



University Department of Rheumatology

# Advancing Precision Medicine: Unlocking Insights through Translational Proteomics

Online Symposium

Thursday, April 4th 2024, 16.00 – 18.00 CET

# Programm

Translational proteomics plays a key role in identifying clinically relevant protein biomarkers, swiftly progressing from discovery to validation. These biomarkers have significantly enhanced disease diagnosis, enabling monitoring, predicting recurrence, and guiding therapeutic interventions. While genetic markers highlight susceptibility, they fall short in confirming disease presence.

Phenotypic markers, particularly alterations in protein expression, are crucial for this purpose. Clinical proteomics, concentrating on uncovering protein biomarkers, represents a pivotal advancement for personalized, early disease detection, diagnosis, and treatment.

Session chairs: Prof. Dr. Przemyslaw Blyszczuk and Prof. Dr. Gabriela Kania

**16.00 h**

## **Welcome**

Prof. Dr. Gabriela Kania, Center of Experimental Rheumatology, Department of Rheumatology, University Hospital Zurich, University of Zurich, Zurich, Switzerland

**16.05 h**

## **Leveraging Surfaceome Nanoscale Organization for Theranostics**

Prof. Dr. Bernd Wollscheid, Department of Health Sciences and Technology, ETH Zurich, Institute of Translational Medicine, Zurich, Switzerland

**16.35 h**

## **Mass spectrometry-based proteomics: Technological advances and application in body fluid and spatial proteomics**

Prof. Dr. Matthias Mann, Dept. Proteomics and Signal Transduction, Max-Planck Institute of Biochemistry, Munich, Germany

**17.05 h**

## **Disrupting Healthcare using Deep Data and Remote Monitoring**

Prof. Dr. Michael Snyder, Department of Genetics, Stanford University School of Medicine, Stanford, CA, USA

**17.35 h**

## **Towards Implementation: Proteomics in the Clinical Setting**

Prof. Dr. Justin Oldham, Division of Pulmonary, Critical Care and Sleep Medicine, University of California Davis, Sacramento, CA, USA

## **Contact**

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