

# Orthopaedic Surgery Research Retreat

Saturday, April 8, 2017

University of Virginia

Darden School of Business Classroom Bldg, Room # 50



7:00 - 8:00 AM: Continental Breakfast - *Outside Classroom 40 and 50*

8:00 - 8:15 AM: **Drs. A. Bobby Chhabra and Quanjun Cui: Welcome Remarks** - *Classroom 50*

8:15 - 9:30 AM: **Regenerative Rehabilitation of traumatic injuries** - *Classroom 50*

Drs. David Diduch and Joe Hart, Co-Chairs

Participants:

Dr. Chris Dearth, Head of Clinical Research, Walter Reed Medical Center,  
Wounded Warrior Project: Military capabilities and collaboration

Dr. Joe Hart: Overview of UVA Orthopaedics Clinical Research projects and how  
to get involved

Dr. Shawn Russell: Gait lab and motion biomechanics

Dr. Silvia Blemker: Imaging, modeling and muscle biomechanics

Discussion

9:30- 9:45 AM: Coffee and Refreshment Break - *Outside Classroom 40 and 50*

9:45 - 10:45 AM: **Biomaterials for Orthopaedic Applications (musculoskeletal tissue repair,  
regeneration and replacement; bone, ligament, tendon, cartilage)**

Drs. Trey Cui and Frank Shen, Co-Chairs

Dr. Don Griffin: Biomaterials for Ortho applications

Dr. Mike McConnell: iPSCs for Ortho applications

Discussion

10:45 - 11:00 AM: Coffee and Refreshment Break - *Outside Classroom 40 and 50*

11:00 AM - 12:00 PM: **Introduction to the Center for Advanced Biomanufacturing at UVA: How  
to be part of it**

Drs. A. Bobby Chhabra and George Christ, Co-Chairs

Dr. Shayn Peirce-Cottler: Bioprinting for musculoskeletal tissues:

Dr. Nathan Swami: Microbiofabrication for regeneration, repair and replacement  
of musculoskeletal tissues

Discussion

12:00 - 12:15 PM: **Dr. A. Bobby Chhabra: Summary and Wrap-up**

**Our mission is to attain a national and international reputation as a leader in  
academic orthopaedics in the areas of patient care, orthopaedic education, and  
*musculoskeletal research.***