

ABRF 2009:
Optimization and Application of Existing and Emerging Biotechnologies
February 7-10, 2009 – Memphis, Tennessee

SATELLITE EDUCATIONAL WORKSHOP PROGRAM
(sw2) Proteomics Instrumentation
(current as of 12/12/08)

Saturday, February 7, 2009
8:00 am – 4:00 pm
Memphis Cook Convention Center.

**Introduction to Proteomics Platforms and Mass Spectrometry:
Applications for Qualitative and Quantitative Studies**

Session sponsor: Applied Biosystems

David Friedman, Vanderbilt University (organizer)
Hayes McDonald, Vanderbilt University (co-organizer)

7:00 am - 12:00 pm	REGISTRATION OPEN - Lobby
7:00 - 8:00 am	CONTINENTAL BREAKFAST - Ballroom Foyer
8:00 - 8:15 am	INTRODUCTION TO PROTEOMICS
8:15 - 9:00 am	MAJOR TECHNOLOGY PLATFORMS OVERVIEW: LC/MS/MS, 2D-GEL/MS, PROFILING/IMAGING
9:00 – 10:00 am	MASS SPECTROMETRY INSTRUMENTATION IN PROTEOMICS (PART I): MALDI AND ESI SOURCES; TOF, TOF/TOF, TRIPLE-QUADRUPOLE, ION TRAPS (3D AND LINEAR) MASS ANALYZERS
10:00 - 10:30 am	REFRESHMENT BREAK - Ballroom Foyer
10:30 – 11:30 am	MASS SPECTROMETRY INSTRUMENTATION IN PROTEOMICS (PART II): LC/MS/MS AND MUDPIT; FTICR AND ORBITRAP MASS ANALYZERS AND HYBRID CONFIGURATIONS
11:30 – 12:00 am	QUALITATIVE & QUANTITATIVE LC/MS/MS APPLICATIONS (PART I): STABLE ISOTOPE LABELING
12:00 - 1:00 pm	LUNCH - Ballroom Foyer
1:00 – 1:45 pm	QUALITATIVE & QUANTITATIVE LC/MS/MS APPLICATIONS (PART II): LABEL-FREE, MRM/SRM
1:45 – 2:00 pm	QUALITATIVE AND QUANTITATIVE GEL-BASED APPLICATIONS (PART I): 2DE AND DIGE
2:00 - 2:30 pm	REFRESHMENT BREAK - Ballroom Foyer
2:30 – 3:30 pm	QUALITATIVE AND QUANTITATIVE GEL-BASED APPLICATIONS (PART I I): DIGE/MS, MULTIVARIATE STATISTICS, VARIATION, POWER ANALYSIS
3:30 - 4:00 pm	ASK THE EXPERTS SESSION Informal discussions between presenters, organizers, and attendees