

From Basic Immunology to Next Generation Therapies



Società Italiana di Immunologia
Immunologia Clinica e Allergologia

BRESCIA

June 16-19, 2026

**SIICA XVI
National Congress**



**Università
di Brescia**



European Federation of
Immunological Societies

PROGRAMME

COMMITTEES

SIICA EXECUTIVE BOARD and SCIENTIFIC COMMITTEE	SIICA JUNIOR FACULTY	LOCAL ORGANIZING COMMITTEE
President Massimo Locati Vice President Francesco Annunziato Treasurer – Secretariat Daniela Bosisio Counselors Andrea Cossarizza Maria Rosaria Galdiero Alessio Grimaldi Matteo Iannaccone Renato Ostuni Silvia Piconese Eleonora Timperi	Valeria Fumagalli Marco Gargaro Carolina Gaudenzi Alessio Grimaldi Mattia Laffranchi Giulia Lamacchia Irene Mattiola Giuseppe Pietropaolo Eleonora Timperi Silvia Tonon	Daniela Bosisio Annalisa Del Prete Carolina Gaudenzi Laura Tiberio Valentina Salvi Tiziana Schioppa



CONGRESS VENUE

FACOLTÀ DI MEDICINA DELL'UNIVERSITÀ DEGLI STUDI DI BRESCIA

Ingresso da via Brianze 39



From the Train Station:

From Brescia FS railway station, take the metro directly from the station stop (Stazione FS). Ride the metro in the direction of Prealpino and get off at “Europa” station, which is the stop closest to the Faculty of Medicine and Surgery. The Faculty is just a short walk from the Europa station.

Nearby Parking Options:

Parking Use Guidelines for Conference and Seminar Participants



Participants attending conferences, seminars, or events organized by the University of Brescia at the Engineering or Medicine buildings may use the parking areas located south of Via Branze with the discounted rate reserved for “UNIBS EVENT PARTICIPANTS.”

To benefit from the reduced rate, users must:

1. Take a ticket at the parking entrance.
2. Validate the ticket at any time before payment using one of the validation devices located at the building receptions (open Mon–Fri, 8:00–18:00):
 - E09 – Engineering (Via Branze 38)
 - E14 – Medicine and Surgery (Viale Europa 11)
 - E15 – Medicine – Multifunctional Building (Viale Europa 11)
3. Before returning to the car, go to the automatic pay station (at the P2 entrance), insert the validated ticket, and pay the discounted amount.
4. Drive to the exit gate and insert the validated and paid ticket to leave.

Discounted Rates – Parking P1–P2–P3 (UNIBS Event Participants)

Monday–Sunday, 0–24

Hourly rate (up to 5 hours): €1.00

Daily maximum: €5.00

Important: Tickets not validated will be charged at the standard rates:

1st–3rd hour: €1.70/hour

4th hour: €1.40

5th–6th hour: €1.30/hour

Over 6 hours up to 24 hours (daily maximum): €9.10

Taxi



Radio Taxi (Brescia): +39 030 35111

Taxi fare from Bergamo Orio al Serio Airport (BGY) to Brescia:
Approx. €48 for a standard taxi ride.



GENERAL INFO

REGISTRATION DESK

The Organizing Secretariat desk will be open according to the following schedule:

Tuesday, June 16 13:00-18.00

Wednesday, June 17 07:30-17:00

Thursday, June 18 07:30-18.30

Friday, June 19 08.00-14:30

SIICA SECRETARIAT

The SIICA Secretariat desk is located close to the Registration Desk.

BADGE

Each participant will receive a name badge upon check-in at the registration desk. The badge is the official Congress pass and must be worn at all times.

CERTIFICATE OF ATTENDANCE

The certificate of attendance will be sent, by e-mail, to the participants after the Congress.

COFFEE BREAK - EXHIBITION AREA

Coffee breaks in the Exhibition Area are available to all regularly registered participants at the times indicated in the program.

WATER REFILL STATION

A water dispenser will be available; participants are kindly encouraged to bring their own reusable bottles to take advantage of this service

LUNCH

Participants who have pre-purchased box lunches for June 17 and/or 18 may collect them at the F&B point located just outside the Aula Magna, upon presentation of the coupon that will be provided at registration together with the badge. Please note that it will not be possible to purchase box lunches on site without prior booking.

REGISTRATION FEES ON SITE (are in Euro - VAT 22% included)

€ 190,00 for each day.

Registration is mandatory for participation in the scientific sessions and for oral or poster presenters.

Congress registration fee includes:

- Access to all scientific sessions
- Access to the exhibition area
- Coffee break - Exhibition areas
- Welcome cocktail
- Congress kit and name badge
- Certificate of attendance
- Abstracts (digital)

LANGUAGE

English is the official language of the Congress. No simultaneous translation is foreseen during the scientific sessions.

SOCIAL EVENTS

Opening Ceremony and Welcome Cocktail

The Opening Ceremony is scheduled on Tuesday, **June 16, at 18:00** at the Coongress Venue.

Participation is included in the Congress registration fee.

The welcome cocktail will be at the end of the ceremony in the same location.

Social Dinner

The Social Dinner is scheduled on **Thursday, June 18**, at 20:30 at the “**Vita Privé**” Restaurant, located in Piazzale Arnaldo, 21, 25121 Brescia BS

The cost is not included in the registration fee, and tickets must be purchased in advance.

Pre-booked tickets are included in the personal registration kit. The dress code for this evening is business informal.

SCIENTIFIC INFORMATION

POSTER SESSIONS

Posters are displayed in the Poster Area located in the congress area, on the underground floor.

The Author is kindly requested to stand close to the poster during the Poster Sessions for possible questions from participants.

ABSTRACT BOOK

The abstracts accepted as Oral Presentations and Posters are published on the congress website only (www.siica.it).

SIICA GENERAL ASSEMBLY

SIICA General Assembly is scheduled on Thursday June 18, at 17.20 in the Plenary Room. Only SIICA Members with regular membership payments can participate in the General Assembly.

Please check your membership payment and pick up the coupon to enter in the Assembly at the SIICA Secretariat desk.

CONTACTS

SIICA SECRETARIAT	ORGANIZING SECRETARIAT
	
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Sponsor&Exhibitor: sponsorsiica@oic.it

Faculty and Scientific Program: facultysiica@oic.it

Registrations and Hotel booking: registrationsiica@oic.it

TIMETABLE

TUESDAY, JUNE 16, 2026

AULA MAGNA

13:00-18:00	Registration of participants
14:00-16:00	Symposium 1 Bridging tumor immunology and precision immunotherapy
16:00-17:00	JF Symposium - Rising stars in immunology
17:00-17:50	EFIS Lecture - Keynote 1
17:50-18:00	"Visit the booth" spots
18:00-19:00	Opening Ceremony
19:00-20:00	Welcome Cocktail

WEDNESDAY, JUNE 17, 2026

AULA MAGNA

AULA A

AULA B

08:00-09:00	SIICA Commissions/ Groups of Interest	
09:00-11:00	Symposium 2 Innovative therapies for rare diseases and VHL-dependent tumors (SITGEC - SIICA)	
11:00-11:30	Coffee break	
11:30-12:30	WS1 - IMMUNOMEDIATED DISEASES	WS2 - INNATE IMMUNE CELLS IN HEALTH & DISEASE
12:30-13:30	Poster Session 1	
13:30-14:30	Lunch	
14:30-15:30	Meet-the-editors session	
15:30-16:00	Industry Symposium Beckman Coulter	
16:00-16:45	Keynote Lecture 2	

