

# THE THOMPSON LABORATORY FOR REGENERATIVE ORTHOPAEDICS AND THE MISSOURI ORTHOPAEDIC INSTITUTE

PROUDLY PRESENT



19<sup>TH</sup> ANNUAL

## Comparative Orthopaedics Day

FRIDAY, APRIL 5, 2019

Missouri Orthopaedic Institute

Thompson Laboratory Conference Center

1100 Virginia Avenue, Columbia, Missouri

### ABOUT OUR SPEAKER

We are honored and excited to welcome Dr. Mohit Bhandari to deliver the Littlejohn Family keynote address for the 19th Annual Comparative Orthopaedics Day. Comparative Orthopaedics Day was developed in 2001 by University of Missouri School of Medicine's Department of Orthopaedic Surgery to provide scientists and clinicians a forum to present and discuss orthopaedic research.

Dr. Bhandari currently serves as professor and academic head of the Division of Orthopaedic Surgery at McMaster University. Recognized for his excellence as an academic surgeon and scientist, he is a designated University Scholar at McMaster, a title held by less than 10 individuals within the entire University. He is the associate chair of research in the Department of Surgery and holds a Canada Research Chair in Evidence-Based Orthopaedics - the only chair of its kind in Canada. He received his masters degree in health research methodology from McMaster University and his PhD from Goteborg University (Sweden). He is recognized as a global leader in evidence-based surgery and orthopaedic research, receiving the field's highest awards including the Royal College of Physicians and Surgeons Medal, the Edouard Samson Award and the Kappa Delta Award. He has been acknowledged among the top 10 most cited orthopaedic fracture surgeons in the world. To this end, Dr. Bhandari has published over 1,000 papers and has served as lead editor for several of his field's major research textbooks, including the best-seller "Evidence-Based Orthopaedics". Receiving over \$50 million in research funding over his career, Dr. Bhandari's commitment to evidenced based practice; high-quality, globally-relevant research and translation of evidence to patient care has garnered his recent induction into the Province of Ontario's highest civilian honor, the Order of Ontario, and most recently the Canada's highest honor, the Order of Canada. He has also been awarded the Canadian Orthopaedic Association's Award of Merit, McMaster University's Distinguished Alumni Award and the College of Physicians and Surgeons of Ontario's Council Award for Outstanding Achievement.



MOHIT BHANDARI, MD, PhD

**SPONSORED BY THE LITTLEJOHN FAMILY ENDOWMENT SINCE 2009**

**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.



Missouri  
Orthopaedic Institute  
*University of Missouri Health Care*



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## SCHEDULE OF EVENTS

**FRIDAY**

APRIL 5, 2019

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.	<b>WELCOME AND INTRODUCTIONS</b>	COOK
9 A.M.	<b>KEYNOTE LECTURE:</b> <i>Think Bigger: The New Paradigm of Evidence-Based Orthopaedics</i>	BHANDARI
10 A.M.	<b>BREAK</b>	
10:30 A.M.	<i>Mizzou BioJoint®: Hip and Ankle Update</i>	CRIST
10:50 A.M.	<i>Use of Biological Markers to Develop Exercise Regimens for Individuals With Knee OA</i>	JAYABALAN
11:10 A.M.	<i>Streamlined Skeletal Maturation and Implications for Clinical Practice</i>	DUREN
11:30 A.M.	<i>Vertebral Body Tethering at Mizzou – Two-Year Outcomes</i>	HOERNSCHEMEYER
12-1:20 P.M.	<b>BREAK</b> (Box lunch provided)	
1:30 P.M.	<i>Are All ACL Grafts Created Equal? Early Biologic Response Differences From Common ACL Autograft Fibroblasts</i>	CARDONA-RAMIREZ
1:50 P.M.	<i>Mizzou Knee Arthrometer Testing System (MKATS)</i>	GUESS
2:10 P.M.	<i>Missouri Functional Assessment Screening Team (MFAST)</i>	GUESS
2:30 P.M.	<i>Bariatric Surgery and Bone: Implications and Clinical Consideration</i>	BAKER
2:50 P.M.	<b>BREAK</b>	
3:20 P.M.	<i>Accurate Prediction of Lumbar Microdecompression Level With an Automated MRI Scoring System</i>	ROLLER
3:40 P.M.	<i>Does Insulin Modulate the Metabolic Responses of IVDs When Stimulated With Cytokines Elevated in Diabetics</i>	LAMBRECHTS
4 P.M.	<i>Exploring the Pathobiology of the Injured Knee Meniscus</i>	MONIBI
4:20 P.M.	<b>CLOSING REMARKS</b>	COOK



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