

The new frontiers of Single-cell Analysis

28th February, 14:00-16:30

Aula Anfiteatro Giubileo 2000,

Policlinico Tor Vergata, Viale Oxford 81, Rome.

As technologies advance in complexity, speed, sensitivity and ease of use, the opportunity to use multiple approaches to answer high-dimensional biological questions is changing and expanding our knowledge of immunology. This seminar will introduce you to new dimensions for Single cell analysis presenting a new to the world technology. The novel BD CellView™ Image Technology expands the power of cell analysis and sorting by combining high-throughput flow cytometry data with spatial and morphological insights.

Combining High-speed Image-enabled cell sorting together with transcriptomic and proteomic profiling through Single-cell RNAseq will push the boundary of the scientific discovery towards new multi-omic horizons in cancer and immunological research, unlocking new and diverse applications for single-cell analysis.

- **Welcome Introduction and Chairman**
Prof. Francesco Buccisano, Department of Biomedicine and Prevention, Policlinico Tor Vergata Foundation
- **The New Dimension of Flow Cytometry and Image-enabled Cell Sorting**
Federica Capolunghi, PhD Product Manager Research BD Biosciences
- **Single-cell Analysis for Multimodal omics**
Stefania Mazza, PhD, Single Cell Solution Architect, BD Biosciences
- **Defining an in-depth biomarker signature of conventional and unconventional T cells using single cell multi-omic approaches in normal healthy human donors**
Robert Balderas, MBA, VP Biological Science, BD Biosciences

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