



# 6<sup>th</sup> INTERNATIONAL CONFERENCE ON TRANSLATIONAL IMMUNOLOGY

MAY 22 - 25, 2024 | AUDITORIUM RADAR

PROGRAM

# WEDNESDAY, MAY 22 2024

08:00 - 12:00     **Meeting with Monopoli Highschool**  
Alberto Mantovani (*Tema Oncologia e Società*)  
Rino Rappuoli (*Tema Vaccini-Virus ed Tumori*)

14:00 - 18:00     **Registration**

14:30 - 16:30     **Symposium on biomedical technologies**  
*Sponsored by Beckman*  
**TBD**

16:30 - 17:30     **Opening Ceremony**  
Francesco Colucci  
Domenico Mavilio  
Local Authorities  
Martino Cazzorla (*Dean Polo Liceale Galileo Galilei*)  
Gianpaolo Schiavo (*Dean Conservatorio Nino Rota*)



## **1<sup>ST</sup> MUSICAL PERFORMANCE**

Overture from: "Il barbiere di Siviglia" - Gioachino Rossini  
(transcription for brass)  
Ettore Papadia, Conductor

18:00 - 19:00     **Opening Keynote Lecture**  
**Title**  
Chair: Marco A. Cassatella  
Alberto Mantovani



## **2<sup>ND</sup> MUSICAL PERFORMANCE**

Opening Concert of the Nino Rota Conservatory  
Suite for orchestra "Rotiana" - Nino Rota  
(Orchestration Maestro Vincenzo Anselmi)  
Ettore Papadia, Conductor

19:30 - 21:30     **Welcome Reception in Teatro Radar open terrace**

# THURSDAY, MAY 23 2024

## 9:00 - 12:10 Session 1: **Cancers and immunotherapies**

*Chairs: Paolo Zucali, Angelo Vacca*

9:00 - 9:20 **A distinct human cell type with dual characteristics of DC and ILC3**  
Marco Colonna

9:20 - 9:30 **Oncolytic virotherapy as an “in situ” vaccination strategy for non-small cell lung cancer treatment**  
Federica Riccardo

9:30 - 9:40 **Single-Cell RNAseq and Trajectory Analysis of CD8+Tissue Resident Memory T Cells Reveal TCR-Dependent Antigen Recognition in Multiple Myeloma and Correlate a Dynamics change with Poor Clinical Outcomes**  
Mojtaba Shekarkar Azgomi

9:40 - 10:00 **Immunotherapy for hepatocellular carcinoma: Current status and future perspectives**  
Lorenza Rimassa

## SPONSORED SESSION

*Chairs: TBD, TBD*

10:00 - 10:30 **Title**  
*Sponsored by **Agilent***  
TBD

10:30 - 11:10 *Coffee Break*

11:10 - 11:30 **Impact of gut microbiota in immune-oncology**  
Laurence Zitvogel

11:30 - 11:40 **Toll-like Receptor 2 targeting improves the response to chemotherapy and immunotherapy in breast cancer**  
Laura Conti

11:40- 11:50 **Lipid-Associated Macrophages Are Induced by Cancer-Associated Fibroblasts and Mediate Immune Suppression in Breast Cancer**  
Eleonora Timperi

11:50 - 12:10 **Neuroendocrins Tumor**  
Mauro Cives

12:10 - 15:00 *Lunch (free time)*

**15:00 - 17:55** Session 2:  
**From coronavirus to cancer:  
vaccines and therapeutic strategies**

*Chairs: Rita Carsetti, Vincenzo Barnaba*

15:00 - 15:20 **Vaccination of immunocompromised patients**  
Ursula Wiedermann-Schmidt

15:20 - 15:30 **Modeling Variations in Antibody Response Longevity  
Among Individuals**  
Antonella Prisco

15:30 - 15:50 **Vaccines of the future and the continuous conquest of  
previously impossible targets**  
Rino Rappuoli

## **SPONSORED SESSION**

*Chairs: TBD, TBD*

**15:50 - 16:00** **Title**  
*Sponsored by **Beckman***  
TBD

**16:00 - 16:10** **From cells to tissues: discover our spatial and  
automated solutions**  
*Sponsored by **Bio-techne***  
Marta Dossena

**16:10 - 16:20** **VisionSort - See your cells in a whole new light**  
*Sponsored by **Cytosens***  
Prabhjoat Singh Chana (Thinkcyte)

16:20 - 17:00 *Coffee Break*

17:00 - 17:20 **Lessons learned from the human immune  
response against malaria**  
Hedda Wardemann

