

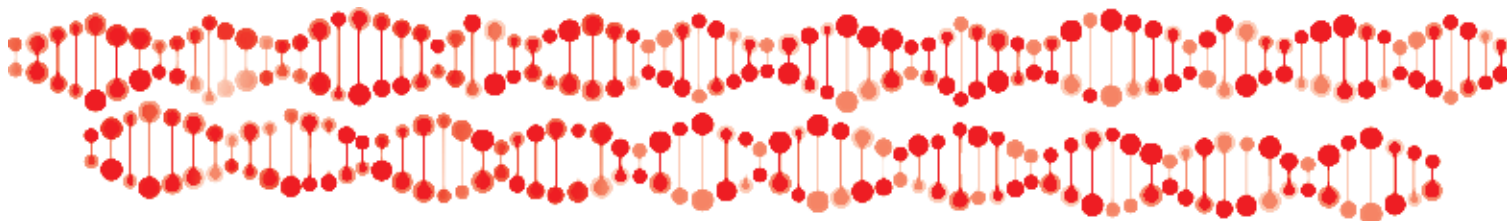


REGISTER NOW!

# MAYO CLINIC METABOLOMICS SYMPOSIUM

- **Monday, September 8, 2014** – 11 am to 11:30 am registration
  - 11:30 am to 3 pm (lunch included)
  - 3 pm to 5 pm optional tour (registration required)
- **Tuesday, September 9, 2014** – 7:30 am to 8:30 pm (all meals included)
- **Wednesday, September 10, 2014** – 8:30 am to 11:45 am (breakfast included)

Mayo Clinic, Rochester, Minnesota  
Gonda Building, David Geffen Auditorium, Subway Level



## Metabolomics at Mayo Clinic

Metabolomics is the systematic study of the unique chemical fingerprints that specific cellular processes leave behind. Mayo Clinic is a leader in this emerging field and will present its novel data in metabolomics at this symposium. More information is at [www.mayo.edu/research/core-resources/metabolomics-resource-core/overview](http://www.mayo.edu/research/core-resources/metabolomics-resource-core/overview).

## Workshop Goals

- Provide new information and data from Mayo Clinic's metabolomics core through lectures by Mayo Clinic and visiting faculty.
- Provide education on emerging metabolomics methodologies and its application in basic and translational research.
- Present data on use of metabolomic tools and biomarkers in clinical research.
- Expose researchers to methods of incorporating metabolomics into research.

## Poster session

You are invited to participate in a poster session and reception on September 9, 2014, from 7 to 8:30 pm. Awards for excellence will be given to first place (\$300), second place (\$200) and third place (\$100). Please email [RSTMCMETABOLOMICSCORE@mayo.edu](mailto:RSTMCMETABOLOMICSCORE@mayo.edu) to indicate interest and receive additional details.

## Who should attend?

- Translational science investigators, KL2 and other K-award scholars and research fellows who are new to the metabolomics field and wish to explore the opportunity to use metabolomics in their research.

## Workshop topics

Tissue ceramides, amino acid and metabolites, citric acid flux, muscle mitochondrial functional measurements, systems biology, Nuclear Magnetic Resonance (NMR) spectroscopy, quantitative analysis and mass spectrometry-based large scale metabolomics profiles will be discussed.

## Why attend?

- Network with colleagues and world-recognized experts in the field.
- Learn about new techniques.
- Optional tours of the Mass Spectrometry and Nuclear Magnetic Resonance (NMR) Spectroscopy laboratories.

## Who will be presenting?

### Invited external faculty includes:

#### Gary Siuzdak, PhD

Professor of Chemistry, Molecular and Computational Biology  
Senior Director, Center for Metabolomics and Mass Spectrometry  
Scripps Center for Metabolomics  
The Scripps Research Institute

#### John L. Markley, PhD

Steenbock Professor of Biomolecular Structure  
Director of the National Magnetic Resonance Facility at Madison  
Head of the Biological Magnetic Resonance Data Bank  
(BioMagResBank)

#### Shankar Subramaniam, PhD

Professor, Departments of Bioengineering, Chemistry and  
Biochemistry, Cellular and Molecular Medicine, and Nano  
Engineering  
Chair of the Bioengineering Department University of California,  
San Diego

### Invited Mayo Clinic faculty includes:

**Petras Dzeja, MD**  
**Mark Frye, MD**  
**Michael Jensen, MD**  
**John-Pierre Kocher, PhD**  
**Ian Lanza, PhD**  
**Slobodan Macura, PhD**  
**K. Sreekumaran Nair, MD, PhD**  
**Adrian Vella, MD**

### Registration details

- \$250 registration fee (includes meals listed above). *After August 1, 2014, the fee is \$275.*
- \$125 registration fee for scholars. *After August 1, 2014, the fee is \$150.*
- \$500 for industry and for-profit organizations. *After August 1, 2014, the fee is \$750.*
- Access to Mayo Clinic's state-of-the-art fitness facility is available.
- Space is limited. Register and reserve your hotel at [https://matrix.secureserver.dot.com/metabolomics\\_2014/registration\\_new.asp](https://matrix.secureserver.dot.com/metabolomics_2014/registration_new.asp)
- Questions? Please contact [RSTMCMETABOLOMICSCORE@mayo.edu](mailto:RSTMCMETABOLOMICSCORE@mayo.edu).

### Acknowledgement

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