

From Peaks to Power

Context-Driven Determinants of Accuracy in Large-Scale Proteomics

The promise of population-scale proteomics is not simply greater depth or throughput, but the ability to make statistically powered, in-depth biological observations across large cohorts.

From Peaks to Power examines the acquisition context needed to preserve quantitative fidelity and biological signal at scale.



Name: Lee Cantrell



Session: Poster PS03.002



Date: September 30



Time: 1:15 PM



Location: Exhibit Hall

SCIENTIFIC PRESENTATION SCHEDULE

DATE	TYPE	SESSION	TIME / LOCATION	TITLE	PRESENTER
Sep 28	Breakfast Seminar	IS03	7:45 AM Room 330	The PRECISE-SG100K study: Precision Health Research for Asian Populations	John Chambers
Sep 28	Breakfast Seminar	IS03	7:45 AM Room 330	Early insights into proteomic profiling by Seer Proteograph in SG100K	Nilanjana Sadhu
Sep 28	Talk	CS12.1	10:30 AM Nicol 2-3	Comparative Oncology: Harnessing Naturally Occurring Cancers in Companion Animals to Advance Human Cancer Research	Je-Yoel Cho
Sep 28	Poster	PS01.123	1:15 PM Exhibit Hall	Matrix-Stratified Urine Proteomics Enables Robust Biomarker Discovery for Bladder Cancer Despite Matrix-Induced Bias	Chanil Kim
Sep 28	Talk	CS05.1	3:00 PM Nicholl 2-3	ID-Free Proteomics for Multi-Cancer Screening	Sang-Won Lee
Sep 29	Talk	CS17.2	3:00 PM Room 331	Multi-Platform Proteomic PheWAS for Cardiovascular Biomarker Discovery in a Multi-Ethnic Asian Cohort	Nilanjana Sadhu
Sep 29	Talk	CS20.1	4:15 PM Nichol 2-3	Keynote Speaker: Advancements in Large Scale Proteomics	John Chambers
Sep 30	Poster	PS03.001	1:15 PM Exhibit Hall	Proteomic Ageing Clocks: Evaluating and Integrating Multi-Platform High-Throughput Plasma Proteomics for Improved Biological Age Prediction	Akash Bahai
Sep 30	Poster	PS03.002	1:15 PM Exhibit Hall	From Peaks to Power: Context-Driven Determinants of Accuracy in Large-Scale Proteomics	Lee Cantrell
Sep 30	Poster	PS03.018	1:15 PM Exhibit Hall	Exploring the Complementary Landscape of High-Throughput Proteomics Platforms in a Multi-Ethnic Asian Cohort: Preliminary Insights	He Wang
Sep 30	Poster	PS03.151	1:15 PM Exhibit Hall	Pathogen-Specific Protein and Immune Signatures in Type 2 Diabetes Reveal Bacterial-Driven Host Defense Alterations	Frank Schmidt
Sep 30	Poster	PS03.183	1:15 PM Exhibit Hall	Integrating Seer Technology with Orbitrap Astral for High Throughput Plasma Proteomics	Wendy Yanchao Liu