Improve Health Care through Innovation and Discovery

Promote Cutting Edge Clinical and Translational Research through Cross-Ground Collaborations

Department of Orthopaedic Surgery
Research Retreat, 4/8/2017
Our Mission

To attain a national and international reputation as a leader in academic orthopaedics in the areas of Patient care, Orthopaedic Education, and Musculoskeletal Research
Chair’s Council on Research

University of Virginia
Orthopaedic Surgery
Orthopaedic Research Directors

Dr. George Christ
Director for Basic and Translational Research

Abhijit Dighe, PhD
Li Jin, PhD
Xiao Li, PhD
Xinlin Yang, PhD

Dr. Joseph Hart
Director of Clinical Research
Research Coordinator for each division

Dr. Shawn Russell
Director of Motion Analysis and Performance Lab
Achievements in year 2016

➢ Team Building – A+ team!!

➢ Each Clinical Division: research coordinators

https://med.virginia.edu/orthopaedic-surgery/research/orthopaedic-clinical-trials/clinical-trials-by-division/#trauma-cr

➢ New Hire: Clinician scientist, Josh Li, MD, PhD

➢ Planned recruitment in 2018
Achievements in year 2016

- 99 Peer-Reviewed Publications
- 65 Textbooks/chapters
- 145 National/international presentations
- There are 25 currently funded clinical trials
- We have 67 total active IRB-HSR protocols
- Clinical research funding is about $1.9 M.
- Translational research funding about $3.5 M
What’s New in 2017?

➢ George Christ and Shayn Peirce-Cottler: Co-Sponsored by SEAS and SOM, $3M dollars to fund the Center for Advanced Biomanufacturing

➢ Cui-Lobo-Dighe:
   Inhibition of MSC1 stem cells and T cells to endorse bone healing
   NIH R21: Impact score: 23, Percentile: 4

➢ Cui-Pan-Yang:
   A novel inflammation targeting Tc-99m probe for osteoarthritis imaging
   NIH R21: Impact score: 20, Percentile: 5

Key to Success

Collaboration, collaboration, collaboration!

➢ Collaboration is one hallmark of good research
  Improve funding opportunity through collaborative research
➢ Scientist-clinician: team up for government funding
  NIH: increased clinical research to almost 50% of total budget
  NSF
  PCORI (Patient-Centered Outcomes Research Institute): $750 Million
  CMS (Centers for Medicare & Medicaid Services): $1 billion
➢ Partnership with industry
➢ Grants from foundations

Thank you!  