

# THE INTERNATIONAL RETREAT OF PHD STUDENTS IN IMMUNOLOGY

When: SEPTEMBER 15th-17th 2022,

Where: University of L'Aquila

"Ernesto Pontieri" Building

Viale Nizza 14 -67100-

L'Aquila, Italy

## Scientific Sessions:

Innate Immunity - Adaptive Immunity

Immune mediated-disease/Immunotherapy

## Keynote lectures from:

FRANCESCO DANIELA SILVIA MASSIMO DOMENICO  
COLUCCI BOSISIO PICONESI LOCATI MAVILIO

## Special guest:

EUROPEAN JOURNAL OF IMMUNOLOGY (EJI)  
WITH LECTURE BY  
N. BAKOCEVIC (EJI EDITOR) AND M. IANNAONE

# Meeting Venue

University of L'Aquila  
"Ernesto Pontieri" Building  
Viale Nizza, 14  
67100 L'Aquila, Italy



## Position & Contacts

How to reach us:

L'Aquila is within easy reach of Rome by bus.

The buses "Autolinee TUA" and "Flixbus" leaves from Tiburtina Station:

- Trains to Tiburtina Station depart every 20 minutes (from 6.15 a.m to 12.15 p.m.) from "Leonardo da Vinci" Airport (Fiumicino). The journey takes about 40 minutes.
- Buses depart from "Ciampino" Airport every 15-20 minutes for the the Anagnina underground station, where you can take an underground

train ("metropolitana") to Termini station. When you reach Termini station, you will have to change from the A to the B line for Tiburtina. The journey takes about an hour.

- You can purchase a bus ticket for L'Aquila online or from the ticket offices near the Tiburtina bus station. The journey takes 1 hour and 40 minutes and the bus terminates at **Collemaggio terminal**.

or

The bus "**Gaspari**" leaves directly from "**Leonardo da Vinci**" Airport (Fiumicino) and **Ciampino Airport** and terminates at **Amiternum Hotel**.

## General information

### Registration

The registration fee is 100€ and it includes:

- ▣ Access to the scientific sessions;
- ▣ Meeting kit including name badge, abstract book and certificate of attendance;
- ▣ 3 coffee breaks + 1 lunch + 2 social dinners.

### Internet

Wifi is available at the Meeting venue.

### Social dinners

The social dinners are scheduled on 15 September at the "Ernesto Pontieri" Building rooftop and on 16 September at "Villa Giulia" restaurant (via Giovanni Di Vincenzo 30, L'Aquila).

### Language

English is the official language of the Meeting and no simultaneous translation is foreseen.

**INTERNATIONAL RETREAT  
OF PHD STUDENTS IN IMMUNOLOGY**  
*September 15-17, 2022*  
*University of L'Aquila, L'Aquila, Italy*

**PROGRAM**

**SEPTEMBER 15**

**13.30-16.30 REGISTRATION**

*"Ernesto Pontieri" Building, "Alessandro Clementi" Room*

**16.45 WELCOME AND OPENING REMARKS**

*"Luigi Zordan" Congress Center, "San Basilio" Room*

**17.00-17.50 KEYNOTE LECTURE**

Chairpersons: Marco Antonio Cassatella, Francesco

Liotta

**Prof. Francesco Colucci**

University of Cambridge School of Clinical Medicine, NIHR Cambridge Biomedical Research Center, Addenbrooke's Hospital, Cambridge (UK)

*"More than an army: the physiology of tissue lymphocytes"*

**18.00-18.30 INDUSTRY ROUND TABLE**

**Dr. Andrea Aramini**

Dompè Farmaceutici S.p.A. (L'Aquila, Italy)

**20.00 DINNER (on-site)**

*"Ernesto Pontieri" Building rooftop*

## **SEPTEMBER 16**

*"Ernesto Pontieri" Building, "Alessandro Clementi" Room*

### **8.45-10.25 INNATE IMMUNITY (I)**

Chairpersons: Massimo Locati, Irene

Mattiola

### **8.45-9.25 LECTURE**

**Prof. Daniela Bosisio**

Department of Molecular and Translational Medicine, University of Brescia (Italy).

