

# Fall 2025 Mass Spectrometry Users' Meeting

## Bringing light to discovery

Wednesday, September 17, 2025

Join us to connect with fellow enthusiasts and leading experts in proteomics, structural biology, metabolomics, and biopharma applications.

9:00 am – 2:50 pm

Alexandria GradLabs, 3rd floor

Free parking | Breakfast & lunch provided

9880 Campus Point Dr, San Diego, CA 92121

### Agenda

|                     |                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8:15 am – 9:00 am   | <b>Registration, networking &amp; light refreshments</b>                                                                                                                                                                            |
| 9:00 am – 9:10 am   | <b>Welcome &amp; introductions</b>                                                                                                                                                                                                  |
| 9:10 am – 9:55 am   | <b>Bringing light to discovery: How Thermo Fisher Scientific innovation fuels your research</b><br><i>Daniel Hermanson, Ph.D., Sr. Marketing Manager, Thermo Fisher Scientific</i>                                                  |
| 9:55 am – 10:30 am  | <b>Protein footprinting in complex model systems: Deep oxidation coverage using an Orbitrap Astral Mass Spectrometer</b><br><i>Lisa Jones, Ph.D., Professor of Chemistry and Biochemistry, Jones Laboratory, UCSD</i>               |
| 10:30 am – 10:45 am | <b>Break</b>                                                                                                                                                                                                                        |
| 10:45 am – 11:15 am | <b>Patient-derived models powering stratification and discovery</b><br><i>Pilgrim Jackson, Ph.D., CEO &amp; Co-Founder, Yatiri Bio</i>                                                                                              |
| 11:15 am – 11:45 am | <b>High-throughput and highly selective quantitative lipidomics approach with the Stellar mass spectrometer: A novel hybrid nominal mass instrument</b><br><i>Britt Lee, Ph.D., Application Scientist, Thermo Fisher Scientific</i> |
| 11:45 am – 12:45 pm | <b>Lunch</b>                                                                                                                                                                                                                        |
| 12:45 pm – 1:10 pm  | <b>Vanquish Neo UHPLC system: Beyond brilliant</b><br><i>Kate Erickson, Ph.D., Field Application Scientist, Thermo Fisher Scientific</i>                                                                                            |
| 1:10 pm – 1:40 pm   | <b>siRNA on the Orbitrap Astral mass spectrometer: Sensitivity limits and stability in homogenates &amp; lysosomes</b><br><i>Ryan Shirey, Ph.D., Bioanalytical Scientist, Avidity Biosciences</i>                                   |
| 1:40 pm – 1:50 pm   | <b>Break</b>                                                                                                                                                                                                                        |
| 1:50 pm – 2:20 pm   | <b>Innovations in metabolomics using an Orbitrap Exploris mass spec: Empirical medication readout</b><br><i>Nina Zhao, Ph.D., &amp; Vincent Charron-Lamoureux, Ph.D., Postdoctoral Scientists, The Dorrestein Lab, UCSD</i>         |
| 2:20 pm – 2:50 pm   | <b>Reflections, final Q&amp;A, &amp; raffle</b><br><i>Daniel Hermanson, Ph.D., Sr. Marketing Manager, Thermo Fisher Scientific</i>                                                                                                  |



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