

Workshop: H/D Exchange, Covalent Labeling, and Cross-Linking Interest Group
Date: 6 June 2017
Organizers: Prof. David Weis, University of Kansas
Prof. Lan Huang, University of California, Irvine

Attendance: ~180

This year the interest group meeting focused on discussing general workflows, current status and future perspectives of the three areas covered in this group.

Three contributors gave 15-minute technique-oriented presentations followed by discussion of their topics with the audience. The presenters covered a broad spectrum of each technique and provide useful information for experts and new comers. Ample time was devoted to an engaging discussion of each topic in turn. New and experienced researchers were able to ask questions and offer comments and suggestions. In general, participants found the presentations informative and discussions interesting. Questions were contributed about equally from the floor and electronically.

The contributors were

Prof. Jim Bruce University of Washington
Prof. Joshua Sharp, University of Mississippi
Dr. Mikklos Guttman, University of Washington

Some of the major points of discussion were:

- Current workflows of cross-linking mass spectrometry in studying protein-protein interactions especially in living cells
- Experimental conditions for successful cross-linking reactions
- Data analysis and visualization of cross-link data
- General aspects of FPOP experiments
- Applications of FPOP in probing protein interactions
- New approaches for HX-MS experiments

The slides presented follow this report.