Contents

JIT & Save the Date... Pg. 1
SES Schedule... Pg. 2

Musculoskeletal Research Center
http://musculoskeletalcore.wustl.edu
Vol 8 | Issue 3 | June 2016

Just In Time Program

Applications for Just In Time funding will be accepted earlier this year! Applications for the second round of Just In Time funding will be due July 15, 2016. Applicants may apply for up to $3,000 to support use of the MRC Cores. Please visit our website for more information and to download the application form:

http://www.musculoskeletalcore.wustl.edu/content/Core/3035/A-Administrative-Core/Services/Just-In-Time-Funding.aspx

Save the DATE

We are excited to announce that the Musculoskeletal Research Center and the Center for Regenerative Medicine will sponsor a joint meeting on Musculoskeletal Regenerative Medicine and Biology to be held at Washington University on May 4-6, 2017. Details to follow, but please mark your calendars!

2016 Summer Educational Series

See page 2 for MRC 2016 Summer Educational Series Schedule

Please remember to include reference to support from the Musculoskeletal Research Center in your abstracts and publications.
Cite Grant # P30AR057235 from the National Institute Of Arthritis And Musculoskeletal And Skin Diseases.
Dr. Roberson is an Instructor of Medicine and Genetics in the Department of Internal Medicine's Division of Rheumatology, and is co-director of the Rheumatic Disease Core Center’s Human Genetics and Bioinformatics facility (NIAMS P30). He has expertise in human genetics, biostatistics, and bioinformatics. Coming from a background enriched for both bench research and computational biology, his lab focuses on the development of novel next-generation sequencing methods and their application to clinical samples for the development of personalized therapeutics. They have previously identified causative rare genetic variants in psoriasis, uveal melanoma, and familial paroxysmal kinesigenic dyskinesia, and rare variants that increase risk of Age-related Macular Degeneration (AMD). Importantly for this project, in the last 1.5 years his lab has been focusing on the use of RNA-Seq from peripheral blood cells and patient tissues to identify patient subgroups and their associated disrupted molecular pathways, generating >120 RNA-Seq libraries and >130 billion base pairs of sequence data. He will oversee the generation of all RNA-Seq libraries from human tissues, and supervise the analysis of targeted pathways as well as the global differential gene expression.

Dr. Fitzpatrick is the inaugural scientific director of the Washington University Center for Cellular Imaging (WUCCI) and an associate professor of Cell Biology and Physiology and Neuroscience in the School of Medicine. Fitzpatrick completed his doctoral research in chemical physics and laser spectroscopy at the University of Bristol in the United Kingdom and completed further post-doctoral training at the University of Pittsburgh and Carnegie Mellon University.

While at Carnegie Mellon, he served as a principal team member of the National Technology Center for Networks and Pathways whose mandate was to develop fluorescent biosensors along with new imaging and informatics approaches to study signaling in living cells and tissues.

At Washington University in St. Louis, his primary research interests lie in the integration and application of multi-scale optical and charged-particle imaging technologies. Specifically, the biological applications of ion microscopy, the development of correlative light and electron microscopy approaches, and new computational tools to visualize and manipulate large-scale multidimensional data sets. All with the aim to study the structure and function of biological systems from in vitro cell cultures to developing organisms.

If you have any questions regarding the MRC, contact: Kamilla McGhee | Core Coordinator | 314.747.5993 | mcgheek@wudosis.wustl.edu