Quantum-Si and Researchers to Showcase Next-Generation Protein Sequencing™ at US HUPO 2025

February 13, 2025

BRANFORD, Conn.--(BUSINESS WIRE)--Feb. 13, 2025-- Quantum-Si Incorporated (Nasdaq: QSI) (“Quantum-Si,” “QSI” or the “Company”), The Protein Sequencing Company ™, and several distinguished researchers will highlight advances in Next-Generation Protein Sequencing™ (NGPS™) at the US Human Proteome Organization’s 2025 conference in Philadelphia, Pennsylvania through a panel discussion and multiple poster presentations.

Sponsored Panel Discussion: Breaking Boundaries in Proteomics

Quantum-Si is sponsoring and moderating the panel event “Breaking Boundaries: How Next-Generation Protein Sequencing™ is Shaping the Future of Proteomics” on February 25 from 12:30-1:30 PM ET. The session will provide an overview of the latest research leveraging Quantum-Si’s Platinum ® Pro benchtop instrument, including a pioneering protein barcoding kit for sample multiplexing and a new library preparation solution for lower sample input.

Following the presentation, Dr. Benjamin Garcia (Washington University in St. Louis), Dr. Stephanie Cologna (University of Illinois Chicago), and Dr. John Prensner (University of Michigan) will engage in a discussion on the transformative impact of NGPS on proteomics, its role in overcoming existing challenges, and its integration with complementary technologies.

Scientific Posters Highlighting NGPS Innovation

Protein Sequencing with Single Amino Acid Resolution Discerns Myopathy-linked Regions in Tropomyosin Peptidoforms

- Presenter: Madison Mehlferber, Ph.D., Postdoctoral Research Associate, University of Virginia
- Demonstrates the ability of NGPS to differentiate structurally similar tropomyosin isoforms and post-translational modifications, highlighting its potential for resolving protein complexity at the single-amino-acid level
- February 24th, Poster 777

Reducing Protein Input for Next-Generation Protein Sequencing on the Platinum Instrument

- Presenter: Madelyn Davis, Field Application Scientist, Quantum-Si
- Introduces a new Library Prep Kit that significantly lowers the required protein input while maintaining high sequencing accuracy, expanding the applicability of NGPS to biological and clinical samples.
- February 25th Poster 792

Accurate Measurement of Peptide Variant Mixtures with Next-Generation Protein Sequencing

- Presenter: Deepak Mistry
- Demonstrates a partitioning model that enhances the precision of peptide variant composition estimation, facilitating improved NGPS analysis in biological and synthetic peptide mixtures
- February 25th Poster 794

Protein Barcoding and Next-Generation Protein Sequencing for Multiplexed Protein Selection, Analysis and Tracking

- Presenter: Joel McDade, Ph.D.
- Introduces protein barcoding as a transformative tool for the multiplexed identification and characterization of proteins, providing a robust mechanism for precise tracking of protein affinity, location, and expression
- February 25th Poster 796

About Quantum-Si Incorporated

Quantum-Si, The Protein Sequencing Company™, is focused on revolutionizing the growing field of proteomics. The Company’s Platinum® line of instruments enables Next-Gen Protein Sequencing™ that advances proteomic research, drug discovery, and diagnostics beyond what has been possible with existing proteomic tools. Learn more at quantum-si.com or follow us on LinkedIn or X.

View source version on businesswire.com: https://www.businesswire.com/news/home/20250213208611/en/

Investor Contact
Jeff Keyes
Chief Financial Officer
ir@quantum-si.com

Media Contact
Katherine Atkinson

SVP, Commercial Marketing
media@quantum-si.com

Source: Quantum-Si Incorporated