SINGLE-CELL DEEP PROFILING
FOR SYSTEMS BIOLOGY

EMPOWER EXPERIMENTAL APPROACHES
INTEGRATING MULTIOMICS AND FLOW CYTOMETRY

ROME JANUARY 30TH
Auditorium Università La Sapienza
via Salaria 113, Rome

Experimental approaches integrating Multiomics and Flow Cytometry, alongside computational challenges, enable Single-cell deep profiling with high resolution insight into cellular heterogeneity. Moreover, single-cell applications in biomedical sciences help to unravel mechanisms related to disease pathogenesis and outcome. We will show key areas where the combined power of multiomics technologies can be leveraged to address specific immunological gaps in our current knowledge and explore new research horizons in cancer and immunological research.

FACULTY

Bob Balderas, *BD Biosciences*
Rita Carsetti, *Children Hospital Bambino Gesù*
Annalisa Chiocchetti, *UPO-CAAD*
Ruggero De Maria, *Catholic University of the Sacred Heart*
Uri Hershberg, *University of Haifa*
Mattia Laffranchi, *University La Sapienza*
Paola Nisticò, *IRCCS Regina Elena National Cancer Institute*
Luigia Pace, *IIGM, IRCCS Candiolo*
Angela Santoni, *University La Sapienza*
Giuseppe Sciumè, *University La Sapienza*
Nicola Tamassia, *University of Verona*

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IRE ISTITUTO NAZIONALE TUMORI REGINA ELENA
ISG ISTITUTO DERMATOLOGICO SAN GALLICANO
ISTITUTI DI RICOVERO E CURA A CARATTERE SCIENTIFICO

PROGRAM

MODERATORS: **Angela Santoni,** *University La Sapienza*
Rita Carsetti, *Children Hospital Bambino Gesù*

09:45-10:15	Welcome Coffee and desk registration
10:15-10:30	Welcome introduction **Prof. Ruggero De Maria,** *Catholic University of the Sacred Heart*
10:30-11:00	Co-stimulatory and inhibitory receptor balance in periphery and in tumor site dictates CD8+ T cell functional states **Paola Nisticò,** *IRCCS Regina Elena National Cancer Institute*
11:00-11:30	Epigenetic and transcriptional Control during CD8+T-cell fate Commitment **Luigia Pace,** *IIGM, IRCCS Candiolo*
11:30-12:00	Regulation of innate lymphoid cells by JAK/STAT signaling in inflammation and cancer **Giuseppe Sciumè,** *University La Sapienza*
12:00-12:15	Specialized pulmonary endothelial cells regulate leukocyte infiltration in lung tumor growth **Mattia Laffranchi,** *University La Sapienza*
12:15-12:45	Single cell analysis of B cell clonality and patterns of mutation: limitations and great potential for discovery **Uri Hershberg,** *University of Haifa*
12:45-13 :15	Q&A
13:15-14:30	Social lunch
14:30-15:00	Single Cell Deep Profiling in Amyotrophic lateral sclerosis **Annalisa Chiocchetti,** *UPO-CAAD*
15:00-15:30	The beginning of the neutrophil journey: identification of the CD66b−CD 64dimCD115− Neutrophil Committed Progenitor cells (NCPs) **Nicola Tamassia,** University of Verona
15:30-16:00	Characterization of functional T-regulatory cells through Multiomics **Bob Balderas,** BD Biosciences
16:00-16:30	Q&A and conclusions.

REGISTRAZIONE ONLINE

Le iscrizioni dovranno essere effettuate online al sito **www.startpromotion.it**

Al sito indicato saranno fornite le istruzioni dettagliate per la compilazione della scheda di iscrizione.

Il Convegno è a numero chiuso e prevede un massimo di n. 100 partecipanti.

Al raggiungimento del numero prefissato non verranno più accettate iscrizioni.

Le iscrizioni dovranno pervenire alla Segreteria Organizzativa entro e non oltre il **23 Gennaio 2023**

SCAN TO REGISTER

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Via Mauro Macchi 50, 20124 Milano | Ph. + 39 02 67071383 | Fax. + 39 02 67072294 | www.startpromotion.it