

The International Society for Advancement of Cytometry Proudly Presents



REACHING NEW HEIGHTS

CYTO 2025 • DENVER • MAY 31-JUNE 4

Program

SAT May 31

SUN June 1

MON June 2

TUE June 3

WED June 4

Welcome Program Call for Presentations Registration & Housing Exhibitors & Sponsors Travel Funding and Awards Contact Us

830-1000 Imaging & Spatial Biology Frontier Mile High Ballroom 2A

900-1500 CYTO Youth Mile High Ballroom 2C

1000-1045 Coffee Break Bluebird Ballroom

1045-1145 Parallel

Infectious Disease - Mile High Ballroom 1A

Session Chairs: Evan Jellison & Joanna Roberts

Characterizing monocyte cell subtypes using mass cytometry in Ugandans with and without HIV, tuberculosis, and atherosclerotic cardiovascular disease

José Cobeña-Reyes, PhD - Cincinnati Children's Hospital Medical Center

High levels of HIV-1-specific polyfunctional CD8+ and CD4+ T cells are associated with post-treatment control of HIV-1.

Rikke Olesen, MD, PhD - Aarhus University

Neutrophil PD-L1+ is involved in the exacerbation signature of the hyperinflammatory phenotype septic response

Guilherme Cebinelli, PhD - Hospital Israelita Albert Einstein

What 1 million papers teach us about flow: the long tail of disease-associated subtypes

Dan Freeman, PhD - terraFlow

High Content/High Parameter Analysis - Mile High Ballroom 1D

Session Chairs: Laura Ferrer-Font & Kathryn Hally

Deep-Immunophenotyping Panels in Clinical Trial Testing: Driving Efficiency Through Automation

Taryn Mockus, PhD - GSK

Immunology Session 2 - Mile High Ballroom 2A

Novel functional diversity of human T cells is revealed through the unprecedented resolution of intracellular cytokines, transcription factors and phosphoproteins using mass cytometry (CyTOF)

Jennifer Snyder-Cappione, PhD - Boston University

Optimized Workflow for High-Parameter Myeloid Cell Profiling in Models of Pancreatic Cancer

Diana Carolina Vargas Carvajal, MS - Johns Hopkins

Spectral hotspot analysis reveals unmixing-dependent spreading

Peter Mage, PhD - BD Biosciences

Session Chairs: Jessica Back & Axel Schulz

Dynamic single-cell characterization of antigen-specific activation of TCR-engineered T cells using time-lapse flow cytometry

Yulia Shulga, PhD - LASE Innovation

Implementation of a Novel 50+ Parameter Cytometry Benchmarking Immune Phenotyping Workflow for Multicenter Clinical Trials to Improve Equity in Cancer Prognosis for Individuals in Remote Settings.

Natalie Smith, BSc - The University of Sydney

Multidimensional profiling of human T cells reveals high CD38 expression, marking recent thymic emigrants and age-related naive T cell remodeling

Pavla Bohacova, PhD - Washington University in St Louis

Ultra-deep characterization of T Cells: Unprecedented simultaneous measurement of transcription, translation, and post-translational markers in an activated T cell

Pratip Chattopadhyay, PhD - Talon Biomarkers

Cell Therapy & Cancer Biology Session 2 - Mile High Ballroom 4A

Session Chairs: Michael Zordan & Wesley Wilson

Changes in CAR T-cells manufacturing conditions yield to distinct T cell differentiation states, metabolic poise, and cytotoxic function

Laurissa Ouaguia, PhD - Agilent

Development of a customizable mouse backbone panel for spectral flow cytometry to delineate immune cell populations in normal and tumor tissues

Rui Gardner, PhD - Memorial Sloan Kettering Cancer Center

Machine Learning-Based Biomarker Development for Immunotherapy Response Prediction in Resectable Hepatocellular Carcinoma: A Single-Center Study

Yu-Fen Wang, Master of Science - AHEAD Medicine Corporation

Nanovials as a Platform to Elucidate Tumor-T Cell Interactions and Identify Potent TCRs

Sevana Baghdasarian, MS in Chemical Engineering - University of California, Los Angeles (UCLA)

Standardization & Quantitation - Mile High Ballroom 4D

Session Chairs: Eva Orłowski-Oliver & Rachael Sheridan

Analyzing Photodetectors Individually to Develop Standard Operating Conditions

James Wood, PhD - Consultant

Comparable and Standardized Antigen Expression analysis by Flow Cytometry

Linhua Tian, MS - National Institute of Standards and Technology (NIST)

Preprocessing – The unsung hero of cytometry data analysis

Annelies Emmaneel, PhD - VIB-UGent Center for Inflammation Research

Time-resolved studies for quantitative characterization and standardization for quantum cytometry

John J. Gonzalez-Murillo, MSc - Miftek Corporation

1215-1315 ▾ Commercial Tutorials

1345-1515 ▾ CYTO Women Plenary Mile High Ballroom 2A

1515-1545 ▾ Awards Ceremony Mile High Ballroom 2A

1545-1645 ▾ Business Meeting Mile High Ballroom 2A

1830-2130 ▾ Closing Reception Lucky Strike Denver



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