



Proteomics and Metabolomics Facility

Local Discovery Global Impact

Issue 02, August 2009

Upcoming Seminars

"Proteomics Database Searching: Applications and Capabilities of the Spectrum Mill Software"

**Tue, September 1st,
2:00 – 3:00
Microbiology B120**

"Basic Flow Cytometry and Research Applications"

**Wed, September 16th,
3:00 – 4:00
Microbiology B120**

"Sorting and purifying your cells: How a flow cytometer sorts and what it can do for your research"

**Wed, September 23rd,
3:00 – 4:00
Microbiology B120**

Integrated Systems

Biology Seminar Series

Fall 2009 Schedule:

http://www.pmf.colostate.edu/isb_seminar_series.html

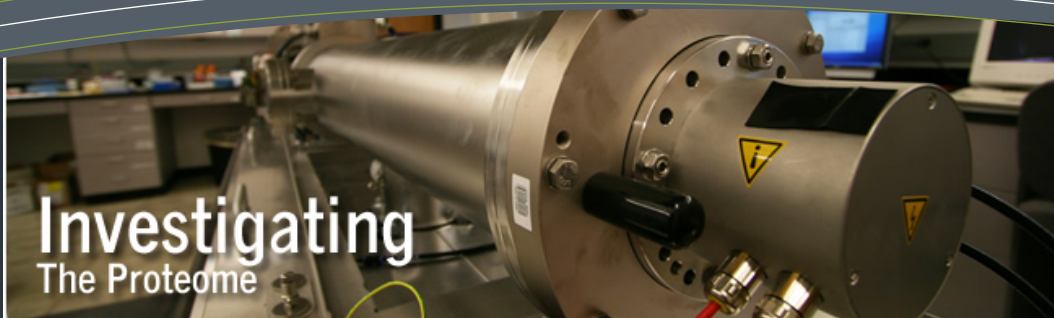
First Seminar:

David A. Liberles,
Department of Molecular
Biology, University of
Wyoming, Laramie, WY

"Understanding the Lineage-Specific Amino Acid Substitution Process"

**Wed. Sept. 9th, 3:00-4:00
Microbiology B120**

www.PMF.colostate.edu



What's New and Exciting at the PMF

Moflo Flow Cytometry and Cell Sorting Facility

PMF has recently added the flow cytometry and cell sorting facility to our toolbox. Formerly managed by the department of MIP, this capability is now part of the University wide core and available to all researchers.

We are lucky to have Leslie Armstrong-Lea as part of our team. With over 20 years of experience with flow cytometry she can assist you with all aspects of your experiment. Anne Avery, Associate Professor in MIP is also an expert in the field and will act as a faculty advisor for consultation.

Check out our website for more information and to schedule analysis time!

http://www.pmf.colostate.edu/moflo_services.html



Expansion of DNA Sequencing Facility

We have doubled our sequencing capacity thanks to the addition of a second 3130xl Genetic Analyzer from the lab of John McKay in the Department of Bioag Sci & Pest Mgmt. The second instrument will be optimized for fragment analysis. Please Contact Jason Rivest for more information (jason.rivest@colostate.edu).

GC-FID for Metabolomics and Small Molecule Analysis

We have expanded our small molecule analysis toolbox to include GC-FID. This instrument has been placed in our facility via our on-going collaboration with New Belgium Brewery. This new capability will allow for high-throughput screening of volatile compounds and is equipped with a head-space sampler.



We have two NIH ARRA proposals submitted for High-End Mass Spectrometers. Keep your fingers crossed!