

THE THOMPSON LABORATORY FOR REGENERATIVE ORTHOPAEDICS AND THE MISSOURI ORTHOPAEDIC INSTITUTE

PROUDLY PRESENT



THE 20TH ANNUAL Comparative Orthopaedics Day

FRIDAY, APRIL 10, 2020

**Missouri Orthopaedic Institute
Thompson Laboratory Conference Center**
1100 Virginia Avenue, Columbia, Missouri

Comparative Orthopaedics Day was developed in 2001 by the University of Missouri School of Medicine's Department of Orthopaedic Surgery to provide scientists and clinicians a forum to present and discuss orthopaedic research.

ABOUT OUR SPEAKER

We're honored and excited to welcome Dr. Lewis Zirkle to deliver the Littlejohn Family keynote address for the 20th Annual Comparative Orthopaedics Day.

After graduating from medical school and beginning his orthopaedic residency at Duke, Dr. Zirkle was drafted and served in the U.S. Army as a commanding officer in Vietnam, during which he was awarded the Bronze Star. The Vietnam War had a profound impact on Dr. Zirkle, and after establishing a thriving orthopaedic practice, Zirkle was drawn back to Vietnam and Southeast Asia, donating his time to teach orthopaedics to local surgeons. In 1986, at the bedside of a patient in Indonesia, he had an epiphany and made a promise to find a way to properly treat fractures in the developing world. Since that day, Dr. Zirkle has dedicated his life to this promise and has impacted more than 300,000 patients around the world by creating the SIGN Fracture Care International program, which developed innovative implants that can be used effectively by orthopaedic surgeons in very remote areas of the world. The program helps train doctors how to use the implants and provides them at no charge to patients in need. The SIGN program has had an incredible impact around the globe, and deservedly, Dr. Zirkle has received the highest praise and recognition in our field, and beyond, including the Kiwanis World Service Medal, Duke Humanitarian Award, American Red Cross Real Heroes Award, Jefferson Award and the Department of Defense Medal for Distinguished Public Service. He believes patients around the world deserve equal care and the chance to live productive, healthy lives, and he has dedicated his life to making this happen for as many as possible.



LEWIS ZIRKLE, MD

SPONSORED BY THE LITTLEJOHN FAMILY ENDOWMENT SINCE 2009

REGISTRATION IS FREE. Register to attend by emailing reevesks@health.missouri.edu.
Parking is available in Parking Structure 7, located on the corner of Virginia Avenue and Monk Drive.



Health Care



THE 20TH ANNUAL

Comparative Orthopaedics Day

MISSOURI ORTHOPAEDIC INSTITUTE

Thompson Laboratory Conference Center

SCHEDULE OF EVENTS

FRIDAY

APRIL 10, 2020

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, SPECIAL RECOGNITION AND INTRODUCTIONS	COOK
9 A.M.	KEYNOTE LECTURE: <i>Creating Equality of Fracture Care Throughout the World</i>	ZIRKLE
10 A.M.	BREAK	
10:30 A.M.	<i>Mizzou BioJoint® – Where We Are and Where We're Going</i>	STANNARD
10:50 A.M.	<i>Development and Validation of Meniscal Allograft Transplantations Using Fresh Allografts and Meniscotibial Reconstruction</i>	SCHREINER
11:10 A.M.	<i>Fresh Meniscus vs. Frozen Tendon for Acetabular Labral Allograft — Early Results</i>	CRIST
11:30 A.M.	<i>Mizzou Integrated Joint Health Program – What, Why and Initial Results</i>	RUCINSKI
12-1:20 P.M.	BREAK (Box lunch provided)	
1:30 P.M.	<i>Shoulder BioJoint — Indications, Techniques and Initial Results</i>	SMITH
1:50 P.M.	<i>Biomarkers at Mizzou — Where We Are and Where We're Going</i>	COOK
2:10 P.M.	<i>Serum and Urine Protein Biomarkers for Early Diagnosis of Hip Dysplasia</i>	BOZYNSKI
2:30 P.M.	<i>Machine Learning to Classify Severity and Progression for Knee OA</i>	LEARY
2:50 P.M.	BREAK	
3:20 P.M.	<i>Biomechanical Modeling for Greater Understanding of Non-Contact ACL Injury Mechanisms and Risk Factors</i>	GUESS
3:40 P.M.	<i>Clinical Outcomes Following Two-Incision Anterior-Approach Repair of Severely Retracted Distal Biceps Tendon Ruptures</i>	KIM
4 P.M.	<i>Biomechanical Assessment of Lateral Ulnar Collateral Ligament Repair and Reconstruction With or Without Internal Brace Augmentation</i>	MELBOURNE
4:20 P.M.	CONFERENCE SUMMARY	COOK
4:45 P.M.	ADJOURN	



Health Care