

Join the IMC Summit on October 21, 2021

Learn how you can gain research insights by deciphering and uncovering the complex secrets of spatial biology using Imaging Mass Cytometry.



Whether you are just starting to think about using proteomic approaches to deeply interrogate the tissue microenvironment, are performing your first high-multiplex experiments or are a veteran user of Imaging Mass Cytometry™ (IMC), this event has something for you. We are excited to share the agenda of what is sure to be an inspiring and thought-provoking half a day.

October is Breast Cancer Awareness Month, and we'll kick off with two excellent presentations on the use of IMC in research related to breast cancer. To support work aimed at combating this disease, Fluidigm will make a \$5 donation for every IMC Summit attendee,* with the proceeds going to charities selected by our two speakers.

Here's the exciting agenda! Register today at fluidigm.com/imcsummit2021

Speakers and Topics

Forum and Time

	<p>Welcome to the IMC Summit 2021</p> <p>Welcome Address Chris Linthwaite President and CEO, Fluidigm</p> <p>Moderator: Michelle Macpherson Director of Product Management, Imaging Mass Cytometry, Fluidigm</p>	<p>Auditorium 6:00 PT 9:00 ET 14:00 BST 15:00 CET</p>
	<p>Making an impact in breast cancer research</p> <p>Introduction Bernd Bodenmiller, PhD Dual Professor for Quantitative Medicine, University of Zurich and Institute for Molecular Health Sciences, ETH Zurich</p> <p>Capturing diversity in tumor microenvironments: Biological determinants of breast cancer disparities Melissa Davis, PhD Assistant Professor of Cell and Developmental Biology, Scientific Director of the International Center for the Study of Breast Cancer Subtypes, Weill Cornell Medicine</p> <p>Obesity, inflammation and cancer Daniela Quail, PhD Assistant Professor, Department of Physiology, Rosalind and Morris Goodman Cancer Research Centre, McGill University</p>	<p>Auditorium 6:10 PT 9:10 ET 14:10 BST 15:10 CET</p>

Speakers and Topics

Forum and Time



IMC Summit Keynote Presentation

Bertram Bengsch, MD, PhD

Group Leader, Department of Internal Medicine II,
University Medical Center Freiburg

Auditorium
7:10 PT | 10:10 ET
15:10 BST | 16:10 CET

Break

Visit The Promise of IMC and Product Kiosks

Kiosks
7:50 PT | 10:50 ET
15:50 BST | 16:50 CET



Ask an FAS: Sample preparation and panel design

Leigh-Anne McDuffus

Field Applications Specialist, Proteomics, Fluidigm

Ask an FAS
7:50 PT | 10:50 ET
15:50 BST | 16:50 CET



Expert User Insights: Roundtable Discussion

Moderator: Noah Saederup, PhD

Senior Product Manager, Mass Cytometry Reagents, Fluidigm

Panelists:



Dan Traum

Research Specialist, University of Pennsylvania

Marieke E. Ijsselsteijn

PhD Candidate, Leiden University Medical Center

Anthony Colombo

PhD Student in Biostatistics at University of Southern California,
in collaboration with Cedars-Sinai Graduate School of
Biomedical Sciences

Auditorium
8:05 PT | 11:05 ET
16:05 BST | 17:05 CET



Ask an FAS: ROI selection and considerations in selecting a data analysis pipeline

Eric Swanson, PhD

Senior Field Applications Specialist, Proteomics, Fluidigm

Ask an FAS
8:15 PT | 11:15 ET
16:15 BST | 17:15 CET



Introducing Maxpar® OnDemand

Clinton Hupple

Product Manager, Proteomics, Fluidigm

Auditorium
8:35 PT | 11:35 ET
16:35 BST | 17:35 CET



2021 Publication Spotlights

The spatial landscape of lung pathology during
COVID-19 progression

Andre Rendeiro, PhD

Postdoctoral Associate in Computational Biomedicine,
Institute for Computational Biomedicine and Englander Institute
for Precision Medicine, Weill Cornell Medicine

