

6th Annual Mass Cytometry Summit

Agenda

8:30 **Registration: Museum of Science, Welcome Hall**

Continental Breakfast: Washburn Pavilion, Lower Level

9:30 **Welcoming Remarks**

Gary Impey, PhD—Fluidigm

Cahners Theater, Blue Wing Level 2

The Translation of Mass Cytometry

9:45 **Multiparameter Single-Cell Profiling in Translational Investigations Using Mass Cytometry**

Ruth R. Montgomery, PhD—Yale School of Medicine

10:15 **Interrogating Dysregulated Cytokine-Signaling Networks in Myeloproliferative Neoplasms**

Stephen Oh, MD, PhD—Washington University

10:45 **Coffee Break**

New Applications

11:15 **A Mass Cytometry Surrogate for Light Scatter**

Adeeb Rahman, PhD—Icahn School of Medicine at Mount Sinai

11:35 **Dynamics of T Lymphocyte Fate Specification Revealed by Tracing Cell Proliferative History**

Zinaida Good, PhD—Stanford University

11:55 **Extensive Characterization of Autoreactive CD8 T Cells in Type 1 Diabetes**

Alice Wiedeman, PhD—Benaroya Research Institute

12:15 **Lunch**

Washburn Pavilion

Best Practices

1:15 **Standardization and Quality Control for Studies of Human Samples**

Katja Kleinstaubler, PhD—Dana-Farber Cancer Institute

1:35 **Panel Design Optimization through the Designed Distribution of Signal Interference**

Bill O’Gorman, PhD—Genentech

1:55 **Computational Strategies for Mass Cytometry Data Analysis**

Nikolay Samusik, PhD—Stanford University

2:10 **A New Analytic Approach for Live Singlet Identification**

Bruce Bagwell, MD, PhD—Verity Software House

2:25 **Cytobank Solutions**

Vinko Tosevski, PhD—University of Zurich

2:45 **Coffee Break**

Panel Discussion

3:15 **Meeting the Challenge of Integrating Mass Cytometry at Your Institution**

Jonathan Irish, PhD—Vanderbilt University (Moderator)

John Daley, BS—Dana-Farber Cancer Institute

Ruth R. Montgomery, PhD—Yale School of Medicine

Mike Leipold, PhD—Stanford University

Carina Torres, BS—Eli Lilly

Mike Lee, MS—University of California, San Francisco

On the Horizon

4:00 pm **Mass Cytometry Meets Tissue Imaging**

Rob Ellis, PhD—Fluidigm

4:15 pm **Topographic Analysis of the Tumor Ecosystem Using Imaging Mass Cytometry**

Denis Schapiro, PhD—University of Zurich

4:45 **Closing Remarks**

Gary Impey, PhD—Fluidigm

5:00 **Cocktail Reception**

The Washburn Pavilion

7:00–9:00 **Museum of Science**

Free Admission for Summit Attendees