MOUSE METABOLIC PHENOTYPING CENTER IMAGING SYMPOSIUM

AGENDA

Friday, November 8, 2013

AGR Hall, Buehler Alumni & Visitor Center

UC Davis

8:00-8:05 AM- Introduction, John Rutledge, UC Davis

8:05-8:30 AM- Robin de Graaf, Yale University, “In situ 3D MR metabolic imaging on microwave-irradiated rodent brain. A new tool for metabolomics research”

8:30-9:00 AM- Sam Wells, Ph.D., Vanderbilt University, “In vivo and in vitro microscopy: an array of tools to visualize the invisible”

9:00-10:00 AM- Trainee presentations

“Imaging and analysis of lipid droplets”, Jennifer E. Norman, UC Davis

“Characterizing blood-brain barrier perturbations after exposure to human triglyceride-rich lipoprotein lipolysis products using MRI in rat model” Linda Lee and Kit Fai Ng, UC Davis

“Attenuation of the Arg302Gln-PRKAG2 cardiac syndrome and ventricular preexcitation with trimetazidine treatment”, Stephanie L. Thorn, Yale University

“NRF2 trafficking impaired in repetitive injury by H$_2$O$_2$ in C2C12 mice myoblast cell”, Tingting Liu, UC Davis

10-10:30 AM- Break

10:30-11:00 AM- Simon Cherry, UC Davis, “In vivo and biospecimen imaging: methods and resources at the UC Davis Center for Molecular and Genomic Imaging”

11:00-11:30 AM- Idir Yahatiene, UC Davis, “Recent progress in advanced light microscopy and image processing: new ways to explore life”

11:30-12:00 PM- Eric Englehard, UC Davis, “Mouse Biology Program Bioinformatics Services: support for automation and analysis

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