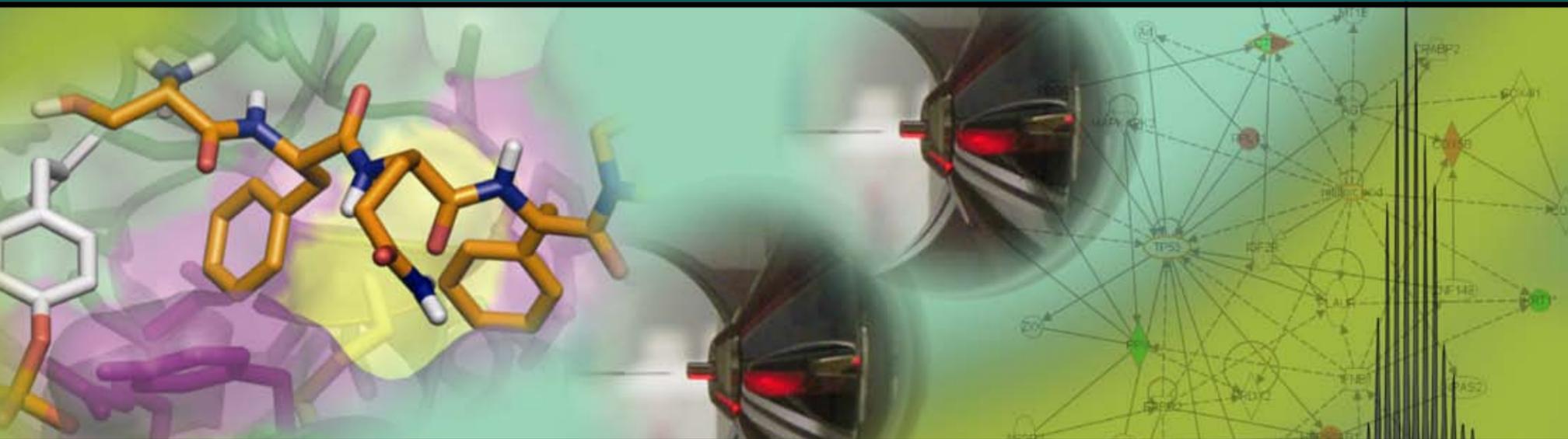


DEAN'S WORKSHOP

Proteomics: Discovery to Validation

Mass Spectrometry-Based Approaches in Biomedical Research



Friday, October 17, 2008

1:30–3:30 pm

The Anlyan Center Auditorium

300 Cedar St., New Haven

Refreshments will be served

The complete sequencing of the human genome, and many other genomes has given rise to the field of proteomics, which seeks to extend genomic discoveries to the level of the corresponding proteins. New technologies are being rapidly developed to quantify the concentrations of individual proteins, along with their many post-translational modifications *in vivo*, and also to identify differentially expressed biomarker proteins that may enable the earlier diagnosis, improved prognosis, and more “personalized” treatment of disease. This workshop will highlight the impact of proteomics on biomedical research covering a range of disease applications from hypertension to drug addiction and to the effect of bioterrorism and infectious disease agents. The workshop will also describe the state-of-the-art proteomics technologies available at Yale’s W.M. Keck Foundation Biotechnology Resource Laboratory and its associated centers.

Website: <http://keck.med.yale.edu/>

Tours of the Keck Proteomics facilities located at 300 George Street will be available immediately following the workshop.

Sign-up sheets will be available in the lobby.

OPENING REMARKS

Carolyn W. Slayman, Ph.D.

Deputy Dean for Academic and Scientific Affairs

Sterling Professor of Genetics

Professor of Cellular and Molecular Physiology

PRESENTATIONS

Proteomics at the Keck Laboratory

Erol E. Gulcicek, Ph.D.

Deputy Director, Keck Laboratory, Proteomics

Associate Research Scientist in Molecular Biophysics and Biochemistry

Christopher M. Colangelo, Ph.D.

Director, Keck Protein Profiling Resource

Associate Research Scientist in Molecular Biophysics and Biochemistry

New Mechanisms Controlling Cell Volume, Neuronal Excitability, and Blood Pressure Revealed via Quantitative Proteomics

Jesse Rinehart, Ph.D.

Associate Research Scientist, Department of Genetics

Approaches and Challenges in Neuroproteomics

Angus C. Nairn, Ph.D.

Charles B.G. Murphy Professor of Psychiatry and

Professor of Pharmacology

Knowledge of the influenza virion proteome provides insight into virus-host interactions

Megan L. Shaw, Ph.D.

Assistant Professor

Department of Microbiology

Mount Sinai School of Medicine

CLOSING REMARKS

Erol E. Gulcicek, Ph.D.

