

The New Frontiers of Molecular Cytometry

The opportunity to use multiple techniques to answer complex biological questions is changing and expanding our knowledge of immunology. We will share examples of high dimensional Single Cell analysis approaches showing how Multiomics can synergize with Flow Cytometry to support translational research-led discoveries.

28 June 2022 11:00am-16:30pm

- 10:30-11:00 Arrival
- 11:00-11:15 Welcome introduction- *Prof. Claudio Santoro, Director UPO-CAAD*
Where do we come from, where we are going.
Prof. Annalisa Chiocchetti, UPO-CAAD
- 1° session When the clinics synergize with the research lab: what we learned from pandemics
- 11:15-11:45 The long-COVID journey. *Prof. Mattia Bellan, UPO-CAAD*
- 11:45-12:15 Covid pandemic from a Cytometric perspective.
Dr. Giuseppe Cappellano, UPO-CAAD
- 12:15-12:30 Q&A session
- 2° session Multiomics
- 12:30-13:00 Single Cell Multiomics, a step ahead into Molecular Cytometry.
Werner Rodriguez, BD Biosciences
- 13:00-14:30 Social lunch and lab tour
- 14:30-15:00 Multi-parametric flow cytometry in Type 1 Diabetes: should we rewrite adaptive immunity paradigm? *Dr. Davide Raineri, UPO-CAAD*
- 15:00-16:00 Deep Science: high-dimensional biology for biomarker discovery and functional characterization of novel cell subsets.
Bob Balderas and Mirko Corselli, BD Biosciences
- 16:00-16:30 Q&A and conclusions.

Main Hall CAAD, Center for Translational Research on Autoimmune and Allergic Disease- CAAD Università del Piemonte Orientale
Corso Trieste 15/A, Novara

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