



First Annual UCHSC Research Symposium: “Systems Biology in Biomedical Research”

December 2, 2005

Purpose: The purpose of this symposium will be to provide an overview of “omics” technologies to interested individuals (clinicians, researchers, students, etc), and to give individuals already using/providing these technologies a chance to mingle and find out what others in these areas are doing.

Keynote Speaker: Fred Regnier, PhD J.H. Law Distinguished Professor of Analytical Chemistry, Purdue University. Dr Regnier is a pioneer in the fields of mass spectrometry and proteomics, has several patents in his name, and was co-founder of Perseptive Biosystems, amongst his many other notable achievements.

Important dates:

Registration Deadline: November 15

Deadline for Abstract Submission: November 1st.

Please submit your abstract to Karen.jonscher@uchsc.edu.

Posters: We have limited space for posters. You will be notified if your abstract is accepted on or before November 15th.

Short Talks: Please email nichole.reisdorph@uchsc.edu if you would like to present your current research in the afternoon Applications session.

Lunch Sessions:

Please RSVP to Joana.perez@uchsc.edu to receive your lunch ticket. A ticket will be required for participation. A limited number of tickets will be available on the day of the symposium.

Session IA: TBA

Session IB: TBA

Session IIA: TBA

Session IIB: TBA

Proposed Scientific Program:

- 8:00 am – 8:45 am Registration and Continental Breakfast
- 9:00- 10:30 am **Keynote Speaker: Fred Regnier, PhD J.H. Law Distinguished Professor of Analytical Chemistry, Purdue University**
- 10:40 – 12:40 am Introductory Lectures: Technologies in “omics” research
 - Session IA: Proteomics and mass spectrometry in clinical research
 - Session IB: Bioinformatics
 - Session IIA: NMR-based metabolomics in clinical research
 - Session IIB: Genomics in clinical research
- 10:40- 12:40 Roundtable: Putting Colorado on the Map
- 12:45 – 1:45 pm Lunch and sponsor talks
- 2:00 pm – 4:00 pm Lectures: Applications in Clinical and Basic Sciences: (3 Joint Sessions, 20 minutes each talk) Note: Program is subject to change.
 - Session I: Proteomics technologies:
 - MDLCMS
 - 2D gels and DiGe
 - Quantitative Proteomics
 - Top Down proteomics
 - SELDI
 - Bioinformatics in proteomics research
 - Session IIA: Metabolomics technologies:
 - NMR based metabolomics
 - Mass-spectrometry based metabolomics
 - Lipid metabolism
 - Session IIB: Genomics technologies:
 - Genotyping
 - Gene arrays
- 4:00 – 6:00 pm Poster Session and Reception