

## Scale up biological research:

**Integrate latest orbitrap MS technology into modern proteomics**

**UT Austin campus lunch and learn seminar**

**03/09/2023 (Thursday), 12:00pm-1:30pm, NMS 1.120, lunch provided**

### Agenda

This 90 min scientific seminar will elaborate the latest orbitrap technology – Orbitrap Ascend Tribrid™ mass spectrometer, and how it is integrated into the modern proteomics research. Innovative hardware and software design will be introduced to help the audience to learn the fundamental technology science. Real data in selective application areas, such as large-scale quantitative proteomics, post-translational-modification (PTM) analysis, cross-linking structural biology, and single cell proteomics will be presented to demonstrate why it is suitable for modern proteomics, and how to integrate this technology into biological science to accelerate more emerging biological science experiments. It is also noted that proteomic sample preparation remains a challenge in terms of being tedious, lab intensive, and mixed with human errors, this talk will also cover Thermo Fisher's automated proteomic sample prep solution.

### Speaker



**Scott Peterman, Ph.D.**  
Senior product marketing manager



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