TIMETABLE

THURSDAY, JUNE 18, 2026

	AULA MAGNA	AULA A	AULA B
08:00-09:00	SIICA Commissions/ Groups of Interest		
09:00-11:00	Symposium 3 Decoding and reprogramming the adaptive immune response		
11:00-11:30	Coffee break		
11:30-12:30	WS 3 - TUMOR IMMUNOLOGY	WS 4 - HOST-PATHOGEN INTERACTION	WS 5 - MOLECULAR IMMUNOLOGY
12:30-13:30	Poster Session 2		
13:30-14:30	Lunch		
14:30-15:30	WS 6 - TUMOR IMMUNOTHERAPY	WS 7 - MUCOSAL IMMUNOLOGY AND THE MICROBIOTA	WS 8 - REGULATORY CELLS
15:30-16:00	Coffee break		
16:00-16:30	Industry Symposium BD Biosciencies		
16:30-17:15	Keynote Lecture 3		
17:20-18:20	SIICA General Assembly		

FRIDAY, JUNE 19, 2026

	AULA MAGNA
08:30-10:30	Symposium 4 Metabolic circuits of inflammation and immunity
10:30-11:00	Coffee break
11:00-13:00	Symposium 5 Innate immune cell functions in health and disease
13:00-13:45	Keynote Lecture 4
13:45-14:15	Closing Ceremony and Awards

TUESDAY, JUNE 16, 2026

AULA MAGNA

13:00 Registration of participants
18:00

14:00 **SYMPOSIUM 1 – BRIDGING TUMOR IMMUNOLOGY AND PRECISION**
16:00 **IMMUNOTHERAPY**

Chairs: **Silvia Piconese** (*Sapienza University of Rome, Rome*),
Eleonora Timperi (*Università Cattolica del Sacro Cuore, Roma*)

14:00 Understanding the evolution of the cDC1 compartment during progression of non-small cell lung cancer
Federica Benvenuti (*ICGEB, Trieste*)

14:25 CCRL2 as a non-canonical regulator of tumor progression
Silvano Sozzani (*Sapienza University of Rome, Rome*)

14:50 Miltenyi – Sensitive detection and isolation of HCMV-specific T cells in the context of stem cell transplantation using MHC multimers
Adriano Taddeo (*Bologna*)

15:00 AHSI – Spectral Flow Cytometry makes me scary, looks too complicated to learn... Discover how the NovoCyte Opteon adapts to me and my research rather than pushing me changing my habits.
Emeric Durey (*France*)

15:10 Deciphering how tumor ecosystem cues orchestrate regulatory T cell identity and function
Massimiliano Pagani (*University of Milan, Milan*)

15:35 Next-generation CAR-NK cell immunotherapy
Evelyn Ullrich (*Goethe University, Frankfurt am Main – D*)



TUESDAY, JUNE 16, 2026

AULA MAGNA

16:00 JF SYMPOSIUM – RISING STARS IN IMMUNOLOGY

17:00

Chairs: **Eleonora Timperi** (*Università Cattolica del Sacro Cuore, Roma*),
Alessio Grimaldi (*Sapienza University of Rome, Rome*)

16:00 News and views from the SIICA Junior Faculty

16:12 Divergent tissue adaptation of DC2 and DC3 shapes antigen presentation in lung tumors

Anna Celant (*University of Milano-Bicocca, Milan*), **Giuseppe Rocca**¹, **Giulia Protti**¹, **Alessia Donato**¹, **Maria Chelazzi**¹, **Marco Galli**¹, **Stefano Cozzi**¹, **Giulia Stucchi**¹, **Carla Scalia**², **Francesca Bono**², **Luca Nespoli**², **Laura Marongiu**¹, **Metello Enzo Innocenti**¹, **Francesca Granucci**¹ (¹Milan, ²Monza)

16:24 Intestinal epithelial Smad7 drives purine metabolic dysregulation and ileal inflammation

Lorenzo Tomassini (*University of Rome Tor Vergata, Rome*), **Federica Laudisi**¹, **Mattia Alberto Serra**¹, **Massimo Claudio Fantini**², **Gustavo Monasterio**³, **Ning He**³, **Eduardo Maria Sommella**⁴, **Angela Ortenzi**¹, **Giuseppe Sigismondo Sica**¹, **Francesca Zorzi**¹, **Teresa Pacifico**¹, **Ombretta Melaiu**¹, **Cristiano De Stefanis**¹, **Valentina D'Oria**¹, **Carmine Stolfi**¹, **Ivan Monteleone**¹, **Eduardo Villablanca**³, **Giovanni Monteleone**¹ (¹Rome, ²Cagliari, ³Stockholm, ⁴Salerno)

16:36 A chimeric Human/Dog CSPG4 DNA vaccine for overcoming chemoresistance and improving osteosarcoma treatment

Lidia Tarone (*University of Turin, Turin*), **Lidia Tarone**, **Davide Giacobino**, **Flavia D'Achille**, **Lorella Maniscalco**, **Emanuela Morello**, **Paolo Buracco**, **Federica Cavallo**, **Federica Riccardo** (*Turin*)

16:48 Interleukin-1 Receptor 8 acts as an immune checkpoint in NK cells and CD8+ T cells, limiting cytokine-induced anti-tumor immune responses

Roberto Garuti (*IRCCS Humanitas Research Hospital, Milan*), **Domenico Supino**¹, **Joanna Mikulak**¹, **Sara Terzoli**^{1,2}, **Roberta Carriero**¹, **Francesco Scavello**¹, **Silvia Carnevale**¹, **Elena Magrini**¹, **Sarah Mapelli**¹, **Jelena Zeleznjak**^{1,3}, **Matteo Donadon**⁴, **Guido Costa**¹, **Guido Torzilli**^{1,2}, **Eduardo Bonavita**^{1,2}, **Monica Casucci**¹, **Enrico Lugli**¹, **Sebastien Jaillon**^{1,2}, **Domenico Mavilio**^{1,2}, **Alberto Mantovani**^{1,2,5}, **Cecilia Garlanda**^{1,2} (¹Milan, ²Pieve Emanuele, ³Rijeja, ⁴Novara, ⁵London)

17:00 EFIS LECTURE – KEYNOTE 1

17:50

Chairs: **Massimo Locati** (*University of Milan, Milan*),
Francesco Annunziato (*University of Florence, Florence*)

17:00 TSCM cells: from discovery to next-gen CAR-T
Luca Gattinoni (*Leibniz Institute for Immunotherapy, Regensburg – D*)

TUESDAY, JUNE 16, 2026

TUESDAY, JUNE 16, 2026

17:50 "VISIT THE BOOTH" SPOTS
18:00

18:00 OPENING CEREMONY
19:00

19:00 WELCOME COCKTAIL
20:00



WEDNESDAY, JUNE 17, 2026

AULA MAGNA

08:00 **SIICA COMMISSIONS / GROUPS OF INTEREST**
09:00

09:00 **SYMPOSIUM 2 – INNOVATIVE THERAPIES FOR RARE DISEASES**
11:00 **AND VHL-DEPENDENT TUMORS (SITGEC - SIICA)**

Chairs: **Francesco Annunziato** (*University of Florence, Florence*),
Valeria Fumagalli (*IRCCS San Raffaele Scientific Institute, Milan*)

