

ASMS HYDROGEN EXCHANGE & COVALENT LABELING INTEREST GROUP

SENT TO ASMS ON 06/23/2008

This document created with direct input from group members

Suggestions for 2009 ASMS meeting in Philadelphia

Many attendees wanted more time to discuss the basics, especially people getting into the field. It was suggested that we try to organize a short course for tutorial purposes: use ½ day for hydrogen exchange, ½ day for covalent and oxidative labeling. John Engen will organize the hydrogen exchange portion and Mark Chance will organize the covalent labeling portion. We have already sent a proposal to John Callahan on the ASMS Education Committee (06/20/2008).

Members desire an evening workshop again next year, with emphasis on advanced practical topics. Members have been encouraged to send their proposals for topics to the interest group coordinators. Potential topics:

1. Protein-protein interactions
2. HDX by NMR vs. MS
3. Unified software platform(s)
4. Are we creating new biological knowledge?
5. HDX experimental setup details
6. Integration of covalent labeling data with hydrogen exchange data

Suggestions for the ASMS 2009 program

In general, keep sessions from 2008 meeting. There was lots of positive feedback about these.

Oral session suggestions (with “must-haves” indicated by *):

*Hydrogen / deuterium exchange for protein structure and folding
Suggested chair: Alison Ashcroft

*Characterizing Protein-Ligand Interactions with Mass Spectrometry
Suggested chair: Albert Heck, Utrecht

Combined labeling techniques for probing biomolecular structure
Suggested chair: Lars Konermann or David Hamblly

MS and structural biology: combining 3D modeling with labeling
Suggested chair: Mark Chance, CWRU

Mass spectrometry in chemical biology
Suggested chair: Patrick Griffin, Scripps

(continued)

Emerging MS methods for analysis of biopharmaceuticals
Suggested chair: Igor Kaltashov, UMass

Poster session suggestions:

Many members really liked the posters sessions this year and there was much discussion during them. Our group would like to keep the same sessions for next year:

Session called: Hydrogen exchange

Session called: Covalent labeling

Session called: Crosslinking

Session called: Nucleic Acids and Mass Spectrometry

Session called: Protein conformation and protein folding