog: a cadaveric radiographic study in the frontal plane. Vet Surg 2008