09:00 Hereditary angioedema: pathophysiology and laboratory diagnosis
Stefania Loffredo (*University of Naples Federico II, Naples*)

09:24 Gene therapy for inborn errors of immunity
Anna Villa (*San Raffaele Telethon Institute for Gene Therapy (SR-TIGET), Milan*)

09:48 Hereditary angioedema: challenges in diagnosis and treatments
Paola Triggianese (*University of Rome, Rome*)

10:12 Understanding Von Hippel–Lindau Disease from Mechanisms to Management,
with a Focus on HIF-2 α Inhibition therapy
Alfonso Massimiliano Ferrara (*Veneto Institute of Oncology IOV – IRCCS, Padua*)

10:36 Molecular control of inflammatory responses
Renato Ostuni (*IRCCS San Raffaele Scientific Institute, Milan*)

11:00 *Coffee break*
11:30

WEDNESDAY, JUNE 17, 2026

AULA MAGNA

11:30 12:30 WORKSHOP 1 – IMMUNOMEDIATED DISEASES

Chairs: **Maria Rosaria Galdiero** (*University of Naples, Naples*),
Giulia Lamacchia (*University of Florence, Florence*)

- 11:30 Chronic psoriasiform inflammation drives the expansion of CD8⁺ T cells recognizing subdominant and cryptic epitopes of cutaneous self-antigens
Alisia Camporeale (*University of Ferrara, Ferrara*), **Laura Marongiu**²,
Chiara Terranova¹, **Enrico Tassani**¹, **Francesca Colnaghi**², **Hasan Ayaz**²,
Alex Spitilli¹, **Fabio Casciano**¹, **Paola Secchiero**¹, **Riccardo Gavioli**¹,
Francesco Nicoli¹, **Francesca Granucci**², **Eva Reali**¹ (*¹Ferrara ²Milan*)
- 11:42 The HNF4α-IMP3-IL23R axis drives gut inflammation and anti-TNF resistance in inflammatory bowel disease
Andrea Iannucci (*University of Tor Vergata, Rome*), **Marco Colella**,
Rachele Frascatani, **Mattia Alberto Serra**, **Irene Marafini**,
Giuseppe Sigismondo Sica, **Giovanni Monteleone**, **Ivan Monteleone** (*Rome*)
- 11:54 Identifying mTOR activation as a druggable pathway in Lymphocytic Variant Hypereosinophilic Syndrome (L-HES)
Alessio Mazzoni (*University of Florence, Florence*), **Lucia Bartoli**¹,
Roberto Semeraro¹, **Marta Baragli**¹, **Anna Vanni**¹, **Samuele Suraci**¹,
Manuela Capone¹, **Benedetta Peruzzi**¹, **Giulia Lamacchia**¹, **Lorenzo Salvati**¹,
Francesca Matani¹, **Marco Del Carria**¹, **Valentina Cosi Becchi**¹, **Virginia Mantia**¹,
Stefania Francalanci¹, **Roberto Caporale**³, **Sara Bencini**³, **Sara Pratesi**³,
Lorenzo Cosmi¹, **Alessandra Vultaggio**¹, **Francesco Liotta**¹, **Laura Maggi**¹,
Alberto Magi¹, **Francesco Annunziato**¹ (*Florence*)
- 12:06 The IL-23/IL-17F axis drives pathogenesis in young patients with cystic fibrosis and allergic bronchopulmonary aspergillosis
Gianluca Vascelli (*University of Perugia, Perugia*) **Alessia Sulla**¹, **Pamela Vitullo**²,
Nunzia D'Aluisio², **Maria Antonietta Ciciretti**², **Maria Agnese Della Fazio**¹,
Giuseppe Servillo¹, **Roberta Spaccapelo**¹, **Yoke Wei Alicia Wong**¹,
Donatella Pietrella¹, **Federico Alghisi**³, **Elisa Profeti**³, **Andrea Finocchi**³,
Anna Maria Russano¹, **Mirna Babucci**¹, **Yihe Qiao**⁴, **Tom William**⁴,
Darius Armstrong-James⁴, **Teresa Zelante**¹ (*¹Perugia, ²Foggia, ³Rome, ⁴London*)
- 12:18 Antigenic imprinting drives durable memory T cell programs independent of chronological age
Domenico Lo Tartaro (*University of Modena and Reggio Emilia, Modena*),
Nikolaos Paschalidis², **Elena Santacroce**¹, **Alin Ciobanu**¹, **Miriam D'Angerio**¹,
Eugenia Serattini¹, **Lara Gibellini**¹, **Calogero Caruso**³, **Andrea Cossarizza**¹,
Sara De Biasi¹ (*¹Modena, ²Athens, ³Palermo*)



WEDNESDAY, JUNE 17, 2026

AULA A

11:30 **12:30** WORKSHOP 2 – INNATE IMMUNE CELLS IN HEALTH & DISEASE

Chairs: **Valentina Salvi** (*University of Brescia, Brescia*),
Carolina Gaudenzi (*University of Brescia, Brescia*)

11:30 Stimulation of type I interferon response activates innate immunity in mouse models of colorectal cancer liver metastasis

Chiara D'Aquino (*Sapienza University of Rome, Rome*), **Eleonora Russo**²,
Ridika Karmakar¹, **Andrea Greco**¹, **Arianna Maria Candelotti**¹, **Valerio Licursi**¹,
Mattia Laffranchi¹, **Francesca Sozio**¹, **Giuseppe Sciumè**¹, **Giovanni Bernardini**¹
(¹Rome, ²Milan, ³Palermo)

11:42 Expansion of granulocyte macrophage colony stimulating factor–producing HLA-DR⁺ CD45RA⁺ Group 3 innate lymphoid cells in human colorectal cancer

Alessia Calabrò (*University of Messina, Messina*), **Fabiana Drommi**¹,
Marco Galli², **Claudia De Pasquale**¹, **Gaetana Pezzino**¹, **Martina Imbalzano**¹,
Stefania Nigro¹, **Francesca Granucci**², **Irene Bonaccorsi**¹, **Giuseppe Navarra**¹,
Guido Ferlazzo³, **Stefania Campana**¹ (¹Messina, ²Milan, ³Genoa)

11:54 Role of trained monocytes/T cell cross-talk in the control of immunological selftolerance

Giusy De Rosa (*CNR-Institute of Endotypes in Oncology, Metabolism and Immunology "G. Salvatore", Naples*), **Claudia Russo**¹,
Jorge Domínguez-Andrés², **Ozlem Bulut**², **Vincenzo Di Marino**¹, **Gianmarco Esposito**¹,
Kristyna Ruggiero¹, **Claudia La Rocca**¹, **Fortunata Carbone**¹, **Claudio Procaccini**¹,
Mihai Netea², **Giuseppe Matarese**¹ (¹Naples, ²Nijmegen)

12:06 Aryl hydrocarbon Receptor shapes transcriptional and metabolic programs regulating conventional dendritic cell type 1 functional state

Estevão Carlos Silva Barcelos (*University of Perugia, Perugia*),
Giada Mondanelli¹, **Doriana Ricciuti**¹, **Andrea Marra**², **Francesco Sarnari**¹,
Manola Mezzanotte¹, **Giorgia Manni**¹, **Alessandro Pinzi**¹, **Giulia Mencarelli**¹,
Benedetta Pieroni¹, **Anna La Rosa**¹, **Kenneth M Murphy**³, **Francesca Fallarino**¹,
Marco Gargaro¹ (¹Perugia, ²Rome, ³St. Louis)

12:18 Transcriptional profiling of Natural Killer cell activation driving immunotherapy response in triple-negative breast cancer patients

Francesca Reggiani (*Azienda USL-IRCCS of Reggio Emilia, Reggio Emilia*),
Martina Bigliardi¹, **Federica Silvestri**¹, **Gloria Manzotti**¹, **Veronica Manicardi**¹,
Elisa Salviato¹, **Emanuele Vitale**¹, **Federica Torricelli**¹, **Maira Ragazzi**^{1,2},
Evelina Begnini¹, **Elisa Gasparini**¹, **Carmine Pinto**¹, **Alessia Ciarrocchi**¹
(¹Reggio Emilia, ²Modena)

WEDNESDAY, JUNE 17, 2026

12:30 POSTER SESSION 1

13:30 During this session, the poster authors will be available near the posters in the exhibition area to answer any questions or provide further insights.