- 17:20 - 17:30 **Metabolic pathways engaged by antigen-specific T and B cells after SARS-CoV-2 vaccination in multiple sclerosis patients on different immunomodulatory drugs reveal immunosenescence and predict vaccine efficacy**  
Sara De Biasi
- 17:30 - 17:50 **Novel human vaccines preventing bacterial infections**  
Ennio De Gregorio
- 17:50 - 18:00 **Non-classical HLA-E class I molecule and its potential role in SARS-CoV-2 infection**  
Mahsa Rafieiyan
- 18:30 - 21:00 Poster session

## FRIDAY, MAY 24 2024

- 9:00 - 12:10 Session 3:  
**Tissue immunology**  
*Chairs: Silvia Piconese, Matteo Iannacone*
- 9:00 - 9:20 **Tissue T cells: Lessons from Life in Lockdown**  
Mala Maini
- 9:20 - 9:30 **Understanding the mechanisms of hematologic and immunologic abnormalities by analyzing bone marrow of DADA2 patients**  
Michela Lupia
- 9:30 - 9:40 **Phenotypic and functional analysis of a novel macrophage population expressing a membrane-bound form of IL-18**  
Chiara Vitale
- 9:40 - 10:00 **Immune surveillance of the liver**  
Matteo Iannacone

## SPONSORED SESSION

Chairs: TBD, TBD

**10:00 - 10:30**

### **Title**

*Sponsored by **Becton Dickinson***

Mark Dessing (BD Biosciences – Allschwil, Switzerland)

*10:30 - 11:10*

*Coffee Break*

**11:10 - 11:30**

### **Memory CD8 T Cells: Issues of Quantity, Quality, and Location**

David Masopust

**11:30 - 11:40**

### **Unveiling the role of B-cells in intestinal fibrotic process in Crohn's Disease**

Marek, Wozny

**11:40 - 11:50**

### **A possible role for Stearoyl-CoA Desaturase-1 in B cell development and maturation**

Tiziano Giacomelli

**11:50 - 12:10**

### **Neuroimmune Ecosystems**

Henrique Veiga-Fernandes

*12:10 - 15:00*

*Lunch (free time)*

**15:00 - 17:30**

### Session 4:

### **Microbiome and pathogens**

*Chairs: Chiara Romagnani, Alessio Mazzoni*

**15:00 - 15:20**

### **NK cell adaptive responses to viral infections**

Chiara Romagnani

**15:20 - 15:30**

### **An intestinal Th17 subset is associated with inflammation in Crohn's Disease and activated by adherent-invasive Escherichia coli (AIEC)**

Jens Geginat

|               |                                                                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15:30 - 15:40 | <b>Radiation therapy-dependent oral mucositis: how the oral dysbiosis may predispose to opportunistic fungal infections and oral mucositis</b><br>Teresa Zelante |
| 15:40 - 16:00 | <b>Harnessing NK strategies to reduce persistent HIV after antiretroviral therapy</b><br>Luis Montaner                                                           |
| 16:00 - 16:40 | <i>Coffee Break</i>                                                                                                                                              |
| 16:40 - 17:00 | <b>Hijacking stromal cell function to modify antiviral immunity</b><br>Mariapia Degli Espositi                                                                   |
| 17:00 - 17:10 | <b>Oral microbiota signatures associated with viremia and CD4 recovery in treatment-naïve HIV-1-infected patients</b><br>Giulia Nannini                          |
| 17:10 - 17:30 | <b>Antibody-based antiviral Immunotherapy</b><br>Christian Gaebler                                                                                               |
| 17:30 - 19:30 | <b>SIICA Annual Assembly</b>                                                                                                                                     |
| 21:00         | <b>Social Dinner at Piazza Palmieri</b>                                                                                                                          |

## **SATURDAY, MAY 25 2024**

|                     |                                                                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>9:00 - 11:40</b> | <u>Session 5:</u><br><b>Autoimmunity and allergies</b><br><i>Chairs: Francesco Annunziato, Francesco Liotta</i>                                         |
| 9:00 - 9:20         | <b>Obesity and Autoimmunity Epidemic: The Role of Immunometabolism in the Control of Immune Tolerance</b><br>Giuseppe Matarese                          |
| 9:20 - 9:30         | <b>Unraveling mechanisms underlying IL-10 induced regulatory activity in human dendritic cells: implications for immune modulation</b><br>Michela Vuono |
| 9:30 - 9:50         | <b>Immunological memory – a roadblock to regeneration of tolerance in autoimmune diseases</b><br>Andreas Radbruch                                       |

