



# Thompson Laboratory for Regenerative Orthopaedics

“Discovering Better”

E-news – Winter Quarter 11:1;2017

<http://thompsonlab.missouri.edu>

## Current Projects

- Mizzou BioJoint<sup>SM</sup> Outcomes
- Sensory Function of the ACL
- Effects of Re-warming on OCAs
- Enhanced Subchondroplasty for PTOA
- Biomarkers for IVDD
- Phalangeal OCA Preservation
- Biologic Total Hip Restoration
- Intervertebral Disc Transplants
- Amnion for Nerve Regeneration
- Elbow BioJoints
- Meniscal Tissue Engineering
- Early Diagnosis of Hip Dysplasia

## Last quarter’s “top 5”

1. TLRO Undergraduate Research Students receive 9 research travel awards
2. TLRO Graduate Research Students receive 6 research travel awards
3. Mizzou Tapered Osteochondral Graft Instrumentation System licensed by Arthrex
4. Carson Biomechanics & Bioengineering lab officially opened at TLRO
5. Dr. Cook officially inducted into the National Academy of Inventors, Mizzou Chapter

# 17<sup>th</sup> Annual Comparative Orthopaedics Day

Friday, April 7, 2017

at the new

## Thompson Laboratory for Regenerative Orthopaedics Conference Center

THOMPSON LABORATORY FOR REGENERATIVE ORTHOPAEDICS  
AND MISSOURI ORTHOPAEDIC INSTITUTE

PROUDLY PRESENT



17<sup>th</sup> ANNUAL  
Comparative Orthopaedics Day

FRIDAY, APRIL 7, 2017  
Missouri Orthopaedic Institute  
Thompson Laboratory Conference Center  
1100 Virginia Avenue Columbia, Missouri

### ABOUT OUR SPEAKER

We are honored and excited to welcome Dr. Steven Martin to deliver the Littlejohn Family keynote address for the 17th Annual Comparative Orthopaedics Day. Original research presentations in orthopaedics will complete the full-day program. Comparative Orthopaedics Day was developed in 2001 by the University of Missouri Department of Orthopaedic Surgery to provide scientists and clinicians with a forum for presentation and discussion of orthopaedic research. The Littlejohn Family began sponsoring this event in 2009. Our 2017 keynote speaker, Dr. Steven Martin was born in Cullowhee, North Carolina and grew up in Harrisonburg, Virginia. He went to Randolph Macon College in Virginia and graduated summa cum laude with a Bachelor of Science degree in Chemistry. He received his medical degree from the Medical College of Virginia and was selected to the Alpha Omega Alpha honor society. He completed a residency in orthopedic surgery at the Cambell Clinic in Memphis, as well as a fellowship in orthopedic trauma at the Elvis Presley Trauma Center, also in Memphis. He then served four years in the U.S. Army as director of sports medicine and orthopedic trauma at Brooke Army Medical Center in San Antonio, Texas. He is currently in practice with Blue Ridge Orthopedics in Seneca, South Carolina, a division of Greenville Hospital Department of Surgery. He is an adjunct professor in the Department of Bioengineering at Clemson University and is currently on the medical staff of Clemson University Athletics. We are thrilled to have Dr. Martin host this event.



STEVEN MARTIN, MD

SPONSORED BY THE LITTLEJOHN FAMILY ENDOWMENT

REGISTRATION IS FREE. Register to attend by emailing [salmonl@missouri.edu](mailto:salmonl@missouri.edu).  
Parking is available in Parking Structure 7,  
located on the corner of Virginia Avenue and Monk Drive.



17<sup>th</sup> ANNUAL

Comparative Orthopaedics Day

MISSOURI ORTHOPAEDIC INSTITUTE  
Thompson Laboratory Conference Center

### SCHEDULE OF EVENTS

FRIDAY  
APRIL 7, 2017

The Office of Continuing Education, School of Medicine, University of Missouri is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Office of Continuing Education, School of Medicine, University of Missouri designates this live educational activity for a maximum of 5.0 AMA PRA Category 1 Credits™. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

|            |   |                         |
|------------|---|-------------------------|
| 8:45 A.M.  | WELCOME & INTRODUCTIONS   | JIMI COOK, DVM, PHD     |
| 9 A.M.     | KEYNOTE LECTURE - <i>Current Concepts in the Treatment of Syndesmotic Ankle Injuries</i>  | STEVEN MARTIN, MD       |
| 10 A.M.    | BREAK   |                         |
| 10:30 A.M. | <i>Mizzou BioJoint<sup>SM</sup> - The Science &amp; The Surgery</i>   | JAMES P. STANNARD, MD   |
| 10:50 A.M. | <i>Osteochondral Allografts: Does Temperature Matter?</i>   | AARON STOKER, PHD       |
| 11:10 A.M. | <i>Knee Osteotomy: Analysis of Complications &amp; Lessons Learned</i>  | SETH SHERMAN, MD        |
| 11:30 A.M. | <i>Comparison of BTB vs. Qual Tendon + Internal Brace for ACL Reconstruction in a Canine Model</i>                                  | PAT SMITH, MD           |
| 12-1:20 PM | BREAK (Box lunch provided)  |                         |
| 1:30 P.M.  | <i>Intervertebral Disc Allograft Transplantation</i>  | JAMES T. STANNARD       |
| 1:50 P.M.  | <i>Clinical Outcomes and Complications of Surgical Treatment of Spondylolisthesis: Impact of Socioeconomic Status</i>               | CHRISTINA GOLDSTEIN, MD |
| 2:10 P.M.  | <i>Childhood Fractures</i>  | DANA DUREN, PHD         |
| 2:30 P.M.  | <i>Amateur US Rugby-7s: The Development of an Injury Assessment Tool and our Experience in a Growing Adolescent Collision Sport</i> | RICHARD MA, MD          |
| 2:50 P.M.  | BREAK   |                         |
| 3:20 P.M.  | <i>Unraveling Knee Loading During Movement</i>  | SWITHIN RAZU            |
| 3:40 P.M.  | <i>Modeling OA: The Whole Joint in a Test Tube</i>  | NIKI WALDEN             |
| 4 P.M.     | <i>The Mizzou Biologic Meniscal Scaffold: Where are we now?</i>   | FARRAH MONIBI, DVM      |
| 4:20 P.M.  | CLOSING REMARKS   | JIMI COOK, DVM, PHD     |