

Virchow 2.0 Open call virtual brokerage event

Registration link: <https://mdc-berlin.zoom.us/meeting/register/tJYscOivpj0qGdlLnkoHOyHFGX6GPVf45UH8>

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

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

16:10-16:25 **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

16:25-16:30 **New drugs targets and cellular therapies**

Milad Rezvani Charité-Universitätsmedizin Berlin
Establishing In Vivo Hepatocyte Reprogramming in a Humanized Mouse Model of Non-Alcoholic Fatty Liver Disease as a Blueprint Therapy for Chronic Liver Diseases

16:30-16:55 **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
Diagnosing Heart Transplant Rejection via Liquid Biopsy Sequencing

Asa Asadollahbaik OM-LoT
Single cell diagnostics based on their optical fingerprint

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

Stefan Kempa 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**