Joint Speakers:



Immunogenomics of colorectal cancer response to checkpoint
blockade: Analysis of the KEYNOTE 177 trial and validation cohorts

Michele Bortolomeazzi

PhD Student, Cancer Research UK King's Health Partners Centre,
Cancer Systems Biology Group, King's College London,
Francis Crick Institute

Lucia Montorsi, PhD

Postdoc in Peter Gorer Department of Immunobiology,
King's College London, Francis Crick Institute

Auditorium
8:50 PT | 11:50 ET
16:50 BST | 17:50 CET

Speakers and Topics

Forum and Time



Ask an FAS: Getting the most out of your data analysis

Wendell Smith, PhD

Field Applications Specialist II, Proteomics, Fluidigm

Ask an FAS

9:20 PT | 12:20 ET

17:20 BST | 18:20 CET



Getting Started: Panel Discussion

Moderator: **Alex Cherkassky, MS, MBA**
VP, Franchise Head, Spatial Tissue Imaging
and Mass Cytometry, Fluidigm

Panelists:

Hiran Ravichandran, MS

Research Associate, Weill Cornell Medicine

Aida Meghraoui-Kheddar, PhD, PharmD

Senior Postdoc, Institute of Molecular and Cellular Pharmacology

Corrine Ramos, MBA, PhD

Innovation & Marketing Director, ImaBiotech

Auditorium

9:20 PT | 12:20 ET

17:20 BST | 18:20 CET



Ask an FAS: Dual-mode system use, calibration and other instrument operation

Ron Cohn, MS

Senior Field Applications Specialist, Proteomics, Fluidigm

Ask an FAS

9:55 PT | 12:55 ET

17:55 BST | 18:55 CET

Break

Auditorium

10:00 PT | 13:00 ET

18:00 BST | 19:00 CET



Data Analysis Session I: The importance of cell segmentation in the data analysis pipeline

Notes from the bench: IMC data analysis from a biologist's perspective

Hartland Jackson, PhD

Investigator, Lunenfeld-Tanenbaum Research Institute

Joint Speakers:

Jay Hirota, PhD

Canada Research Chair in Respiratory Mucosal Immunology,
Assistant Professor of Medicine, McMaster University

Kjetil Ask, PhD

Associate Professor, Firestone Institute for Respiratory Health,
McMaster University

Data Analysis Sessions

10:15 PT | 13:15 ET

18:15 BST | 19:15 CET



Data Analysis Session II: Visiopharm® high-multiplex software and a new import function

Build a strong foundation: Powerful cell segmentation with Visiopharm's advanced phenotyping software

Brit Boehmer, PhD

Technical Sales Specialist, Visiopharm

Data Analysis Sessions

10:55 PT | 13:55 ET

18:55 BST | 19:55 CET



Data Analysis Session III: An operationalized pipeline with IF data merging, HALO® and ImaCytE

Integrating IMC into an initial QC and deep multi-omic phenotyping workflow: A tissue-sparing approach to maximize the amount of remaining clinically collected tissues for other spatial technologies

M. Caleb Marlin, PhD

Project Manager, Arthritis and Clinical Immunology,
Oklahoma Medical Research Foundation

Data Analysis Sessions
11:15 PT | 14:15 ET
19:15 BST | 20:15 CET



Data Analysis Session IV: Data analysis methods in emerging applications

Barcoded IMC assays for an efficient spatial profiling of 3D spheroids

Vito Zanutelli, PhD

Recently from the Bodenmiller Lab, Department of Quantitative Biomedicine, University of Zurich

Data Analysis Sessions
11:35 PT | 14:35 ET
19:35 BST | 20:35 CET



Come celebrate 100-plus Imaging Mass Cytometry publications and hear how IMC is advancing our understanding of health and disease.

Learn more and register today at fluidigm.com/imcsummit2021

*Donation of up to \$3,000 based on \$5 for each attendee who attends the summit for at least 1 hour

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