



ADVANCED FLOW CYTOMETRY
Taking Cytometry to the Next Dimension
August 31, 2021

MORNING SESSION Chairs: Hyun-Dong Chang, Gunnur Deniz

10.00 – 11.00 **Developments in advanced cytometry**
General overview of major developments in flow cytometry over the last two decades, including spectral analysis and mass cytometry.
Tomas Kalina (Charles University, Czechia)

11.00 – 12.00 **Analyzing COVID-19 specific immune responses**
Analysis of cellular and humoral immune responses to SARS-CoV-2 infection and insights into the immunopathology of COVID-19.
Petra Bacher (Christian-Albrechts-University of Kiel, Germany)

12.00 – 12.30 **Questions and Answers**

12.30 – 13.00 **LUNCH BREAK**

AFTERNOON SESSION Chairs: Tolga Sutlu, Sara de Biasi

13.00 – 14.00 **Simplified multimodal approach**
High dimensional analysis integrated with high dimensional sorting and single cell multi-omics.
Robert Balderas (Vice President of Biological Sciences at BD Biosciences)

14.00 – 15.00 **Integration and analysis of multidimensional flow cytometry data**
Data analysis in higher dimensions and new computational tools necessary for visualization of higher dimension data.
Yvan Saeys (Ghent University, Belgium)

15.00 – 15.30 **Questions and Answers**

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