

**Northeast Symposium on Proteomics and Protein Chemistry**  
**“Improved Strategies for the Analysis of Proteins, Protein Complexes and Proteomics”**

**November 9, 2011**

**Boyce Thompson Institute for Plant Research**  
**Cornell University, Ithaca, New York**

9:00 - 9:30 AM	Registration/Breakfast
9:30 – 9:35 AM	Introductory Remarks <i>Michelle Cilia</i> <i>R. W. Holley Center for Ag. &amp; Health, USDA-ARS</i> <i>Cornell University</i>
<b>9:30 – 12:20</b>	<b>Session 1: Proteomics Workflows and Quantification</b>
9:35 - 10:05 AM	<b>Investigating cell signaling networks with quantitative proteomics</b> <i>Marcus Smolka</i> <i>Cornell University</i>
10:05 – 10:35 AM	<b>Development and Application of Accurate Fragment Mass Measurements in Proteomics Research</b> <i>James Bruce</i> <i>University of Washington</i> <i>Sponsored by Thermo Fisher</i>
10:35 – 11:05 AM	<b>Quantitative Analyses of SILAC-Labeled Proteomes Using MASCOT, InsPecT and ProteoIQ</b> <i>Cristian Ruse</i> <i>Cold Spring Harbor Laboratory</i> <i>Sponsored by Agilent</i>
11:05 – 11:20 AM	Coffee Break
11:20 – 11:50 AM	<b>Strategies for Success in Biomarker Discovery and Biomarker Verification using UPLC/MS/MS</b> <i>Arthur Moseley</i> <i>Duke University</i> <i>Sponsored by Waters</i>
11:50 – 12:20 PM	<b>Proteomics at Cold Spring Harbor Laboratory</b> <i>Darryl Pappin</i> <i>Cold Spring Harbor Laboratory</i>
12:20 – 2:00 PM	Lunch Break

**2:00 – 3:00 PM**

**Session 2: Plant Proteomics**

2:00 - 2:30 PM

**A Systems Approach to Characterization of the Plant Secretome**

*Jocelyn Rose  
Cornell University*

2:30 – 3:00 PM

**Proteomics of chloroplast biogenesis, functional compartmentation, and proteolysis; systems analysis of an essential plant organelle**

*Klaas Van Wijk  
Cornell University*

3:00 – 3:15 PM

Coffee Break

**3:00 – 4:15 PM**

**Session 3: Proteomics of Human Disease and Cancer**

3:15 – 3:45 PM

**Proteomics of Host Stromal Response to Cancer**

*Jay Fox  
University of Virginia*

3:45 – 4:15 PM

**A Proteomic Perspective of the Dynamic Interplay between Viruses and Hosts**

*Ileana Cristea  
Princeton University*

4:15 – 4:30 PM

Closing Remarks

*Ted Thannhauser  
R. W. Holley Center for Ag. & Health, UDSA-ARS*