Chairs:

ALLERGY	Alessio Grimaldi, Eleonora Timperi
AUTOIMMUNITY	Carolina Gaudenzi, Valeria Fumagalli
BIG DATA, OMICS AND ARTIFICIAL INTELLIGENCE	Mattia Laffranchi, Giulia Lamacchia
CELL SIGNALING	Carolina Gaudenzi, Valeria Fumagalli
CYTOKINES AND OTHER SOLUBLE MEDIATORS	Carolina Gaudenzi, Valeria Fumagalli
DENDRITIC CELLS	Giuseppe Pietropaolo, Marco Gargaro
EPIGENETICS	Mattia Laffranchi, Giulia Lamacchia
HOST-PATHOGEN INTERACTION	Alessio Grimaldi, Eleonora Timperi
IMMUNODEFICIENCIES	Alessio Grimaldi, Eleonora Timperi
IMMUNOTHERAPY	Giuseppe Pietropaolo, Marco Gargaro
MAST CELLS AND GRANULOCYTES	Mattia Laffranchi, Giulia Lamacchia
METABOLISM	Mattia Laffranchi, Giulia Lamacchia
MONOCYTES AND MACROPHAGES	Mattia Laffranchi, Giulia Lamacchia
NK CELLS AND ILC	Carolina Gaudenzi, Valeria Fumagalli

13:30 LUNCH

14:30

AULA MAGNA

14:30 MEET-THE-EDITORS SESSION

15:30

Chairs: **Eleonora Timperi** (*Università Cattolica del Sacro Cuore, Roma*),
Alessio Grimaldi (*Sapienza University of Rome, Rome*),
Marco Gargaro (*University of Perugia, Perugia*),
Valeria Fumagalli (*IRCCS San Raffaele Scientific Institute, Milan*)

Speakers: **Trincucci Gaia** – Deputy Editor, J Exp Med (JEM)
Bakocevic Nadja – Editor in Chief, European Journal of immunology (EJI)
Matteo Iannacone – Editor in Chief, European Journal of immunology (EJI)



WEDNESDAY, JUNE 17, 2026

15:30 INDUSTRY SYMPOSIUM – BECKMAN COULTER

16:00

Chairs: **Alessio Grimaldi** (*Sapienza University of Rome, Rome*),
Andrea Cossarizza (*University of Modena and Reggio Emilia, Modena*)

Functional characterization of Treg cells in tissue inflammation
Raffaele De Palma (*University of Genoa, Genoa*)

AULA MAGNA

16:00 KEYNOTE LECTURE 2

16:45

Chairs: **Andrea Cossarizza** (*University of Modena and Reggio Emilia, Modena*),
Maria Rosaria Galdiero (*University of Naples, Naples*)

16:00 Gene therapy for primary immunodeficiencies: the path to the drug
Alessandro Aiuti (*IRCCS San Raffaele Scientific Institute, Milan*)

THURSDAY, JUNE 18, 2026

AULA MAGNA

08:00 SIICA COMMISSIONS / GROUPS OF INTEREST
09:00

09:00 SYMPOSIUM 3 – DECODING AND REPROGRAMMING THE ADAPTIVE
11:00 IMMUNE RESPONSE

Chairs: **Matteo Iannacone** (*IRCCS San Raffaele Scientific Institute, Milan*),
Giulia Lamacchia (*University of Florence, Florence*)

09:00 Memory T cell responses in human cancer
Enrico Lugli (*IRCCS Humanitas Research Hospital, Milan*)

09:24 Innate and adaptive immune mechanisms shaping B cell responses
Mirela Kuka (*University Vita-Salute San Raffaele, Milan*)

09:48 Bio-Techne – The Transition to R&D Systems by Bio-Techne: Preserving Scientific
Excellence in Immunology
Marta Dossena (*Milan*)

09:56 AssayGenie – DBA – In vivo functional grade antibodies from assay genie –
Optimized for pre-clinical studies across all in vivo applications
Pepe Ibáñez Rivero (*Spain*)

10:04 Aurogene – Pick your platform: how to navigate the ocean of flow
cytometry in 2026
Enrico Gheri (*Bologna*)

10:12 Modulating CD8-to-Treg communication to improve checkpoint
immunotherapy
Francesco Marangoni (*University of California Irvine, Irvine – USA*)

10:36 Stability of Foxp3 regulatory T cells at steady state and in cancer
Benoît Salomon (*Inserm, Toulouse – F*)

11:00 Coffee break
11:30



THURSDAY, JUNE 18, 2026

AULA MAGNA

11:30
12:30 **WORKSHOP 3 – TUMOR IMMUNOLOGY**

Chairs: **Eleonora Timperi** (*Università Cattolica del Sacro Cuore, Roma*),
Marco Gargaro (*University of Perugia, Perugia*)

- 11:30** Atypical chemotactic receptor CCRL2 orchestrates the recruitment of protumor SiglecF⁺ neutrophils in lung cancer
Annalisa Del Prete (*University of Brescia, Brescia*), **Tiziana Schioppa**¹,
Francesca Sozio², **Stefania Zini**¹, **Mattia Laffranchi**², **Valentina Salvi**¹,
Laura Tiberio¹, **Daniela Bosisio**¹, **Barbara Bottazzi**³, **Alberto Mantovani**³,
Silvano Sozzani² (¹*Brescia*, ²*Rome*, ³*Milan*)
- 11:42** xCT drives metastatic progression and immune–tumor interactions in breast cancer
Antonella Iacoviello (*University of Turin, Turin*), **Roberta Verta**¹, **Giorgia Lavina**¹,
Roberto Rui¹, **Lidia Tarone**¹, **Claudia Landi**², **Manuela Iezzi**³, **Federica Cavallo**¹
(¹*Turin*, ²*Siena*, ³*Chieti*)
- 11:54** Neutrophil dynamics and NETosis in the pathogenesis of multiple myeloma
Maria Rosaria Galdiero¹ (*University of Naples Federico II, Naples*),
Giulia De Fonzo¹, **Ilaria Dulcamare**², **Francesco Di Raimondo**², **Alessandra Romano**²,
Annagioia Ventrici¹ (¹*Naples*, ²*Catania*)
- 12:06** IgE-mediated peanut allergy reprograms the tumor immune microenvironment and limits colorectal cancer progression
Alessia Carnevale (*Sapienza University of Rome, Rome*), **Erisa Putro**¹,
Caterina Marangio¹, **Giuseppe Pietropaolo**², **Francesca Sozio**¹, **Gianni Mistrello**³,
Giuseppe Sciumè¹, **Silvano Sozzani**¹, **Rosa Molfetta**¹, **Rossella Paolini**¹
(¹*Rome*, ²*Isernia*, ³*Milan*)
- 12:18** Tumor progression reprograms cardiac innate immunity and drives neutrophil-mediated myocardial dysfunction
Francesco Scavello (*IRCCS Milan Research Hospital, Milan*),
Francesco Scavello, **Domenico Supino**, **Silvia Carnevale**, **Irene Di Ceglie**,
Manuel Casaburo, **Arianna Felicetta**, **Francesca Vainov**, **Virginia Cianchi**,
Marika Ventura, **Roberto Garuti**, **Chiara Frige**¹, **Monica Dambra**, **Piera Molisso**,
Anna Pia Lasaracina, **Elena Magrini**, **Gianluigi Condorelli**, **Carolina Greco**,
Sebastien Jaillon, **Cecilia Garlanda** (*Milan*)

