



Thompson Laboratory for Regenerative Orthopaedics

“Discovering Better”

E-news – Summer Quarter 11:3;2017

<http://thompsonlab.missouri.edu>

Current Projects

- Mizzou BioJointSM Outcomes
- Novel Total Elbow Arthroplasty System
- Amnion for Improved ACL Reconstruction
- BMC to Enhance OCA Integration
- Biomarkers for IVD Disease
- Ankle OCAs for PTOA
- Biologic Total Hip Restoration
- Intervertebral Disc Transplants
- Amnion for Disc Degeneration
- Knee Arthrometer Testing System
- Meniscal Tissue Engineering
- Early Diagnosis of Hip Dysplasia

Last quarter’s “top 5”

1. Four TLRO students graduated with PhD or MS degrees in May
2. Seven TLRO students received prestigious Biological Sciences Achievement Awards
3. The TLRO 2017 Annual Excellence in Research Awards were presented (see below)
4. Participation in the Thompson Center’s STRIVE program thompsoncenter.missouri.edu/autism-training/strive/
5. TLRO Teams received two Coulter Awards for MKATS & BioJoint Flex projects

New TLRO Docs! Farrah A. Monibi and James T. Stannard successfully completed their PhD degrees and graduated on May 13, 2017 from Mizzou, becoming our newest Thompson Lab Docs. We are extremely proud of them for making it through the demanding and rigorous process required to obtain the highest academic degree!



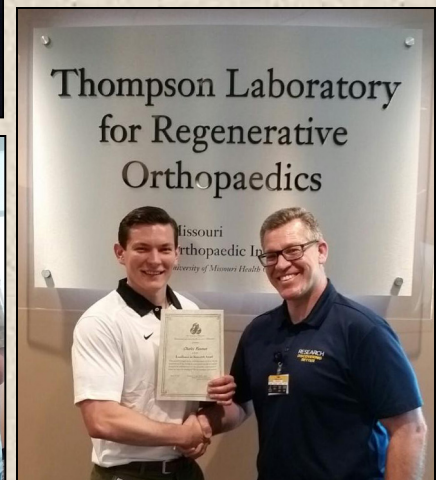
Biological Sciences Awards

Seven TLRO students received 2017 Biological Sciences Academic Achievement Awards. We are so proud that so many of our students are setting the bar for research at Mizzou!



Annual TLRO Awards

The 2017 TLRO Graduate and Undergraduate Excellence in Research Awards were presented to Farrah Monibi (graduate) and Kamryn Chastain & Charlie Baumann (undergraduate). Congratulations to these outstanding young scientists!



Recent Pubs

1. Stoker AM, et al. BMC vs PRP to enhance osseous integration potential for osteochondral allografts. J Knee Surg 2017
2. Capito NM, et al. Safety and efficacy of hyperosmolar irrigation solution in shoulder arthroscopy. J Shoulder Elbow Surg 2017
3. Monibi FA, et al. Tissue-derived ECM bioscaffolds: Emerging applications in cartilage and meniscus repair. Tiss Eng 2017
4. Franklin SP, et al. Comparison of ultrasonography and MRI to arthroscopy for diagnosing medial meniscal lesions. JAVMA 2017
5. Guess TM, et al. Function of the anterior intermeniscal ligament. J Knee Surg 2017
6. Cook JL, et al. Meniscal biology in health and disease. Conn Tiss Res 2017
7. Nuelle CW, et al. In vitro toxicity of local anesthetics and corticosteroids on tenocyte viability and metabolism. J Orthop Transl 2017
8. Nagelli CV, et al. Does ACL innervation matter for joint function and development of osteoarthritis? J Knee Surg 2017
9. Milles JL, et al. Biomechanical comparison: single vs double bundle PCL reconstruction techniques. J Knee Surg 2017