



FT MS School

Key West, FL, April 18, 2027



8:30-8:40 am	Welcoming remarks
8:40-9:20 am	Mass Spectrometry - What do We Measure? From Molecular Composition to Structural Information (30 min) + questions (10 min) <i>Kicki Hakansson, National High Magnetic Field Laboratory/Florida State University</i>
9:20 am-10:00 am	ICR Fundamentals – How Do We Get To a Mass Spectrum? (30 min) + questions (10 min) <i>Jon Amster, retired</i>
10:00-10:40 am	Orbitrap Fundamentals – How Do We Get To a Mass Spectrum? (30 min) + questions (10 min) <i>John Syka, retired</i>
10:40-11:00 am	Coffee break
11:00-11:40 am	What are the Parts of a Commercial ICR Instrument? (30 min) + questions (10 min) <i>Chris Wootton, Bruker Daltonics</i>
11:40 am-12:20 pm	What are the Parts of a Commercial Orbitrap Instrument? (30 min) + questions (10 min) <i>Mike Senko, Thermo Fisher Scientific</i>
12:20-1:20 pm	Lunch
1:20-2:00 pm	FT MS Signal Processing and Simulation (30 min) + questions (10 min) <i>Yury Tsybin, Spectroswiss</i>
2:00-2:40 pm	Charge Detection Mass Spectrometry – How Does It Work? (30 min) + questions (10 min) <i>Michael Marty, The University of Texas at Austin</i>
2:40-3:20 pm	FT MS Imaging (30 min) + questions (10 min) <i>Madeline Colley, Vanderbilt University</i>
3:20-3:40	Coffee Break
3:40-4:20 pm	Data Processing: Complex Mixture Analysis (30 min) + questions (10 min) <i>Lydia Babcock-Adams, National High Magnetic Field Laboratory</i>
4:20-5:00 pm	Data Processing: Top-Down Proteomics (Direct Infusion and LC) (30 min) + questions (10 min) <i>Lissa Anderson, National High Magnetic Field Laboratory, Florida State University</i>