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AULA A

11:30 12:30 WORKSHOP 4 – HOST-PATHOGEN INTERACTION

Chairs: **Carolina Gaudenzi** (*University of Brescia, Brescia*),
Giuseppe Pietropaolo (*Sapienza University of Rome, Rome*)

11:30 Human TR3-56 cells in Multiple Sclerosis: a new pathogenic cell link between Epstein-Barr virus infection and disease pathogenesis
Erica Piemonte (*University of Naples Federico II, Naples*), **Sara Bruzzaniti**, **Lavinia Izzo**, **Gianmarco Abbadessa**, **Giuseppina Miele**, **Antonella Castiglione**, **Elisabetta Signoriello**, **Mario Cirillo**, **Giacomo Lus**, **Giuseppe Matarese**, **Simona Bonavita**, **Mario Galgani** (*Naples*)

11:42 Viral infections accelerate hematopoietic stem cell aging
Francesca Silini (*IRCCS San Raffaele Scientific Institute, Milan*), **Valeria Fumagalli¹**, **Gonzalo Sotoheredero¹**, **Pietro Di Lucia¹**, **Chiara Perrucchini¹**, **Alessandro Vallorini¹**, **Raffaella Di Micco¹**, **Maria Mittelbrunn²**, **Matteo Iannacone¹** (*¹Milan, ²Madrid*)

11:54 Bacterial lipopolysaccharide acylation patterns dictate hematopoietic stem cell fate and systemic immune responsiveness
Marco Galli (*University of Milano-Bicocca, Milan*), **Stefano Cozzi**, **Giuseppe Rocca**, **Anna Celant**, **Laura Marongiu**, **Alessandra Martorana**, **Alessandra Polissi**, **Metello Enzo Innocenti**, **Francesca Granucci** (*Milan*)

12:06 Vδ2-extracellular vesicles contain multiple antiviral and immune-regulatory miRNAs
Federica Guarracino (*Bambino Gesù Children's Hospital, Rome*), **Veronica Bordoni**, **Francesco Marocco**, **Luca Quattrocchi**, **Angela Lorusso**, **Antonella Minutolo**, **Sabrina Garbo**, **Masha Pellegrino**, **Mara Vinci**, **Claudia Matteucci**, **Daria Pagliara**, **Federica Galaverna**, **Pietro Merli**, **Cecilia Battistelli**, **Franco Locatelli**, **Chiara Agrati** (*Rome*)

12:18 Pentraxin 3 KO mice exhibit increased susceptibility to Mycobacterium tuberculosis infection compared with Wild-Type controls
Marco Pio La Manna (*University of Palermo, Palermo*), **Nadia Caccamo¹**, **Giusto Davide Badami¹**, **Cecilia Garlanda²**, **Barbara Bottazzi²**, **Francesco Dieli¹** (*¹Palermo, ²Milan*)



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AULA B

11:30 WORKSHOP 5 – MOLECULAR IMMUNOLOGY

12:30

Chairs: **Renato Ostuni** (*IRCCS San Raffaele Scientific Institute, Milan*),
Mattia Laffranchi (*Sapienza University of Rome, Rome*)

11:30 Harnessing Runx1 enhancer-reporter models to elucidate the specification of Haematopoietic Stem Cells in the mouse embryo

Giorgio Anselmi (*University of Oxford, Oxford – UK*), **Vincent Frontera**¹,
Christina Rode¹, **Andrew Jarratt**¹, **Naeema Mehmood**¹, **Matthew Nicholls**¹,
Stella Antoniou¹, **Emanuele Azzoni**², **John Stamatoyannopoulos**³,
Ditsa Levanon⁴, **Yoram Groner**⁴, **Marella de Bruijn**¹
(¹Oxford, ²Monza, ³Seattle, ⁴Rehovot)

11:42 Tyrosine halogenation converts α -defensins into potent immunomodulators
Alessandro Foti (*Max Planck Institute for Infection Biology, Berlin – D*),
Kathrin Textoris-Taube¹, **Adam Pickrum**², **Ashley Castellaw**²,
Ravishankar Chandrasekaran², **Stefan Becker**³, **Kruger Renate**¹, **Victor Torres**²,
Christian Griesinger³, **Markus Ralser**¹, **Robert Hurwitz**¹, **Miha Milek**¹,
Hee Jin Kim¹, **Venus Singh Mithu**³, **Horst Von-Bernuth**¹, **Michael Muelleder**¹,
Albin Biswas¹, **Pauline Fahjen**¹, **Moritz Winkle**¹, **Ulrike Abuabed**¹,
Daniel Humme¹, **Stephanie Thee**¹, **Antje Prasse**⁴, **Benjamin Seeliger**⁴,
Dieter Beule¹, **Arturo Zychlinsky**¹ (¹Berlin, ²Memphis, ³Göttingen ⁴Hannover)

11:54 NFAT signaling modulation promotes endogenous neural stem cell expansion and brain regeneration
Francesca Colnaghi (*University of Milano-Bicocca, Milan*), **Laura Marongiu**,
Stefano Cozzi, **Marco Galli**, **Anna Celant**, **Giuseppe Rocca**, **Francesca Granucci**,
Laura Marongiu (*Milan*)

12:06 Inflammasome inhibitor MCC950 prevents psoriasis-like skin manifestations and associated systemic inflammation
Alex Spitilli (*University of Ferrara, Ferrara*), **Chiara Terranova**¹,
Alisia Camporeale¹, **Francesca Nigro**¹, **Federica Brugnoli**¹, **Silvia Grassilli**¹,
Valeria Bertagnolo¹, **Fabio Casciano**¹, **Hasan Ayaz**², **Francesca Granucci**²,
Paola Secchiero¹, **Davide Ferrari**¹, **Eva Realì**¹ (¹Ferrara, ²Milan)

12:18 Lysosomal acid lipase deficiency impairs metabolic reprogramming supporting antigen-presenting capacity of dendritic cells
Carola Garavaglia (*University of Milan, Milan*), **Fabrizia Bonacina**¹,
Federica Cetti¹, **Rossella Bellini**¹, **Alice Ossoli**¹, **Tiziano Lucchi**¹, **Annalisa Madeo**²,
Liliana Grigore³, **Fabio Nascimbeni**⁴, **Stefano Romeo**⁵, **Laura D'erasmo**⁶,
Silvia Pedretti¹, **Nico Mitro**¹, **Danilo Norata**¹, **Monica Gomasaschi**¹ (*Milan*, ²Genoa,
³Cinisello Balsamo, ⁴Modena, ⁵Göthenburg, ⁶Rome)

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12:30 POSTER SESSION 2

13:30 During this session, the poster authors will be available near the posters in the exhibition area to answer any questions or provide further insights.

