

Save the Date

University of Kentucky's

Resource Center for Stable Isotope-Resolved Metabolomics (RC-SIRM)

Symposium on July 30 and

12-Day, Gloves-On / Gloves-Off Workshop July 24 through August 3, 2018

Established in 2013, the RC-SIRM is one of six NIH Regional Comprehensive Metabolomics Resource Cores supported by the NIH Common Fund. The one-day Symposium is open to the public: Registration is free. The hands-on Workshop is limited to 20 participants with relevant background: Applications for Workshop participation will be accepted until July 16, 2018. Workshop registration is \$3750 and includes on-campus lodging.

Symposium: Stable Isotope-Resolved Metabolomics: From Bench to Bedside

This is your chance to hear and meet speakers who use stable isotope labeling to investigate metabolic changes in many physiological systems and for advancing diagnosis and treatment of clinical conditions, such as the immune system, metabolic disorders, and cancer. There also will be poster sessions and Exhibitor tables.

Confirmed speakers:

- **Gabriela Andrejeva, PhD**, Vanderbilt University
- **Charles Burant, MD, PhD**, University of Michigan
- **Marta Cascante, PhD**, University of Barcelona
- **Teresa W-M. Fan, PhD**, University of Kentucky, Markey Cancer Center, KY
- **Gerhard Hildebrandt, MD**, University of Kentucky,
- **Richard Kibbey, MD, PhD**, Yale University
- **Aalim Weljie, PhD**, Perelman School of Medicine, University of Pennsylvania
- **Susanne Wells, PhD**, Cincinnati Children's Hospital
- **Min Wu, PhD**, Beth Israel Deaconess Medical Center
- **Mariia Yuneva, PhD**, The Francis Crick Institute, UK

Workshop: Stable Isotope-Resolved Metabolomics: Experimental Design, Methods, and Data Analysis

Attendees of the Workshop will gain working knowledge in the application of SIRM to fundamental biochemistry research in the life sciences and bench-to-bedside translational research. The Workshop will feature demonstrations and hands-on wet lab and dry lab practice including:

- Stable isotope tracer-based biological experiments
- Data acquisition with the Center's Mass and NMR Spectrometers
- Large-scale analysis of MS and NMR data for metabolites and their stable isotope labeling patterns
- Cell and tissue processing, polar and non-polar metabolite extraction, and preparation for MS and NMR analysis

Registration and abstract submission details to follow soon.

For more information contact Alicia Colliver at ajduna0@uky.edu

