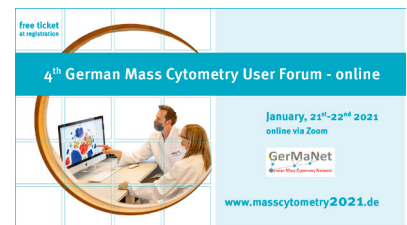


Thursday, January 21st, 2021



10.30 Welcome, Henrik Mei

Getting started... ..with mass cytometry

- 10:45 Désirée Kunkel, Berlin: Principles of mass cytometry (10)
10:55 Axel Schulz, Berlin: Suspension mass cytometry - basic workflows (20)
11:15 Désirée Kunkel, Berlin: Introduction to Imaging mass cytometry (10)
11:25 Henrike Salié/Bertram Bengsch, Freiburg: Imaging mass cytometry - basic workflows (20)
11:45 Sarah Warth, Ulm, and all presenters: Q&A, tips and tricks (30)
please send questions to: axel.schulz@drfz.de
12:15 *Coffee break*

Session 1 - Mass Cytometry vs COVID-19

Chairs: Bertram Bengsch & Henrik Mei

- 13:20 Birgit Sawitzki, Berlin: CyTOF-mediated characterisation of the myeloid cell compartment in severe COVID-19 (15+5)
13:40 Henrike Salié, Freiburg: Spatial single-cell mapping reveals an altered local immune response in COVID-19 brains (15+5)
14:00 Short talk: Malte Lehmann, Berlin: Human small intestinal infection by SARS-CoV2 is characterized by an activation of CD8+ T cells (12+3)
14:15 Short talk: Dena Panovska, Leuven: Mapping the recovery of critically ill COVID19 patients by high-dimensional profiling identifies blood immunotypes following a specific immune trajectory(12+3)
14:30 *Coffee break*

Session 2 News from ... & selected abstracts

Chairs: Marie Burns & Sarah Warth

- 15:00 ...BIH Berlin: Chotima Böttcher - The uses and limitations of single-cell mass cytometry for studying human microglia function (15+5)
15:20 ... Ulm: Habib Rahimi: Characterization of acute erythroid leukemia using mass cytometry (15+5)
15.40 ... MPI MG Berlin: Marie-Laure Yaspo (15+5)
16.00 Short talk: Florian Ingelfinger, Zurich: Single-cell profiling of Myasthenia Gravis identifies a pathogenic T cell signature (12+3)

Webinar by OMIQ

Chair: Axel Schulz

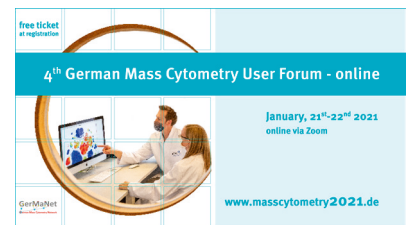
- 16.20 Chris Ciccolella, Santa Clara, USA: Mastering High-Dimensional Analysis with the OMIQ Platform
16:40 *Coffee break*

Session 3

Chair: Henrik Mei

- 17:00 Chris Tape, London, UK
Single-Cell Signalling Analysis of Tumour Microenvironment Organoids
17:40 *Good night for today*

Friday, January 22nd, 2021



Speed talks

Chair: Axel Schulz, Désirée Kunkel & Sarah Warth

10:00 Speed talks from selected abstracts (3 min each)

11:45 *Coffee break*

Webinar by Fluidigm

Chair: Henrik Mei

12:00 Speaker: Andrew Quong, Chief Scientific Officer Fluidigm Corporation
Preliminary Title: Mass Cytometry - a glance into the future

12:40 *Coffee break*

Session 4 News from...

Chairs: Marie Burns

13:00 ...DRFZ: Axel Schulz: Severe COVID-19 is characterized by an increased induction of peripheral plasmablasts with an aberrant CD62L+HLA-DRlow phenotype (15+5)

13:20 ...Munich: Selina Keppler/Marc Rosenbaum: Establishing CyTOF panels for the analysis of murine immune cells (15+5)

13:40 ...Freiburg: Lena Sophie Mayer: Alterations in tissue-resident memory and exhausted-like CD8+ T cells in active UC. (15+5)

14:00 ...Granada: Paulina Rybakowska: Experimental and data processing workflow for large-scale immune monitoring studies by mass cytometry (15+5)

14:20 *Coffee break*

Session 5 Data Analysis

Chairs: Henrik Mei, Axel Schulz

14:40 Lucie Rodriguez, Scilifelab, Stockholm, SE: Multi OMICs data integration (15+5)

15:00 Denis Schapiro, Harvard, USA: „Google Maps” for tissue biology - Mapping the tumor microenvironment with spatial omics technologies (25+5)

15:30 Mark Robinson/Helena Crowell, Univ. Zurich, CH: tba (25+5)

Webinar by Beckman Coulter/Cytobank

Chair: Henrik Mei

16:15 Speaker: Dr. Giulia Grazia, Beckman Coulter Life Sciences, Italy
Title: Navigate safely through a sea of data: management and analysis made smart!

16:35 *Coffee break*

Virtual round table

Chair: Henrik Mei

16:45 Select speakers - Discussion of hot topics, Q&A

17:45 Farewell and goodbye