Chairs:

MUCOSAL IMMUNOLOGY AND THE MICROBIOTA	Irene Mattiola, Alessio Grimaldi, Eleonora Timperi
OTHER TOPICS	Mattia Laffranchi, Giulia Lamacchia
T AND B LYMPHOCYTES	Mattia Laffranchi, Giulia Lamacchia
TRANSLATIONAL IMMUNOLOGY	Carolina Gaudenzi, Valeria Fumagalli
TUMOR IMMUNOLOGY	Irene Mattiola, Alessio Grimaldi, Eleonora Timperi Giuseppe Pietropaolo, Marco Gargaro
VACCINES	Carolina Gaudenzi, Valeria Fumagalli

13:30 LUNCH

14:30



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AULA MAGNA

14:30 WORKSHOP 6 – TUMOR IMMUNOTHERAPY **15:30**

Chairs: **Alessio Grimaldi** (*Sapienza University of Rome, Rome*),
Valeria Fumagalli (*IRCCS San Raffaele Scientific Institute, Milan*)

- 14:30** hMENA-regulated secretory autophagy in cancer-associated fibroblasts shapes an immunosuppressive tumor microenvironment and promotes immunotherapy resistance in NSCLC
Annalisa Tocci (*IRCCS Regina Elena National Cancer Institute, Rome*),
Lorenzo D' Ambrosio¹, Nicla Porciello¹, Lorenzo Valenti¹, Francesca Di Modugno¹, Anna Di Carlo¹, Filippo Gallina¹, Riccardo Tajè¹, Francesca Paolini¹, Vittoria Balzano¹, Giulia Campo¹, Daniel D'Andrea², Anna Maria Mileo¹, Paola Nisticò¹ (¹Rome, ²Bristol)
- 14:42** Activin A blockade remodels the bone marrow niche and enhances chemotherapy response in paediatric B-cell Acute Lymphoblastic Leukemia
Erica Dander (*Fondazione IRCCS San Gerardo dei Tintori, Monza*),
Alessandra Fallati¹, Rita Starace¹, Jennifer Romagnoli¹, Alice Giussani¹, Deborah D'Aliberti¹, Silvia Spinelli¹, Carmelo Rizzari¹, Nicolò Panini², Alessio Palini², Grazia Fazio¹, Andrea Biondi¹, Mattia Bugatti³, Martina Benedetti³, Andrea Cappelleri⁴, Gaia Bianchi⁴, Silvano Sozzani⁵, Camilla Recordati⁴, William Vermi³, Rocco Piazza¹, Giovanna D'Amico¹ (¹Monza, ²Milan, ³Brescia, ⁴Lodi, ⁵Rome)
- 14:54** Epigenetic activation of the IL-33/ST2 axis potentiates anti-tumor immunity and restores sensitivity to PD-1 blockade in melanoma
Fabrizio Mattei (*Istituto Superiore di Sanità, Rome*), **Francesco Noto¹, Adriana Rosa Gambardella¹, Jacopo Mancini¹, Adele De Ninno¹, Luca Businaro¹, Daniele Macchia¹, Massimo Spada¹, Andrea Pavesi², Giovanna Schiavoni¹** (¹Rome, ²Singapore)
- 15:06** Reprogramming melanoma treatment by unlocking CSPG4-targeted combination approaches
Federica Riccardo (*University of Turin, Turin*), **Lidia Tarone, Flavia D'Achille, Davide Giacobino, Mariateresa Camerino, Lorella Maniscalco, Irene Merighi, Elisabetta Bolli, Enzo Calautti, Emanuela Morello, Federica Cavallo** (*Turin*)
- 15:18** Inducing a metastable tumour cell state triggers viral mimicry and enhances anti-tumour immunity
Stefano Cozzi (*University of Milano-Bicocca, Milan*), **Laura Marongiu, Giulia Stucchi, Marco Galli, Giuseppe Rocca, Anna Celant, Francesca Mingozi, Francesca Colnaghi, Deborah D'Aliberti, Rocco Piazza, Metello Enzo Innocenti, Francesca Granucci** (*Milan*)

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AULA A

14:30 15:30 WORKSHOP 7 – MUCOSAL IMMUNOLOGY AND THE MICROBIOTA

Chairs: **Maria Rosaria Galdiero** (*University of Naples, Naples*),
Irene Mattiola (*Charité – Universitätsmedizin Berlin, Berlin – D*)

14:30 Immunomodulatory effects and safety of fecal microbiota transplantation in ALS: results from the FETR-ALS clinical trial
Elena Niccolai (*University of Florence, Florence*), **Elisabetta Zucchi**²,
Giulia Nannini¹, **Riccardo Cuoghi Costantini**², **Ilaria Martinelli**², **Giulia Gianferrari**²,
Cecilia Simonini³, **Simone Baldi**¹, **Matteo Lulli**¹, **Gianluca Quaranta**⁴,
Gianluca Bartolucci¹, **Roberto D'Amico**², **Luca Masucci**⁴, **Jessica Mandrioli**²,
Amedeo Amedei¹ (¹Florence, ²Modena, ³Reggio Emilia, ⁴Rome)

14:42 A macrophage immunoreceptor-microbiota axis controls intestinal inflammation
Sofia Giacometti (*University of Padua, Padua*), **Annica Barizza**¹,
Stefania Vassallo¹, **Matteo Calgaro**², **Nicola Vitulo**², **Gaia Codolo**¹
(¹Padua, ²Verona)

14:54 Multiple sclerosis microbiota: driving trained innate and innate-like immunity
Silvia Corbisiero (*IRCCS Fondazione Santa Lucia, Roma*), **Salvatore Famà**,
Marta Pirronello, **Alice Verdiani**, **Elena Olivieri**, **Gisella Guerrera**,
Manolo Sambucci, **Daniela Angelini**, **Rossella Simonetti**, **Roberta Placido**,
Valeria Zancan, **Maria Chiara Buscarinu**, **Marco Salvetti**, **Claudia Vuotto**,
Luca Battistini, **Giovanna Borsellino** (*Rome*)

15:06 Characterising a $\gamma\delta$ T cell – gut epithelial cell axis predisposing to Crohn's Disease
Ambra Natalini (*The Francis Crick Institute, London - UK*), **Robin Dart**,
Niamah Nishan, **Duncan Berger**, **George Adams**, **Sharavan Venkateswaran**,
Dasha Freydina, **Rosa Andres Ejarque**, **Cara Brown**, **Adrian Hayday** (*London*)

15:18 Pro-inflammatory intestinal Th17-cells are tissue-resident, accumulate in the epithelia in Crohn's Disease and predict unresponsiveness to Vedolizumab
Jens Geginat (*National Institute of Molecular Genetics, Milan*), **Moira Paroni**,
Carmen Faggiano, **Camilla Righetti**, **Irene Duseti**, **Chiara Vasco**,
Daniele Noviello, **Federica Facciotti**, **Flavio Caprioli** (*Milan*)



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AULA B

14:30 WORKSHOP 8 – REGULATORY CELLS 15:30

Chairs: **Andrea Cossarizza** (*University of Modena and Reggio Emilia, Modena*), **Silvia Piconese** (*Sapienza University of Rome, Rome*)

