
ASMS FALL WORKSHOP
PROTEIN:PROTEIN AND PROTEIN:LIGAND INTERACTIONS

Organizers: Julie A. Leary, *UC Davis*; Joseph A. Loo, *UC Los Angeles*

THURSDAY, NOVEMBER 6, 2008

MORNING SESSION

- | | |
|---------------|---|
| 8:30 – 8:45 | Opening Remarks by Julie Leary and Joe Loo |
| 8:45 – 9:45 | Analysis of Protein:Protein and Protein:Carbohydrate Complexes
Julie Leary, <i>UC Davis</i> |
| 9:45 – 10:15 | Coffee Break |
| 10:15 – 11:15 | Characterization of Amyloid Proteins and Aggregation:
Ion Mobility Theory and Practice
Mike Bowers, <i>UC Santa Barbara</i> |
| 11:15 – 12:15 | Ion Mobility–Mass Spectrometry Analysis of Large Protein
Complexes
Brandon Ruotolo, <i>Cambridge University</i> |
| 12:15 – 2:00 | Lunch, <i>Restaurant 750 on Lobby Level</i> |

AFTERNOON SESSION

- | | |
|-------------|--|
| 2:00 – 3:00 | Protein Assembly Monitored by MS: More Than Just Mass
Measurements
Alison Ashcroft, <i>University of Leeds</i> |
| 3:00 – 3:45 | Poster Orals. <i>Please see next page for order of these 5-minute talks
and the poster abstract titles.</i> |
| 3:45– 4:30 | Recap |
| 4:30 - 5:30 | Beer & Wine Mixer and Posters |
| 5:30 | Dinner/Free time |

NOTE: Posters in the session room will be accessible for viewing until 10:00 pm.

THURSDAY, NOVEMBER 6, 2008

POSTERS

1. **Heather Bischel**, *Stanford University*; Noncovalent Binding Interactions of Long-Chain Perfluorochemicals with Serum Albumin.
2. **Anne Blackwell**, *University of Arizona*; Extension of Surface-Induced Dissociation to Heterogeneous Non-Covalent Protein Complexes.
3. **Iain Campuzano**, *Waters Corporation*; Using Ion Mobility to Measure Changes in Protein Structure upon Substrate-Ligand Binding.
4. **Eric Dodds**, *University of Arizona*; Collision-Induced Dissociation and Surface-Induced Dissociation of Non-Intermingling and Domain-Swapped Homodimeric Protein Complexes.
5. **Shirley Lomeli**, *UC Los Angeles*; Increasing Charge While Preserving Noncovalent Protein Complexes for ESI-MS.
6. **Pragya Singh**, *University of Washington*; Characterization of Protein Complexes by Crosslinking and an "Open-Modification" Search Strategy.
7. **Ryan Wenzel**, *CovalX*; Analysis of Intact High Mass Protein Interactions by MALDI Mass Spectrometry.
8. **Zhengping Yi**, *Arizona State University*; Identification of Novel IRS-1 Binding Partners by HPLC-ESI-MS/MS.

FRIDAY, NOVEMBER 7, 2008

MORNING SESSION

- 8:45 – 9:45 **Instrumentation and Methods for Characterizing Protein-Drug and Protein-Metal Binding**
Joseph A. Loo, *UC Los Angeles*
- 9:45 – 10:15 Coffee Break
- 10:15 – 11:15 **Studying Functional Macromolecular Assemblies by Native Mass Spectrometry**
Esther van Duijn-Keizers, *Utrecht University*
- 11:15 – 12:15 **Quantifying Protein-Ligand Interactions by the Direct ES-MS Assay**
John Klassen, *University of Alberta*
- 12:15 – 2:00 Lunch, *Restaurant 750 on Lobby Level*
- 2:00 – 3:00 **Conciliating the Extremes: MS-Analysis of Protein-Nucleic Acid Assemblies**
Daniele Fabris, *University of Maryland-Baltimore County*
- 3:00 – 4:00 **Proteolysis, Cross-linking, CID and SID Methods for Probing Protein Complexes**
Vicki H. Wysocki, *University of Arizona*
- 4:00 Recap/Closing Remarks

Thank you for attending the Fall Workshop!
Please complete the survey on the next page, your feedback is appreciated.

2008 ASMS FALL WORKSHOP PARTICIPANT SURVEY
Protein:Protein and Protein:Ligand Interactions
 San Francisco, CA November 6 – 7, 2008

Circle 1-4 in each category **Poor** **Fair** **Good** **Excellent**

WORKSHOP CONTENT

Topics covered	1	2	3	4
Discussion	1	2	3	4
Speakers	1	2	3	4

Comments: _____

FORMAT

Talks	1	2	3	4
Discussions	1	2	3	4

Comments: _____

PRINTED PROGRAM

Ease of use	1	2	3	4
Sufficient information	1	2	3	4

Comments: _____

ORGANIZATION

Value with respect to cost	1	2	3	4
Facilities	1	2	3	4

Comments: _____

Did the workshop meet your expectations? Yes No Partly

Comments: _____

Please use back for additional comments.

Please give to Jennifer at the registration desk or fax to ASMS (505-989-1073)