THE DUKE DEPARTMENT OF ORTHOPAEDIC SURGERY PRESENTS THE:

Departmental Research Day and Symposium
J. Leonard Goldner Visiting Professorship

Tuesday May 1, 2018 | 9:00 a.m. - 4:45 p.m.
Duke University School of Nursing Auditorium, Rooms 1014 & 1103
307 Trent Drive, Durham, North Carolina

11:25 AM - 12:45 PM | Auditorium Room 1014
“Building Better Bodies: Reengineering the Skeletal System” Symposium
Moderator: Benjamin A. Alman, MD

“Bioinspired Systems: From Understanding Molecular Mechanisms to New Therapies,”
Shyni Varghese, PhD
Professor of Orthopaedic Surgery
Professor in the Department of Biomedical Engineering
Professor in the Department of Mechanical Engineering and Materials Science

“The Use of Synthetic Materials in Skeletal Reconstructions,”
Kenneth A. Gall, PhD
Professor in the Department of Mechanical Engineering and Materials Science
Associate Director in the Pratt School of Engineering
Professor in Orthopaedic Surgery

“Utility of Distraction Osteogenesis in the Management of Long Bone Deformities and Injuries,”
Robert D. Fitch, MD
Associate Professor of Orthopaedic Surgery
Associate Professor in Pediatrics

“Assistive Rehabilitative Technology to Mitigate Hospital-Associated Functional Decline,”
Amy Parva, PT, MA, PhD
Assistant Professor in Orthopaedic Surgery
Assistant Research Professor in Cell Biology
Assistant Professor in Medicine

Master Orthopaedist Award Presentations | 12:45 PM - 1:35 PM
*Lunch will be provided

RESEARCH SYMPOSIUM SCHEDULE
Duke University School of Nursing Auditorium, Room 1014

9:30 - 9:35 AM Welcome, Dr. Benjamin A. Alman

Moderator: Fraser J. Leversedge, MD
9:35 - 9:49 AM William A. Byrd, MD “Denning Gloves before Surgical Gown reduces Sleeve Contamination.”
9:49 – 10:00 AM Virginia Byers Kraus, MD, PhD “Can We Harness our “inner salamander” to promote endogenous repair of tissue?”
10:00 – 10:14 AM Matthew D. Crawford, MD “Impact of Patella Tendon Graft Cross-Sectional Area on Tendon Strength: A Biomechanical Study.”
10:14 – 10:25 AM Amy L. McNulty, PhD “Aberrations in Biomarkers Following Meniscus Injury.”

Moderator: Brian E. Brigman, MD, PhD
10:39 – 11:25 AM Poster Session I
Presented by: Students, Fellows, Staff, Residents, and Faculty

Moderator: Brian E. Brigman, MD, PhD
11:25 – 11:49 AM Poster Session II
Presented by: Students, Fellows, Staff, Residents, and Faculty

Featuring the 26th Annual J. Leonard Goldner Visiting Professor
Mohit Bhandari, MD, PhD, FRCSC
Professor and Canada Research Chair in Evidence-Based Orthopaedics
McMaster University

Duke Orthopaedic Grand Rounds
Wednesday, May 2, 2018
6:30 - 7:30 a.m.
103 Bryan Research Building

Presenting: “Fear Less, Do More!”

https://ortho.duke.edu  
Duke Orthopaedic Surgery