- 14:30 Regulatory dendritic cells program metabolic immune suppression in the tumor microenvironment through IL4i1
Marco Gargaro (*University of Perugia, Perugia*), **Giulia Mencarelli**¹, **Andrea Marra**², **Estevão Carlos Silva Barcelos**¹, **Giorgia Manni**¹, **Giulia Scalisi**³, **Doriana Ricciuti**¹, **Benedetta Pieroni**¹, **Francesco Sarnari**¹, **Alessandro Pinzi**¹, **Giada Mondanelli**¹, **Kenneth M. Murphy**⁴, **Francesca Fallarino**¹
(¹Perugia, ²Rome, ³Evry, ⁴St. Louis)
- 14:42 RBPJ as the fulcrum of a novel, HIF-independent hypoxia response in regulatory T cells
Jacopo Arrigoni (*University of Milan, Milan*), **Jacopo Arrigoni**, **Lorenzo Druifuca**, **Francesca Simoncello**, **Azzurra Manfroni**, **Carolina Dossena**, **Mattia Toninelli**, **Michaela Fakiola**, **Grazisa Rossetti**, **Massimiliano Pagani** (*Milan*)
- 14:54 CD71-dependent iron metabolism in ROR γ t⁺ Tregs shapes intestinal homeostasis and tumor immunity
Alessandra Pinzon Grimaldos (*Sapienza University of Rome, Rome*), **Ilenia Pacella**, **Federico Nicchiotti**, **Agnese Biasco**, **Giuseppe Pietropaolo**, **Giorgia Sartori**, **Ivan Tattoli**, **Lucia Pallotta**, **Carola Severi**, **Silvia Piconese** (*Rome*)
- 15:06 A previously unrecognized regulatory T Cell subset in the breast cancer tumor microenvironment
Veronica De Rosa (*Istituto per l'Endocrinologia e l'Oncologia Sperimentale "G. Salvatore", IEOS-CNR, Naples*), **Antonietta Liotti**, **Clorinda Fusco**, **Francesca Di Rella**, **Valeria Mazzone**, **Annamària Szabò**, **Emanuela Esposito**, **Ivana Donzelli**, **Martina Pontillo**, **Nicola Rocco**, **Daniela Russo**, **Antonello Accurso**, **Luigi Insabato**, **Irene Cantone**, **Antonio Pezone** (*Naples*)
- 15:18 Immune checkpoint expression in $\gamma\delta$ T cells reflects structured regulatory circuits rather than a linear exhaustion trajectory
Anna Maria Corsale (*University of Palermo, Palermo*), **Marta Di Simone**¹, **Juan Pablo Cerapio**², **Claudia Avellone**¹, **Costanza Dieli**¹, **Salvatore Marchiafava**¹, **Francesco Dieli**¹, **Serena Meraviglia**¹ (¹Palermo, ²Toulouse)

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15:30 Coffee break
16:00

16:00 **INDUSTRY SYMPOSIUM – BD BIOSCIENCIES**
16:30

Chairs: **Laura Tiberio** (*University of Brescia, Brescia*),
Mattia Laffranchi (*Sapienza University of Rome, Rome*)

Measuring what matters: immune assessment as a guide in anti-CD20
treated patients
Arianna Gatti (*ASST Ovest Milanese, Milan*)

16:30 **KEYNOTE LECTURE 3**
17:15

Chairs: **Irene Mattiola** (*Charité – Universitätsmedizin Berlin, Berlin – D*),
Mattia Laffranchi (*Sapienza University of Rome, Rome*)

16:30 Different guards, same grounds: spatial orchestration of tissue surveillance by
memory T Cells
Georg Gasteiger (*University of Wuerzburg, Wuerzburg – D*)

17:20 **SIICA GENERAL ASSEMBLY**
18:20



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08:30 **SYMPOSIUM 4 – METABOLIC CIRCUITS OF INFLAMMATION AND IMMUNITY**
10:30

Chairs: **Silvia Piconese** (*Sapienza University of Rome, Rome*),
Giuseppe Pietropaolo (*Sapienza University of Rome, Rome*)

- 08:30** Dissecting the metabolic properties of tissue-resident lymphocytes during tumor progression
Laura Surace (*University of Bonn, Bonn – D*)
- 08:55** Immunometabolic rewiring across the fast-feed transition
Danilo Norata (*University of Milan, Milan*)
- 09:20** Macrophage–cancer interaction in the tumor microenvironment
Diletta Di Mitri (*Humanitas University, Milan*)
- 09:45** Luteinizing hormone modulation shapes sex-specific metabolic programs during hematopoietic stem cell regeneration
Angelica Mancusi (*Bambino Gesù Children Hospital, Rome*), **Shirley Genah**, **Alessio Taviani**, **Nicholas Brenna**, **Angela Gallo**, **Franco Locatelli**, **Enrico Velardi** (*Rome*)
- 09:57** Immune reconstitution in transplanted survivors of childhood acute lymphoblastic leukemia associates with an altered immuno-metabolic profile and vascular dysfunction
Marta Iaia (*University of Milan, Milan*), **Alessandro Cattoni**², **Santo Di Marco**², **Giovanni Battista Vingiani**¹, **Ottavia Terenghi**¹, **Anita Toso**², **Elena Olmastroni**¹, **Annalisa Moregola**¹, **Silvia Nucera**², **Adriana Balduzzi**², **Danilo Norata**¹, **Fabrizia Bonacina**¹ (*¹Milan, ²Monza*)
- 10:09** Obesity as a driver of premature immune senescence
Valeria Mazzone (*Institute of Endotypes in Oncology, Metabolism and Immunology “G. Salvatore” IEOMI-CNR, Naples*), **Antonella Desiderio**, **Antonietta Liotti**, **Rosa Spinelli**, **Daria Marcogiuseppe**, **Annamària Szabò**, **Anna D’Amore**, **Marco Milone**, **Antonio Franzese**, **Mario Musella**, **Laura Andreea Ceparano**, **Giuseppe Rengo**, **Gregory Alexander Raciti**, **Francesco Beguinot**, **Claudia Miele**, **Veronica De Rosa** (*Naples*)

10:30 Coffee break
11:00

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AULA MAGNA

11:00 SYMPOSIUM 5 – INNATE IMMUNE CELL FUNCTIONS IN HEALTH AND DISEASE 13:00

Chairs: **Silvano Sozzani** (*Sapienza University of Rome, Rome*),
Marco Gargaro (*University of Perugia, Perugia*)

