

**North American Mass Spec Summer School**  
**June 20-23, 2022**  
**Wisconsin Institute for Discovery, Madison WI**

**Monday, June 20**

12:00 Registration  
1:00-1:15 Welcome (Joshua Coon)  
1:15-2:15 Mass Analyzers lecture (Scott McLuckey)  
2:15-3:15 Mass Analyzers demo (Coon Lab)  
3:15-3:30 Break  
3:30-4:30 Ionization (Rachel Ogorzalek Loo)  
4:30-5:30 Editor lecture (Shawwna Buttery--Virtual)  
5:30 Opening reception

**Tuesday, June 21**

8:30-9:00 Coffee and pastries  
9:00-10:00 Tandem MS (Jennifer Brodbelt--Virtual)  
10:00-11:00 Flash talks (five 5-minute talks)  
11:00-12:00 Separations (Evgenia Shishkova)  
12:00-12:30 Break, pick up box lunch  
12:30-3:30 Spectral Interpretation (Joshua Coon)  
12:30-1:30 Lecture  
1:30-2:30 Work time  
2:30-3:30 Review and discussion  
3:30-3:45 Break  
3:45-4:45 Q&A Clinic (Evgenia Shishkova and Alexander Hebert) (sample prep, methods, chromatography)

**Wednesday, June 22**

8:00-9:00 Coffee and pastries  
8:00-9:00 Q&A Clinic (Edward Huttlin, Katherine Overmyer) (experimental design, data)  
9:00-10:00 Data Acquisition Methods (Jesper Velgaard Olsen--Virtual)  
10:00-11:00 Quantification (Lingjun Li)  
11:00-11:30 Break, pick up box lunch  
11:30-2:00 Data Analysis and Interpretation (Jürgen Cox)  
11:30-12:30 Lecture

12:30-1:30 Work time  
1:30-2:00 Review and discussion  
2:00-2:15 Break  
2:15-3:45 Flash talks (5-minute talks w/questions)  
3:45-4:45 Research lecture (Edward Huttlin)

**Thursday, June 23**

8:30-9:00 Coffee and pastries  
9:00-10:00 Experimental Design (Edward Huttlin)  
10:00-11:00 PTMs (Benjamin Garcia)  
11:00-11:15 Break  
11:15-12:15 Metabolomics (Jessica Prenni)  
12:15-1:15 Lunch Buffet  
1:15-2:15 Lipidomics (John Bowden)  
2:15-3:15 Top-down/Native MS (Vicki Wysocki)  
3:15-3:30 Break  
3:30-4:30 Future Technology Needs Discussion (Moderated by Joshua Coon)  
4:30-5:30 Closing Keynote Lecture (Benjamin Garcia)  
5:30 Closing Reception