9th Annual Fluidigm Mass Cytometry Summit

On Demand | Virtual event

Presentation Title	Speaker
**Welcome and Opening Remarks	Auditorium**	
Welcome and Opening Remarks	**Chris Linthwaite** President and CEO, Fluidigm **Andrew Quong, PhD** Chief Science Officer, Fluidigm **Alex Cherkassky** Senior Director, Mass Cytometry Franchise Head, Fluidigm
Breakout: New Applications for CyTOF Systems and Imaging Mass Cytometry from Fluidigm Meeting Room 1	
Live-cell barcoding with Cd-CD45 antibodies	**Michelle Poulin, PhD** Manager, Proteomics Field Applications
Creating CyTOF® panels just got even easier: Maxpar Panel Designer v2.0	**Kevin Brown, PhD** Field Applications Specialist
Drop-in expansion panels for the Maxpar® Direct™ Immune Profiling Assay™	**Noah Saederup, PhD** Senior Product Manager, Maxpar Reagents
Insights into the tumor microenvironment: High-dimensional single-cell spatial analysis using the Hyperion™ Imaging System	**Andrew Quong, PhD** Chief Science Officer, Fluidigm
**Mass Cytometry in Translational Research: Session I	Auditorium**	
Single-cell mass cytometry identifies mechanisms of resistance to immunotherapy in AML	**Shelley Herbrich, PhD** Department of Leukemia, University of Texas MD Anderson Cancer Center
Understanding CD19-negative relapse following CAR T therapies in acute lymphoblastic leukemia	**Kara Davis, DO** Maternal & Child Health Research Institute, Stanford University
Mass cytometry reveals distinct immune signatures marking progression from mild to severe COVID-19	**Bernd Bodenmiller, PhD** Professor for Quantitative Biology, Department of Quantitative Biomedicine, University of Zurich

Presentation Title	Speaker

Meet the Expert | Meeting Room 2

Meet the Expert	**Bernd Bodenmiller, PhD** Professor for Quantitative Biology, Department of Quantitative Biomedicine, University of Zurich
Meet the Expert	**Patrick Reeves, PhD** Instructor in Medicine, Harvard Medical School, Team Leader, Vaccine and Immunotherapy Center, Massachusetts General Hospital
Meet the Expert	**Rebecca Ihrie, PhD** Associate Professor of Cell and Developmental Biology, Vanderbilt University

Keynotes | Auditorium

Uncovering immunological mechanisms of protection from infection and vaccination in humans	**Marcelo Sztein, MD** Professor of Pediatrics, Associate Director for Basic and Translational Research, Immunology Group Leader, Center for Vaccine Development and Global Health, University of Maryland
Linking cellular location and patient prognosis in brain tumors	**Rebecca Ihrie, PhD** Associate Professor of Cell and Developmental Biology, Vanderbilt University

Panel Discussion: Perspectives on Getting Started with IMC | Meeting Room 1

Panel Discussion	**Philip Hobson, PhD** Deputy Head of Flow Cytometry, The Francis Crick Institute **Emily Mace, PhD** Assistant Professor of Pediatric Immunology, Columbia University

New Insights Gained with Imaging Mass Cytometry | Meeting Room 1

Characterizing distinctions in DARC-related Tumor immune MicroEnvironment (DARC TiME)	**Melissa Davis, PhD** Assistant Professor of Cell and Developmental Biology, Weill Cornell Medical College
Exploring the immune tumor microenvironment of hepatocellular carcinoma with Imaging Mass Cytometry™	**Won Jin Ho, MD** Assistant Professor of Oncology, Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Presentation Title	Speaker

Practical Mass Cytometry | Auditorium

Presentation Title	Speaker
On measuring photons and ions: Impact on panel design, signal detection and data quality	**Tim Bushnell, PhD, MBA** Associate Professor, Department of Pediatrics, Director, Shared Resource Laboratories, University of Rochester
Monitoring immunotherapy with a mass cytometry receptor occupancy assay	**Gerd Haga Bringeland, MD, PhD** Resident, Neurology, Haukeland University Hospital, Bergen
Process development and clinical assessment of CAR T cell products	**Greg Hopkins, BS** Senior Associate Scientist, bluebird bio