## SPONSORED SESSION

Chairs: TBD, TBD

- |               |                                                                                                                                                              |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9:50 - 10:00  | <b>Stress-free generation and long-term culture of functional spheroids/ organoids: Clinostar technology</b><br><i>Sponsored by Cytosens</i><br>Simone Miada |
| 10:00 - 10:10 | <b>A complete workflow for target identification and deep-characterization of the tumor immunity</b><br><i>Sponsored by Miltenyi</i><br>Adriano Taddeo       |
| 10:10 - 10:20 | <b>Title</b><br><i>Sponsored by TBD</i><br>TBD                                                                                                               |
| 10:20 - 11:00 | <i>Coffee Break</i>                                                                                                                                          |
| 11:00 - 11:20 | <b>Autoantibodies in Thymoma patients showing co-morbidity autoimmune diseases</b><br>Anna Villa                                                             |
| 11:20 - 11:30 | <b>Characterization of Regulatory T cell subsets in Common Variable Immunodeficiency (CVID) subjects</b><br>Antonietta Liotti                                |
| 11:30 - 11:50 | <b>Immunity's Double-Edged Sword: Exploring the Intricate Connection Between Autoimmunity and Primary immunodeficiency</b><br>Antonio Solimando              |
| 11:50 - 12:00 | <b>Characterising lupus multi-directional immune dysfunction through antigen-specific T-cell dynamics</b><br>Giuseppe A. Ramirez                             |
| 12:00 - 13:00 | <b>Closing Keynote Lecture</b><br><b>Innate Lymphoid Cells and Cancer - What is the Connection?</b><br><i>Chair: Massimo Locati</i><br>Michael Caligiuri     |
| 13:00 - 13:15 | <b>SIICA 2024 Awards</b>                                                                                                                                     |
| 13:15 - 13:30 | <b>Closing remarks</b>                                                                                                                                       |

# FACULTY

## MEETING CHAIRS AND LOCAL HOSTS

Francesco Colucci, Domenico Mavilio

## SPEAKERS

**Francesco Annunziato**

Università degli Studi di Firenze, Florence, Italy

**Vincenzo Barnaba**

Università La Sapienza, Rome, Italy

**Michael Caligiuri**

City of Hope, Duarte, CA, USA

**Rita Carsetti**

Bambino Gesù Children Hospital, Rome, Italy

**Marco A. Cassatella**

Università di Verona, Verona, Italy

**Mauro Cives**

Università degli Studi di Bari, Bari, Italy

**Marco Colonna**

Washington University, St. Luis, MO, USA

**Francesco Colucci**

Clinical School University of Cambridge and King's College, Cambridge, UK

**Ennio De Gregorio**

GSK Vaccine, Siena, Italy

**Mariapia Degli-Esposti**

Monash University, Clayton, Australia

**Christian Gaebler**

Charité, Germany

**Matteo Iannacone**

San Raffaele Hospital, Milan, Italy

**Francesco Indiveri**

Università di Genova, Genoa, Italy

**Francesco Liotta**

Università degli Studi di Firenze, Florence, Italy

**Massimo Locati**

Università degli Studi di Milano, Milan, Italy

**Mala Maini**

University College, London, U.K.

**Alberto Mantovani**

Humanitas University, Milan, Italy

**David Masopust**

University of Minneapolis, MN, USA

**Giuseppe Matarese**

Università di Napoli, Naples, Italy

**Domenico Mavilio**

Humanitas Research Hospital and Università degli Studi di Milano, Milan, Italy

**Alessio Mazzoni**

Università degli Studi di Firenze, Florence, Italy

**Luis J. Montaner**

The Wistar Institute, Philadelphia, USA

**Silvia Piconese**

Università La Sapienza, Rome, Italy

**Andreas Radbruch**

DRFZ, Berlin, Germany

**Rino Rappuoli**

Università di Siena, Siena, Italy

**Lorenza Rimassa**

Humanitas University, Milan, Italy

**Chiara Romagnani**

Charité Universitätsmedizin Berlin, Germany

**Antonio Solimando**

Università degli Studi di Bari, Bari, Italy

**Angelo Vacca**

Università degli Studi di Bari, Bari, Italy

**Henrique Veiga-Fernandes**

Fundação Champalimaud, Lisbon, Portugal

**Anna Villa**

San Raffaele Hospital, Milan, Italy

**Hedda Wardemann**

Heidelberg, Germany

**Ursula Wiedermann-Schmidt**

University of Wien, Austria

**Laurence Zitvogel**

Gustave Roussy, Paris, France

**Paolo Zucali**

Humanitas University, Milan, Italy

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