TOR VERGATA
UNIVERSITÀ DEGLI STUDI DI ROMA

MIMIT PhD
Dottorato di Ricerca in Microbiologia, Immunologia, Malattie Infettive e Trapianti

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HERVCOV

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ADVANCES IN FLOW CYTOMETRY II: MULTIDISCIPLINARY APPROACH IN A ONE HEALTH PERSPECTIVE

TOR VERGATA UNIVERSITY - FLEMING HALL
ROME, 12 FEBRUARY 2025

This meeting is possible thanks to an unrestricted grant by

BECKMAN COULTER Life Sciences

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
Martino Miele
Vita Petrone
Marialaura Fanelli
Martina Giudice
Rossella Chirico
University of Rome Tor Vergata

SPEAKERS
Monica Benvenuto - Rome
Annamaria Bevivino - 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

CHAIRMEN: Sandro Grelli - Emanuela Balestrieri - University of Rome Tor Vergata

10:40–11:05 **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?"
11:05–11:30 **Paola Vacca, Pediatric Hospital Bambino Gesù - Rome**
"Immunophenotyping in vernal keratoconjunctivitis: Schirmer test for therapy response prediction"
11:30–11:55 **Iole Macchia, ISS - Rome**
"Eosinophils Uncovered: Multiparametric Flow Cytometry for Phenotypic Insights Across Disease States"
11:55–12:20 **Nicola Cotugno, University of Rome Tor Vergata**
"Tackling vaccine-induced immune responses through high dimensional flow cytometry. Insights from pediatric studies"
12:20–12:35 **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"
12:35-13:00 **Mario Picozza, ISS - Rome**
"Living the flow: the daily grind of cytometric data handling"

LUNCH 13:00-14:00

CHAIRMEN: Claudia Matteucci - Antonella Minutolo - University of Rome Tor Vergata

14:00–14:15 **Maria Scupoli, University of Verona**
"Phospho-specific flow cytometry: at the crossroads between biochemistry and clinical applications at the single cell level"
14:15–14:30 **Claudia M. Radu, University of Padua**
"Novel nanoscale flow cytometry approaches for the characterization and quantification of Extracellular Vesicles"
14:30–14:45 **Marilena La Sorda, Gemelli Hospital - Rome**
"A novel Basophil Activation Test for diagnosis of immediate hypersensitivity reactions to taxane and platinum"
14:45–15:00 **Manuela Rosado, Regina Elena National Institute for Tumours - Rome**
"B cell alterations in the context of radiotherapy in prostate cancer patients"
15:00–15:15 **Monica Benvenuto, University of Rome Tor Vergata**
"Boosting NK cell antitumor activity: effects of combined IFN-γ and TNF-α treatment on breast cancer spheroids"

COFFEE BREAK 15:15-15.30

15.30–15:45 **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"
15:45–16:00 **Marina Ramal Sanchez, University of Teramo**
"Breaking Up barriers: Flow Cytometry to explore tight junctions in epithelial intestinal inflammation"
16:00–16:15 **Marina Potestà, University of Rome Tor Vergata**
"Monitoring plant-human cross-Kingdom interaction by flow cytometry"
16:15–16:30 **Fulvio Riondato, University of Turin**
"Flow cytometry for pets in a veterinary clinical-diagnostic setting"

CONCLUSIONS AND REMARKS