



DIMET COURSE

"Single Cell Analysis in the Era of Multidimensional Advanced Cytometry: Dissecting Heterogeneity of Immune System and Cancer Cells"

Organized by:
Giuseppe Gaipa and Andrea Biondi

PROGRAM

Wednesday, November 27, 2019 University of Milano-Bicocca, Milan, (IT) - Building U9,
Viale dell'Innovazione 10, Milan, Room U9/11, 1st Floor

IMMUNOLOGY

- 08:45 - 09:15 **Introduction**
Andrea Biondi, MD, Coordinator DIMET PhD Program
- 09:15 - 10:15 **"Basic Principles of Multicolor Flow Cytometry".**
Zofia Maciorowski, PhD, Flow Cytometry Core Facility, Institut Curie, PSL University, Paris (FR).
- 10:15 – 11:15 **"Single-cell flow cytometry based Computational analysis for dissection of the immune system."**
Enrico Lugli, PhD, Laboratory of Translational Immunology, Humanitas Clinical and Research Center, Rozzano , Milan (IT).
- 11:15 - 11.45 BREAK
- 11:45 - 12:45 **"Studying Primary Immunodeficiencies by multicolor flow Cytometry ".**
Tomas Kalina, MD, PhD, CLIP - Department of Paediatric Hematology/Oncology 2nd Medical School Charles University Prague (CZ).
- 12.45 – 13.45 LUNCH
- 13:45 – 15:45 DIMET PhD students (discussion)



Thursday, November 28, 2019 University of Milano-Bicocca, Milan, (IT) - Building U7, Via Bicocca degli Arcinboldi 8, Room U7/14, ground floor

ONCOLOGY

- 09:15 - 10:15 **“Single-cell developmental classification of B cell precursors cells by mass cytometry: Studying Acute Lymphoblastic Leukemia mechanisms and response to therapy”.** Jolanda Sarno, PhD, Department of Pediatrics, Bass Center for Childhood Cancer, Stanford University, Stanford, CA (USA).
- 10:15 - 11:15 **“High-dimensional analysis of liquid and solid biopsies from patients receiving immune checkpoint inhibitors”.** Nicolás Núñez, PhD, University of Zurich, Institute of Experimental Immunology, Zürich (CH).
- 11:15 - 11.45 BREAK
- 11:45 - 12:45 **“Single-Cell characterization of Multiple Myeloma microenvironment: from cancer cell evolution to tumor reactive lymphocytes identification”.** Cirino Botta MD, PhD, Hematology Unit, “Annunziata” hospital of Cosenza, Italy; Hematology Unit, Clinica Universidad de Navarra, Pamplona (SP).
- 12.45 – 13.45 LUNCH
- 13:45 – 15:45 DIMET PhD students (discussion)



Organizers:

- **Giuseppe Gaipa, PhD**, Head of Flow Cytometry Unit, M. Tettamanti Research Center, Dept of Pediatrics, University of Milano Bicocca, Monza (IT)- g.gaipa@asst-monza.it
- **Andrea Biondi, MD**, Coordinator, PhD program in Translational and Molecular Medicine DIMET; Director, Dept of Pediatrics, University of Milano-Bicocca, Fondazione MBBM/Ospedale San Gerardo, Monza (IT)- andrea.biondi@unimib.it

Teachers:

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