

The University of Missouri's
Comparative Orthopaedic Laboratory
and
Department of Orthopaedic Surgery
proudly present

The 13th Annual
Comparative Orthopaedics Day

Friday, April 26, 2013

Missouri Orthopaedic Institute

4th Floor Conference Center

1100 Virginia Avenue

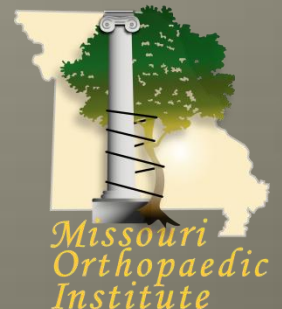
Columbia, Missouri



Registration is FREE, but you **must** register via Email to attend – salmonl@missouri.edu

Directions at http://www.muhealth.org/body_moi.cfm?id=3377

Parking in garage immediately north of MOI



About Our Speaker

Comparative Orthopaedics Day was developed by the Comparative Orthopaedic Laboratory and the Department of Orthopaedic Surgery to provide scientists and clinicians with a forum for presentation and discussion of orthopaedic research. This year, we are honored to welcome **Dr. Tim Hewett** to deliver the keynote address for the 13th Annual Comparative Orthopaedics Day. Presentations of original research in orthopaedics will complete the full-day program.



Dr. Tim Hewett is a world-renowned pioneer and internationally-recognized expert in the area of injury prevention with special focus on ACL risk factor research. As Director of Sports Medicine Research and Professor of Physiology & Cell Biology, Orthopaedics, Family Medicine, Biomedical Engineering, and Health & Rehabilitation Sciences at The Ohio State University, Dr. Hewett has built a unique and productive program that bridges basic science to clinical application using a multi-disciplinary approach, setting the standard for translational orthopaedics. He has published over 200 peer-reviewed articles with more than 13,000 citations, authored a book, and received the NCAA's Excellence in Research Award, AOSSM O'Donoghue Award, and APTA Rose Excellence in Research Award, among others. He has been the keynote speaker at many national and international conferences, and we are thrilled to have Dr. Hewett as our 2013 Littlejohn Family Keynote Lecturer for the 13th Annual Comparative Orthopaedics Day!

Sponsored by The Littlejohn Family Endowment



Schedule of Events

8:45 am	Welcome & Introductions	Dr. Jimi Cook
9:00	Keynote Lecture “ACL Injury is a Real Mizzouri – Prevention is the Key!”	Dr. Tim Hewett
10:00	<i>Break</i>	
10:30	Validation of an inexpensive portable sensor for measuring knee abduction angle during a drop vertical jump	Dr. Aaron Gray
10:50	Validation of the Mizzou OCA Preservation System in dogs	Dr. Aaron Stoker
11:10	Mechanical insults to articular cartilage: Implications for PTOA	Dr. Ferris Pfeiffer
11:30	Mitigating mechanical damage to OCAs during implantation	Dr. Ferris Pfeiffer
12:00-1:20 pm	<i>Lunch Break</i>	
1:30	Translational animal models for knee OA: Guidelines for choosing an appropriate study model	Martin Gregory
1:50	Comparative radiographic analysis of the distal femur in the sagittal plane: The Golden Spiral	Dr. Derek Fox
2:10	Hypercholesterolemia and joint health	Dr. Keiichi Kuroki
2:30	In vitro and in vivo effects of local anesthetics and steroids on synoviocytes, chondrocytes and tenocytes	Dr. Seth Sherman
2:50	<i>Break</i>	
3:20	Injectible hemostatic agent utilized in long deformity spinal surgeries – Does it embolize?	Dr. Craig Kuhns
3:40	A whole organ model of IVD degeneration in dogs	James T. Stannard
4:00	Analysis of cartilage and synovial tissue responses to various stimuli in vitro	Alex Cook
4:20	Closing Remarks	Dr. Jimi Cook

