

# 12th Annual CyTOF Summit | May 19, 2023 | Montreal, Canada | Humaniti Hotel

## Agenda at a Glance

### Morning General Sessions

Time	Topic	Speaker
7:30–8:30 am	<b>Registration, Breakfast (Foyer)</b>	
	Welcome Remarks	<b>Michael Egholm, PhD</b> President and CEO, Standard BioTools™
8:30–9:45 am	Spatial Dissection of the Tumor	<b>Daniela Quail, PhD</b> , McGill University
	IRF2: A Foundational Feedback Molecule	<b>Sabelo Lukhele, PhD</b> , University Health Network
9:45–10:15 am	<b>Refreshment Break (Foyer)</b>	
	Introduction to CyTOF® XT	<b>Thiru Selvanantham, PhD</b> , Standard BioTools
	Application of CyTOF XT™	<b>Florence Patel</b> , GSK
	Introduction to the Hyperion XTi™ Imaging System	<b>Clinton Hupple</b> , Standard BioTools
10:15 am–12:00 pm	Application of the Hyperion™ XTi Imaging System	<b>Jennifer Gorman, PhD</b> , Sinai Health
	Simplifying Flow and Imaging Workflows	<b>Jennifer Frahm, PhD</b> , Standard BioTools
12:00–1:00 pm	<b>Lunch (Foyer)</b>	

### Afternoon Breakout Sessions

#### Flow Cytometry

	Topic	Speaker
1:00–2:45 pm	Unlocking the Power of High-Dimensional Data	<b>Allie Greenplate, PhD</b> University of Pennsylvania
	Building a Best Analytical Toolbox	<b>Alice Wiedeman, PhD</b> Benaroya Research Institute
	Mass Cytometry and IMC™ Integration in Multi-Omic Study	<b>Brice Gaudillière, MD, PhD</b> Stanford University
	Considerations in CyTOF Data Analysis Workflows	<b>Faris Naji</b> , Tercen

#### Imaging Mass Cytometry™

	Topic	Speaker
1:00–2:45 pm	Addressing Cancer Disparity in Prostate Cancer	<b>Hiranmayi Ravichandran, MS</b> Weill Cornell Medicine
	Spatial Analysis of High-Dimensional Imaging Data	<b>Thomas Ashhurst, PhD</b> The University of Sydney
	Exploring the Potential of Imaging Mass Cytometry	<b>Vinicius Motta, PhD</b> Standard BioTools
	Introducing Phenoplex™	<b>Regan Baird, PhD</b> Visiopharm®

#### 2:45–3:15 pm Break (Foyer)






### Afternoon General Sessions

Time	Topic	Speaker
3:15–5:00 pm	Mass Cytometry Pathways	<b>Jared Burks, PhD</b> , The University of Texas MD Anderson Cancer Center
	Multiplexed Barcoding for Quantitative Bioanalysis	<b>Chad Stevens, MS</b> , Pfizer
	Panel: Build a Strong and Successful Core	<b>Phil Hobson, PhD</b> , The Francis Crick Institute <b>Caroline E. Roe, MLI</b> , Vanderbilt University
	Closing Remarks	<b>Michael Egholm, PhD</b> President and CEO, Standard BioTools
5:00–6:00 pm	<b>Happy Hour (Terrace H3)</b>	
6:00 pm	<b>Reception (Terrace H3)</b>	

## Morning General Sessions

Speakers and Topics (8:30–9:45 am)	Hemisphere
 <p><b>Welcome From Standard BioTools</b> Michael Egholm, PhD President and CEO, Standard BioTools</p>	15 minutes
 <p><b>Spatial Dissection of the Tumor Immune Microenvironment: Applications for Fundamental and Translational Research</b> Daniela Quail, PhD Assistant Professor, Rosalind and Morris Goodman Cancer Centre and Department of Physiology, McGill University</p>	30 minutes
 <p><b>IRF2 Drives Interferon-Mediated CD8+ T Cell Exhaustion to Restrict Antitumor Immunity</b> Sabelo Lukhele, PhD Scientific Associate, Princess Margaret Cancer Centre University Health Network</p>	30 minutes

Morning Break 9:45–10:15 am	Foyer
-----------------------------	-------

Speakers and Topics (10:15 am–12:00 pm)	Hemisphere
 <p><b>Introduction to CyTOF XT</b> Thiru Selvanantham, PhD Director, Product Line Management, Flow Cytometry</p>	10 minutes
 <p><b>Implementation and Preclinical Applications of Mass Cytometry in the Pharmaceutical Industry</b> Florence Patel Investigator, CyTOF Preclinical Capability Lead, GSK</p>	30 minutes
 <p><b>Introduction to the Hyperion XTi Imaging System</b> Clinton Hupple Director, Product Line Management, Flow Cytometry</p>	10 minutes
 <p><b>Tumors as the Sum of Their Parts: From Rare Cells to Multicellular</b> Jennifer Gorman, PhD Scientific Associate and Lab Manager, Lunenfeld-Tanenbaum Research Institute, Sinai Health</p>	30 minutes
 <p><b>Simplify Flow and Imaging workflows: Application Case Studies for Translational and Clinical Research</b> Jennifer Frahm, PhD Senior Manager, Global Field Applications, Standard BioTools</p>	25 minutes

Lunch (12:00–1:00 pm)	Foyer, Hemisphere
-----------------------	-------------------

