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Musculoskeletal **R**esearch **C**enter
@Washington University
www.musculoskeletalcore.wustl.edu

July 2019

Welcome to the new MRC Newsletter!

We just completed our annual Summer Educational Series organized by Deb Veis. We kicked it off with a session on Data Visualization led by Kim Trinkaus from the Siteman Cancer Center Biostatistics Resource. Kim and Deb then led us through two hands-on workshops on Biostatistics using real-life data sets from MRC labs. Finally, Yousef Abu-Amer and Farsh Guilak introduced us to the Arthritis Models Core, a new resource to support users in the use and evaluation of arthritis models. Audio and slides for the Data Visualization and the Arthritis Models Core talks are available [here](#).

We would love to hear your feedback on these sessions – please respond to our survey.

Enjoy the summer!

[SES Survey](#)

Just-In-Time Funding

Just -In-Time funding available, apply now! Funds are intended to support preliminary musculoskeletal studies leading to future grant submission, or to support completion of data collection for a manuscript submission.

Apply for JIT Funding

Skeletal Biology and Pathophysiology Mini-Course

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08/02 - NO SEMINAR

08/09 - NO SEMINAR

08/16 - Tim Peterson, PhD | *Bone & Mineral Diseases*08/23 - Eileen Shore, PhD | *Univ. of Pennsylvania, Philadelphia, PA*08/30 - Nancy J. Bloom, PT, DPT, MSOT | *Program in Physical Therapy*09/06 - Yu-Qing Cao, PhD | *Anesthesiology, WU Pain Center*09/13 - Naga Yalla, MD | *Bone and Mineral Diseases*

09/20 - NO SEMINAR (ASBMR)

09/27 - Roberto Civitelli, MD | *Bone and Mineral Diseases*

Research Highlight



Brian Finck, PhD

*Research Associate Professor of Medicine
Division of Geriatrics & Nutritional Science*

The Finck Lab is interested in understanding the regulation of intermediary metabolism in a variety of tissues, including skeletal muscle. For many years, we have been interested in the lipin family of proteins (lipin 1, 2, and 3). Lipins are intracellular proteins that primarily act as lipid phosphatase enzymes in the pathway of triglyceride synthesis. Interestingly, these proteins can also translocate to the nucleus to directly regulate gene expression by interacting with DNA-bound transcription factors that control the expression of metabolic enzymes. Thus, lipin proteins can control metabolism at multiple regulatory levels by affecting gene expression and by their effects as phosphatase enzymes. [Read more...](#)

Core A - Administration

[Matthew Silva, PhD \(Director\)](#)

[Roberto Civitelli, MD \(Assoc. Dir.\)](#)

[Deborah Veis, MD, PhD \(Assoc. Dir.\)](#)

[Roberta Faccio, PhD \(Assoc. Dir.\)](#)

Core B - Structure & Strength

[Matthew Silva, PhD \(Director\)](#)

[Simon Tang, PhD \(Assoc. Dir.\)](#)

[Gretchen Meyer, PhD \(Assoc. Dir.\)](#)

Core C - Histology & Morphometry

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Core D - Animal Models of Joint Injury & Disease

[Yousef Abu-Amer, PhD \(Director\)](#), [Regis O'Keefe, MD, PhD \(Assoc. Dir\)](#)

[Farshid Guilak \(Assoc. Dir.\)](#), [Jie Shen, PhD \(Assoc. Dir\)](#)

If you have any questions regarding the MRC, contact:
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314.747.5993 | kjm@wustl.edu

Please remember to include reference to support from the Musculoskeletal Research Center in your abstracts and publications.
Cite Grant # P30 AR074992
from the National Institute Of Arthritis And Musculoskeletal And Skin Diseases.

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