Breakout: Setting Yourself Up for Core Success – A Panel Discussion | Meeting Room 1

Presentation Title	Speaker
Panel Discussion	**Jared Burks, PhD** Associate Professor, Co-Director, Flow Cytometry and Cellular Imaging Core Facility, University of Texas MD Anderson Cancer Center **Matt Cochran, MS** Technical Director, URMC Flow Cytometry Shared Resource Laboratory, University of Rochester **Emily Thrash, PhD** Scientist II, Dana-Farber Cancer Institute **Akil Merchant, MD** Associate Professor and Director of Imaging Mass Cytometry Shared Resource, Cedars-Sinai Medical Center

Analytic Options for Mass Cytometry Data | Meeting Room 1

Presentation Title	Speaker
From data to insight: Explore the full potential of high dimensional data by leveraging machine learning algorithms	**Qianjun Zhang, MS** Staff Applications Scientist, Cytobank, Beckman Coulter
Utilizing FCS Express™ for high-dimensional data reduction with CyTOF: working with t-SNE and new tools on the horizon	**Sean Burke, MS** Director, Research Marketing and Business Development, De Novo Software™
Maxpar Pathsetter™: a comprehensive, automated, and flexible analysis for your Maxpar assay and beyond	**Beth Hill, PhD** Applications Specialist, Verity Software House
Visiopharm's live fireside chat on IMC™ analysis: an engaging, open, vendor-neutral discussion with two IMC analysis leaders	**Jared K. Burks, PhD** Associate Professor, Co-Director, Flow Cytometry and Cellular Imaging Core Facility, University of Texas MD Anderson Cancer Center **Trevor McKee, PhD** Image Analysis Manager, STTARR Innovation Centre **Regan Baird** Regional Director, Visiopharm®
Introduction to Indica Labs and HALO™ IMC analysis	**Donald Allen** Senior Application Scientist, Indica Labs

Presentation Title	Speaker
**Mass Cytometry in Translational Research: Session II	Meeting Room 2**	
Understanding the immunosuppressive functions of cancer-associated fibroblasts in lung cancer	**Handan Xiang, PhD** Senior Scientist, Merck Research Laboratories
Media smooth muscle cells reprogramming into mesenchymal stem cells drives aortic aneurysm formation	**Pei-Yu Chen, PhD** Research Scientist, Yale University
Unraveling the spatial distancing between immune compartments of COVID-19 tissues using IMC	**Hiranmayi Ravichandran, MS** Mass Cytometry Specialist, Weill Cornell Medical College
B cells and tertiary lymphoid structures promote immunotherapy response	**Rafet Basar, MD** Assistant Professor, Stem Cell Transplantation and Cellular Therapy, University of Texas MD Anderson Cancer Center
HLA-E and NKG2A as a novel immune checkpoint axis in bladder cancer	**Amir Horowitz, PhD** Assistant Professor of Oncological Sciences, Precision Immunology Institute/Tisch Cancer Institute, Icahn School of Medicine at Mount Sinai
**Tutorials: Data Analytics	Auditorium**	
Interrogating spatially resolved biomarkers in the tissue microenvironment with quantitative image analysis on Imaging Mass Cytometry datasets	**Trevor McKee, PhD** Image Analysis Manager, STTARR Innovation Centre
Developing an analysis pipeline for mass cytometry studies	**El-ad David Amir, PhD** Chief Executive Officer, Astrolabe Diagnostics
FAUST: A new interpretable machine learning approach for automated gating	**Raphael Gottardo, PhD** J. Orin Edson Foundation Endowed Chair, Scientific Director, Translational Data Science Integrated Research Center, Fred Hutchinson Cancer Research Center

MASS CYTOMETRY SUMMIT FLUIDIGM

labroots.com/s/masscytometry-summit
#cytofsummit2020