

## FOCUS ON

The conference proposes a multidisciplinary vision on the use of flow cytometry from a one health perspective applied to host-microbe interaction and the impact of the environment and nutrition on human health and disease.

### SCIENTIFIC COMMITTEE

Claudia Matteucci  
Antonella Minutolo  
Emanuela Balestrieri  
Sandro Grelli  
Guido Rasi

### ORGANIZING COMMITTEE

Claudia Matteucci  
Antonella Minutolo  
Chiara Cipriani  
Vita Petrone  
Marialaura Fanelli  
Martina Giudice

### SPEAKERS

Monica Benvenuto - Rome  
Anna Maria Bevivino - Rome  
Loredana Cifaldi - Rome  
Nicola Cotugno - Rome  
Maria Ilaria Del Principe - Rome  
Marilena La Sorda - Rome  
Iole Macchia - Rome  
Vita Petrone - Rome  
Mario Picozza - Rome  
Marina Potestà - Rome  
Claudia M. Radu - Padua  
Fulvio Riondato - Turin  
Manuela Rosado - Rome  
Marina Ramal Sanchez - Teramo  
Maria Scupoli - Verona  
Paola Vacca - Rome

### PARTICIPATION

ONLINE - no limits

ON site : max 140 seats

#### Aula Fleming

Facoltà Medicina -Via Montpellier 1 - Rome

**FREE registration** - [click here](#)



### 10:00-10:30 REGISTRATION & WELCOME COFFEE

**10:30-10:40 Guido Rasi and Sandro Grelli, University of Rome Tor Vergata**

*Saluti istituzionali, presentazione della Giornata*

**10:40-11:00 Maria Ilaria Del Principe, University of Rome Tor Vergata**

*"ESCCA/ISCCA survey on the use of multicolor flow cytometry in the detection of cerebrospinal fluid involvement in hematological malignancies: How close does real-life adhere to the recommendations?"*

**11:00-11:20 Paola Vacca, Pediatric Hospital Bambino Gesù - Rome**

*"Immunophenotyping in vernal keratoconjunctivitis: Schirmer test for therapy response prediction"*

**11:20-11:40 Iole Macchia, ISS - Rome**

*"Eosinophils Uncovered: Multiparametric Flow Cytometry for Phenotypic Insights Across Disease States"*

**11:40-12:00 Nicola Cotugno, University of Rome Tor Vergata**

*"Tackling vaccine-induced immune responses through high dimensional flow cytometry. Insights from pediatric studies"*

**12:00-12:20 Vita Petrone, University of Rome Tor Vergata**

*"Multiparametric flow cytometry to unravel the role of HERVs in immune dysfunction and inflammation in COVID-19 and Long COVID"*

**12:20-12:40 Mario Picozza, ISS - Rome**

*"Living the flow: the daily grind of cytometric data handling"*

### LUNCH 12:40-14:00

**14:00-14:20 Maria Scupoli, University of Verona**

*"Phospho-specific flow cytometry: at the crossroads between biochemistry and clinical applications at the single cell level"*

**14:20-14:40 Claudia M Radu, University of Padua**

*"Novel nanoscale flow cytometry approaches for the characterization and quantification of Extracellular Vesicles"*

**14:40-14:50 Marilena La Sorda, Gemelli Hospital - Rome**

*"A novel Basophil Activation Test for diagnosis of immediate hypersensitivity reactions to taxane and platinum"*

**14:50-15:10 Manuela Rosado, Regina Elena National Institute for Tumours - Rome**

*"B cell alterations in the context of radiotherapy in prostate cancer patients"*

**15:10-15:30 Monica Benvenuto, University of Rome Tor Vergata**

*"Boosting NK cell antitumor activity: effects of combined IFN- $\gamma$  and TNF- $\alpha$  treatment on breast cancer spheroids"*

### COFFEE BREAK 15.30-15.45

**15.45-16:05 Annamaria Bevivino, ENEA - Rome**

*"The application of Flow Cytometry in food safety, food industry, and clinical settings: a real-time early warning antimicrobial and antibiofilm monitoring system"*

**16:05-16:25 Marina Ramal Sanchez, University of Teramo**

*"Breaking Up barriers: Flow Cytometry to explore tight junctions in epithelial intestinal inflammation"*

**16:25-16:45 Marina Potestà, University of Rome Tor Vergata**

*"Monitoring plant-human cross-Kingdom interaction by flow cytometry"*

**16:45-17:05 Fulvio Riionato, University of Turin**

*"Flow cytometry for pets in a veterinary clinical-diagnostic setting"*

### CONCLUSIONS AND REMARKS