Virchow 2.0 Open call virtual brokerage event

16:00-16:10 **Welcome & Introduction Virchow 2.0 Open Call**

16:10-17:05 **Project idea pitches (4 min max. per pitch)**

16:10-16.20 **Innovative single-cell & AI technologies**

Wilfried Weigel SCIENION GmbH
Single cell sorting, isolation and dispensing, for cell line development and omics sample preparation.

16:20 - 16:35 **Predictive personalized disease models**

Michèle Simon Charité-Universitätsmedizin Berlin

Generation of a patient-derived organoid biobank for pediatric brain cancers that captures disease and tissue heterogeneity and their application for drug screening.

Agnieszka Rybak-Wolf MDC
Development of next-generation 3D brain tissue model for studying neurodegenerative diseases

Markus Morkel Charité-Universitätsmedizin Berlin
Cancer Cell Trajectories to Predict Therapy Response

16:35 - 16:55 **Precise molecular and cellular diagnostics**

Jens von Kries FMP&MDC
Automated Computer aided Cell Morphology Pattern Response Profiling

Lars Dähne Surflay Nanotec GmbH
Micro-"Whispering Gallery Mode" analytics in cell arrays

Sebastian Kersting Fraunhofer IZI-BB
Efficient and adaptive cell diagnostics by isothermal amplification

Fatima Lunze DHZB und Charité - Universitätsmedizin Berlin
TBD

Susanne Wolf Charité-Universitätsmedizin Berlin
Discover sex differences in an animal model for diabetic retinopathy with single cell sequencing

16:55 – 17:05 **Out of the box / emerging fields**

Martin Forbes MDC
Scaling and automation of pulsed stable isotope resolved metabolomics for clinical applications.

Michael Launspach Charité - Universitätsmedizin Berlin
Personalized Tumor Gene Therapy using CRISPR/Cas

17:05-17:30 **Q&A**