## Afternoon Breakout

Flow Cytometry Breakout   Speakers and Topics (1:00–2:45 pm)		Hemisphere
	<b>Unlocking the Power of High-Dimensional Data for Clinical Research and Patient Care</b> Allie Greenplate, PhD Director of Strategic Alliance and Operations, Institute for Immunology and Immune Health, University of Pennsylvania	30 minutes
	<b>Building a Best Analytical Toolbox</b> Alice Wiedeman, PhD Manager, Human Immunophenotyping Core Benaroya Research Institute	30 minutes
	<b>Stabl for Integration of Mass Cytometry and IMC in Multi-Omic Biomarker Discovery</b> Brice Gaudillière, MD, PhD Associate Professor, Stanford University	15 minutes
	<b>Considerations in CyTOF Data Analysis Workflows, a Fresh Approach With Tercen</b> Faris Naji CEO and Co-Founder, Tercen	15 minutes

Imaging Breakout   Speakers and Topics (1:00-2:45 pm)		Hybride
	<b>Addressing Cancer Disparity in Prostate Cancer Through Multiplexing Lens</b> Hiranmayi Ravichandran, MS Director, Spatial Biology, Englander Institute for Precision Medicine Senior Research Associate, Weill Cornell Medicine	30 minutes
	<b>Integrated Cellular and Spatial Analysis of High-Dimensional Imaging Data</b> Thomas Ashhurst, PhD Senior Cytometry Scientist, Sydney Cytometry Core Research Facility,	30 minutes
	<b>Revolutionizing Spatial and Image Biology: Exploring the Potential of Imaging Mass Cytometry</b> Vinicius Motta, PhD Senior Field Application Scientist, Standard BioTools	15 minutes
	<b>Introducing Phenoplex: A Complete Workflow for Multiplex Image Analysis</b> Regan Baird, PhD SVP Research Product Strategy, Visiopharm	15 minutes

Break 2:45–3:15 pm	Foyer
--------------------	-------

## Afternoon General Session

Speakers and Topics (3:15–5:00 pm)	Hemisphere
 <p><b>Mass Cytometry Pathways</b> Jared Burks, PhD Professor and Co-Director of the Flow Cytometry and Cell Imaging Core Facility, The University of Texas MD Anderson Cancer Center</p>	30 minutes
 <p><b>Multiplexed Barcoding for Quantitative Bioanalysis</b> Chad Stevens, MS Senior Scientist, CyTOF Operator, Pfizer Worldwide Research &amp; Development</p>	30 minutes
 <p><b>Mass Cytometry's Place in a Busy Flow Core</b> Phil Hobson, PhD Deputy Head, Flow Cytometry, The Francis Crick Institute</p>	30 minutes
 <p><b>Mass Cytometry in a Shared Resource Setting: What Worked, What Didn't and How We Got Here</b> Caroline E. Roe, MLI Managing Director, Cancer &amp; Immunology Core, Vanderbilt University</p>	
 <p><b>Closing Remarks From Standard BioTools</b> Michael Egholm, PhD President and CEO, Standard BioTools</p>	15 minutes
<b>Happy Hour (5:00–6:00 pm)</b>	Terrace H3
<b>Evening Reception, Heavy Metals Rock! Party (6:00–9:00 pm)</b>	Terrace H3

## Solution and Partner Exhibits



**Tercen** is a data analytics platform that allows biologists to explore their biomedical datasets with visual tools. Tercen pipelines use open source algorithms to specialize in mass cytometry, scRNAseq and image analysis. It gives bioinformatics capabilities to the non-coder and provides advanced collaboration tools for sharing data and making reports.



**Visiopharm** is a leading provider of AI-driven precision pathology software for research and diagnostics. In research, it is a technology leader providing tools that help scientists, pathologists and image analysis experts produce accurate data for all types of tissue-based research. In diagnostics, it is a leader within clinical applications, with no less than eight diagnostic algorithms cleared under IVDR for EU customers. These applications provide diagnostic decision support and can be easily activated and integrated into existing lab workflows.



**ACD, a Bio-Techne brand**, is a pioneer in the advancement of spatial genomics and leader in the molecular pathology field. Based on proprietary RNAscope™ technology, the first multiplex fluorescent and chromogenic ISH platform, we enable the detection and quantification of RNA within spatial context. Our portfolio includes RNAscope, BaseScope™, miRNAscope™, DNAscope™ and HiPlex™ v2.



**Surge** is positioned to revolutionize precision medicine by decrypting the immune system. We introduce Biomics, an advanced software offering an automated platform for omics data analysis using statistics and machine learning. Central to Biomics' innovation is Stabl, a novel method that streamlines biomarker discovery by identifying a restricted and reliable set of biomarkers, making it simpler to interpret and translate research findings



### Standard BioTools Discovery Lab

Explore our comprehensive menu of standard and custom services, aligned to your project goals, budget and timelines. Our labs are available for instrument demonstration, service projects and much more at one of our global locations.



### Ask an Expert

Meet with our Field Application Scientist to discuss how to build and customize high-parameter panels and design and simplify flow and imaging workflows, and to learn about our latest applications empowered by CyTOF technology and our many other products and services.

### For Research Use Only. Not for use in diagnostic procedures.

Limited Use Label License: The purchase of this Standard BioTools Instrument and/or Consumable conveys to the purchaser the limited, nontransferable right to use only with Standard BioTools Consumables and/or Instruments respectively except as approved in writing by Standard BioTools Inc. (f.k.a. Fluidigm Corporation): [www.standardbio.com/legal/salesterms](http://www.standardbio.com/legal/salesterms). Patents: [www.standardbio.com/legal/notices](http://www.standardbio.com/legal/notices). Trademarks: Standard BioTools, the Standard BioTools logo, Fluidigm, the Fluidigm logo, CyTOF, CyTOF XT, Hyperion, Hyperion XTi, Imaging Mass Cytometry, IMC and XTi are trademarks and/or registered trademarks of Standard BioTools Inc. or its affiliates in the United States and/or other countries. All other trademarks are the sole property of their respective owners.

©2023 Standard BioTools Inc. All rights reserved. 05/2023