*"Mechanisms of dendritic cell activation in health and disease"*

### **9.25-10.25 ORAL PRESENTATIONS**

9.25-9.40: "Interleukin-1 receptor type 2 (IL-1R2)-deficiency is associated with resistance against murine fibrosarcoma" - *ANDREA MARIANCINI, Humanitas University, Pieve Emanuele (Italy).*

9.40-9.55: "Extracellular miRNAs deregulated in rheumatoid arthritis activate human dendritic cells via TLR8 triggering" - *CAROLINA GAUDENZI, University of Brescia (Italy).*

9.55-10.10: "CD300e as a novel biomarker in obesity: crosstalk between immune system and adipose tissue" - *MICHELA SIGNO, University of Padua (Italy).*

10.10-10.25: "ILC1-like cells expansion is driven by CXCR3-dependent macrophage accumulation in colorectal cancer liver metastasis" - *ELEONORA RUSSO, Sapienza University of Rome (Italy).*

### **10.25-10.50 COFFEE BREAK**

### **10.50-11.50 INNATE IMMUNITY (II)**

Chairpersons: Daniela Bosisio, Mattia Laffranchi

### **10.50-11.50 ORAL PRESENTATIONS**

10.50-11.05: "Checkpoint Mechanisms Underlying ILC2 Activity in Mice" - *GIUSEPPE PIETROPAOLO, Sapienza University of Rome (Italy).*

11.05-11.20: "CD300e as a novel player in colorectal cancer: focus on tumor-associated macrophages" - *ANNICA BARIZZA, University of Padua (Italy).*

11.20-11.35: "Single cell RNA sequencing of immunoosuppressive neutrophils from G-CSF treated donors" - *CHIARA LATTANZI, University of Verona (Italy).*

11.35-11.50: "ANGPTL3 deficiency-induced hypolipidemia triggers spontaneous IFN response" - *ALESSANDRA PINZON GRIMALDOS, Sapienza University of Rome (Italy).*

### **12.00-14.00 LUNCH & POSTER PRESENTATIONS (SIICA JF-guided session)**

## 14.00-15.45 ADAPTIVE IMMUNITY (I)

Chairpersons: Eleonora Timperi, Manolo Sambucci

### 14.00-14.45 LECTURE

**Prof. Silvia Piconese**

Department of Internal Clinical, Anesthesiological and Cardiovascular Sciences, Sapienza University of Rome (Italy).

*"Keep calm and tolerate: immune tolerance explained by Tregs"*

### 14.45-15.45 ORAL PRESENTATIONS

14.45-15.00: "Chemotherapy reshapes the immune landscape of colorectal cancer metastases in the liver" - **CRISTINA FACCANI**, *University of Milan Bicocca (Italy)*.

15.00-15.15: "PD-1 defines subsets of CD4+ and CD8+ T cells driving chronic inflammation in juvenile idiopathic arthritis" - **ANNA VANNI**, *University of Florence (Italy)*.

15.15-15.30: "The role of paclitaxel in chemotherapy-induced hypersensitivity reactions: C5aR1 as a novel therapeutic target" - **FRANCESCO D'EGIDIO**, *University of L'Aquila (Italy)*.

15.30-15.45: "Hyaluronan as a natural immunological adjuvant for the development of a novel subunit vaccine against SARS-CoV-2" - **BEATRICE GENOVA**, *University of Padua (Italy)*.

### 15.45-16.15 COFFEE BREAK

## 16.15-17.15 ADAPTIVE IMMUNITY (II)

Chairpersons: Silvia Piconese, Eleonora Timperi

### 16.15-17.15 ORAL PRESENTATIONS

16.15-16.30: "Age-related transcriptional and epigenetic changes in CD8+ T cells" - **LEHTE TÜRK**, *University of Tartu (Estonia)*.

16.30-16.45: "Clinical and immunological features of SARS-CoV-2 breakthrough infections in vaccinated individuals requiring hospitalization" - **GIULIA LAMACCHIA**, *University of Florence (Italy)*.

16.45-17.00: "The tryptophan metabolism and related pathways in fungal pneumonia" - **IORELLA D'ONOFRIO**, *University of Perugia (Italy)*.

17.00-17.15: "When in vitro does not match with in vivo: lessons from Musclin gene in Experimental Autoimmune Encephalomyelitis and DSS colitis" - **ALBERTO CARNASCIALI**, *University of Florence (Italy)*.

## 17.20-19.00 Meet the SIICA JUNIOR FACULTY

**VIRTUAL LECTURE** (organized by Career Development working group)

**Dr. Nadja Bakocevic**

(Deputy Managing Editor/Journal Publishing Manager, EJI) & **Prof. Matteo Iannacone** (Executive Committee member, EJI).

19:30 Transfer

## 20.00 SOCIAL DINNER

*"Villa Giulia" restaurant, Via Giovanni Di Vincenzo 30, L'Aquila*

**21.00 "A long trip with Immunology":** an interview with **Prof. Angela Santoni** (Department of Molecular Medicine, Sapienza University of Rome, Italy).

