

VIRTUAL SYMPOSIUM: Accelerating the Next Generation of Immune Medicine with Single-Cell Proteomics

25. November 2021

12 pm

SPEAKERS



Mourad Ferhat | IsoPlexis
Accelerating Pre-Clinical
Research With Cellular
Proteomics



Steven Johnstone | IsoPlexis
Single-cell functional
proteomics project on the
IsoSpeak Software

Join our virtual symposium to learn how IsoPlexis' technology is used to functionally phenotype single cells based on their secretome or phosphoproteome. Application areas include single cell and bulk protein analysis in cancer immunotherapies, infectious diseases and autoimmune diseases, regenerative medicines and oncology.

With single-cell proteomics applications, detect a wide range of cytokines (30+) or phosphoproteins per single-cell and uniquely enable the resolution of the heterogeneity of cell subpopulations, elucidating key pre-clinical translational biomarkers to accelerate research and discovery.

Discussion topics include:

- Adding the single-cell level to the Sandwich-ELISA technology: An introduction to IsoPlexis' innovative chip-based and fully-automated analysis instruments
- Exemplary case discussions on how IsoPlexis' chip families are used in different application areas: Adaptive immune, innate immune, inflammation, tumor signaling, cytokine storm, stem cell signalling
- The key tool for the visualization of complex data: How the big data problem is solved by the Software Analysis suite IsoSpeak
- How the high expectations for the prediction of new therapies are met: Introduction to the PSI (Polyfunctional Strength Index), a new metric with its high impact for cell and gene therapy, cancer immunology, inflammation, oncology, and infectious disease