Special guests: **Prof. Edoardo Alesse** (Rector of the University of L'Aquila) and **Prof. Maria Grazia Cifone** (University of L'Aquila, Italy).

## SEPTEMBER 17

*"Ernesto Pontieri" Building, "Alessandro Clementi" Room*

### 8.45-10.25 IMMUNE-MEDIATED DISEASES/IMMUNOTHERAPY (I)

Chairpersons: Federica Laudisi, Maria Rosaria Galdiero

#### 8.45-9.25 LECTURE

**Prof. Domenico Mavilio**

Laboratory of Clinical and Experimental Immunology, IRCCS Humanitas Research Hospital, Rozzano (Italy).

*"Licensing Innate Immunity: a new frontier to discover"*

#### 9.25-10.25 ORAL PRESENTATIONS

9.25-9.40: "A 3D alginate-based NB model as tool for testing NK cell-based immunotherapies" - **CHIARA VITALE, University of Genoa (Italy)**.

9.40-9.55: "Role of myeloid cell interactions at central nervous system borders in experimental autoimmune encephalomyelitis" - **GABRIELE ANGELINI, University of Verona (Italy)**.

9.55-10.10: "SCF and IL-33 regulate mouse mast cell pro-inflammatory functions during tumor progression" - **ERISA PUTRO, Sapienza University of Rome (Italy)**.

10.10-10.25: "CARPE D1EM - CAR-T cells anti-hPSMA endowed with dominant negative truncated high-affinity PD-1 molecule: a new immunotherapy" - **ALESSANDRO PENNA, University of Padua (Italy)**.

#### 10.25-10.50 COFFEE BREAK

### 10.50-11.50 IMMUNE-MEDIATED DISEASES/IMMUNOTHERAPY (II)

Chairpersons: Domenico Mavilio, Maria Rosaria Galdiero

#### 10.50-11.50 ORAL PRESENTATIONS

10.50-11.05: "PD-1 immune checkpoint as a key modulator of mitochondrial dynamics in T cells" - **YLENIA ANTONUCCI, University of Rome Tor Vergata (Italy)**.

11.05-11.20: "Type I interferons and their autoantibodies in the context of Systemic Lupus Erythematosus" - **LIIS HALJASMÄGI, University of Tartu (Estonia)**.

11.20-11.35: "Inhibition of ERAP1 reprogramms the tumor immune microenvironment to overcome immune evasion in high-risk neuroblastoma" - **PATRIZIA TEMPORA, Bambin Gesù Children's Hospital IRCCS, Rome (Italy)**.

11.35-11.50: "Development of a human bispecific antibody against CCR5 and CCR2 targeting HIV-1 replication and chronic inflammation" - *IOLE FARINA, University of Rome Tor Vergata (Italy)*.

11.50-12.20 LECTURE

Chairpersons: Alessio Grimaldi, Irene Mattiola

**Prof. Massimo Locati**

Department of Medical Biotechnology and Translational Medicine, University of Milan (Italy).

*"Getting the best from the worst"*

12:20-12.40 "BEST PRESENTATION" & "BEST POSTER" AWARDS

12.40 CLOSING REMARKS

## ORGANIZING COMMITTEE

Marco Antonio Cassatella (University of Verona, Italy)  
Daniela Bosisio (University of Brescia, Italy)  
Silvia Piconese (Sapienza University of Rome, Italy)  
Roberta Castriconi (University of Genoa, Italy)  
Federica Laudisi (University of Rome Tor Vergata, Italy)  
Alessio Mazzoni (University of Florence, Italy)  
Francesco Liotta (University of Florence, Italy)  
Maria Grazia Cifone (University of L'Aquila, Italy)  
Francesca Zazzeroni (University of L'Aquila, Italy)

## SIICA Junior Faculty

Gaia Codolo (University of Padua, Italy)  
Maria Rosaria Galdiero (University of Naples, Italy)  
Alessio Grimaldi (Sapienza University of Rome, Italy)  
Anna Kabanova (Toscana Life Sciences Foundation, Siena, Italy)  
Mattia Laffranchi (Sapienza University of Rome, Italy)  
Irene Mattiola (Charité – Universitätsmedizin Berlin, Germany)  
Manolo Sambucci (Santa Lucia Foundation IRCCS, Rome, Italy)  
Eleonora Timperi (Institut Curie, Paris, France)  
Silvia Tonon (University of Udine, Italy)