- 11:00 Brain border immune cells: more than sentinels?
Rejane Rua (*CIML Centre d'Immunologie de Marseille-Luminy, Marseille – F*)
- 11:25 Unlocking anti-tumor immunity: defining novel regulators of cDC activation
Eduardo Bonavita (*Humanitas University, Milan*)
- 11:50 Advancing our knowledge on human immunosuppressive neutrophils
Marco Cassatella (*University of Verona, Verona*)
- 12:15 Unveiling innate lymphoid cell states in colorectal liver metastases
Alessandro Vallorini (*IRCCS San Raffaele Scientific Institute, Milan*),
Davide Marotta, Pietro Di Lucia, Chiara Perucchini, Francesca Silini,
Pietro Delfino, Francesco Andreatta, Micol Ravà, Luca G Guidotti,
Matteo Iannacone, Valeria Fumagalli (*Milan*)
- 12:27 IL22ra2-high cDC2 associate with TH17 remodeling in AOM/DSS colonic tumorigenesis
Anna Celant (*University Milano-Bicocca, Milan*), **Giuseppe Rocca¹, Marco Galli¹,**
Stefano Cozzi¹, Valentina Melocchi², Francesca Colnaghi¹, Bianchi Fabrizio²,
Laura Marongiu¹, Metello Enzo Innocenti¹, Francesca Granucci¹
(*¹Milan, ²San Giovanni Rotondo*)
- 12:39 An IL-18-responsive unconventional $\alpha\beta$ T cell population with innate-like and antitumoral effector functions
Irene Di Ceglie (*IRCCS Milan Research Hospital, Milan*), **Anna Rigatelli¹,**
Simone Puccio¹, Paolo Kunderfranco¹, Roberta Carriero¹, Silvia Carnevale¹,
Anna Pia Lasaracina¹, Piera Molisso¹, Domenico Supino¹, Francesco Scavello¹,
Elena Magrini¹, Ferdinando Cananzi¹, Salvatore Lorenzo Renne¹,
Giovanni Capretti¹, Giuseppe Sciumè², Enrico Lugli¹, Alberto Mantovani^{1,3},
Cecilia Garlanda¹, Sebastien Jaillon^{1,4} (*¹Milan, ²Rome, ³London, ⁴Pavia*)



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AULA MAGNA

13:00 **KEYNOTE LECTURE 4**

13:45 Chairs: **Marco Cassatella** (*University of Verona, Verona*),
Carolina Gaudenzi (*University of Brescia, Brescia*)

13:00 Tissue-resident macrophages in health and disease
Melanie Greter (*University of Zurich, Zurich – CH*)

13:45 **CLOSING CEREMONY AND AWARDS**

14:15

POSTER SESSION 1 - JUNE 17, 2026 - 12:30-13:30

AULA MAGNA

ALLERGY

- P01 Integration of Basophil Activation Test and CAP-inhibition into the classical diagnostic approach to develop a diagnostic algorithm for the choice of venom immunotherapy
Valentina Cosi Becchi (*University of Florence, Florence*), **Alessio Mazzoni**, **Ester Di Agosta**, **Margherita Perlato**, **Emanuele Vivarelli**, **Laura Maggi**, **Anna Vanni**, **Giulia Lamacchia**, **Lorenzo Salvati**, **Francesca Matani**, **Lucia Bartoli**, **Stefania Francalanci**, **Virginia Mantia**, **Marco Del Carria**, **Raffaella Quitadamo**, **Matteo Pratali**, **Stefania Corzani**, **Francesco Liotta**, **Andrea Matucci**, **Alessandra Vultaggio**, **Francesco Annunziato**, **Lorenzo Cosmi** (*Florence*)
- P02 Modulation of airway inflammation by recombinant Der p 38 mutant immunotherapy in a murine model of allergic asthma
In Sik Kim (*Eulji University, Uijeongbu*), **Ji-Sook Lee** (*Wonkwang University, Iksan, Reepublic of Korea*)
- P03 SFPQ/S100A8 complex induces filaggrin deficiency in atopic dermatitis
In Sik Kim (*Eulji University, Uijeongbu*), **Ji-Sook Lee** (*Wonkwang University, Iksan, Reepublic of Korea*)

AUTOIMMUNITY

- P04 Immunomodulatory effects of dental pulp stem cell-derived secretome on immune checkpoint expression and cytokine production by lymphocytes and monocytes from rheumatoid arthritis patients
Stefania Croci (*Azienda Unità Sanitaria Locale – IRCCS di Reggio Emilia, Reggio Emilia*), **Alessandro Rossi**¹, **Giulia Ferrari**¹, **Martina Bonacini**¹, **Cecilia Catellani**¹, **Gianluca Carnevale**², **Rosanna Di Tinco**², **Alessandra Pisciotto**², **Maria Grazia Catanoso**¹, **Giorgia Citriniti**¹, **Giuseppe Germanò**¹, **Alessandro Zerbini**¹, **Carlo Salvarani**^{1,2} (*¹Reggio Emilia, ²Modena*)
- P05 Predictive biomarkers discovery to anticipate Ocrelizumab effectiveness in relapsing-remitting Multiple Sclerosis patients
Matteo Pivetta (*University of Udine, Udine*), **Carolina Ricci**, **Viviana Valeri**, **Eleonora Martinis**, **Isabella Pesenti**, **Daniela Cargnelutti**, **Simone Lorenzut**, **Stefania Marzinotto**, **Beatrice Krpan**, **Barbara Frossi**, **Carlo Pucillo**, **Silvia Tonon** (*Udine*)
- P06 Lectin pathway functional deficit and early antiphospholipid titers as predictors of preterm delivery in Obstetric Antiphospholipid Syndrome
Barbara Fogar (*University of Trieste, Trieste*), **Arianna Da Via**², **Maria Borghi**², **Caterina Bodio**², **Manola Comar**¹, **Chiara Agostinis**¹, **Francesco Tedesco**², **Roberta Bulla**¹, **PierLuigi Meroni**², **Paola Lonati**² (*¹Trieste, ²Milan*)



POSTER SESSION 1 - JUNE 17, 2026 - 12:30-13:30

- P07 Platelets' phenotype and mitochondrial function in Systemic Sclerosis and in the very early disease
Annalisa Villa (*Sapienza University of Rome, Rome*), **Francesca Maiorca**, **Annamaria Sabetta**, **Ludovica Lombardi**, **Silvia D'Orso**, **Francesca La Gualana**, **Simona Truglia**, **Fabrizio Conti**, **Valeria Riccieri**, **Lucia Stefanini**, **Marcella Visentini** (*Rome*)
- P08 Chronically activated, yet not exhausted, AQP4-specific CD4⁺ T cells are associated with astrocytic injury in NMOSD
Marta Pirronello (*Fondazione Santa Lucia, Rome*), **Gisella Guerrera**¹, **Pietro Businaro**², **Giulia Sancesario**¹, **Silvia Corbisiero**¹, **Alice Verdiani**¹, **Maria Teresa Ferrò**³, **Rocco Totaro**⁴, **Carla Tortorella**¹, **Matteo Gastaldi**², **Luca Battistini**¹, **Giovanna Borsellino**¹ (*¹Rome, ²Pavia, ³Crema, ⁴L'Aquila*)
- P09 Vaccination-induced trained immunity in myeloid cells confers protection in experimental autoimmune encephalomyelitis by promoting a suppressive Ly6Chigh phenotype
Elena Rossi (*IRCCS San Raffaele Institute, Milan*), **Alessia Lupoli**, **Annamaria Finardi**, **Alessandra Mandelli**, **Alessia Bottoni**, **Davide Missarelli**, **Maira Gironi**, **Roberto Furlan** (*Milan*)
- P11 HLA class I immunopeptidomics of the rheumatoid arthritis synovial compartment reveals candidate CD8⁺ T-cell targets
Juan Aguilon (*University of Chile, Santiago*), **Diego Catalán**^{1,2}, **Daniela Schneider**^{1,2}, **Bárbara Pesce**^{1,2}, **Miqueas Jaime**^{1,2}, **Lilian Soto**^{1,2}, **Carolina Cuellar**^{1,2}, **Montserrat Carrascal**², **Jaxaira Maggi**^{1,2} (*¹Santiago, ²Barcelona*)
- P12 Celiac disease within a suspected cohort: evaluation of prevalence, sex distribution, and the clinical necessity of emerging immunological markers
Rahmani Amine (*Mohamed Boudiaf Public Hospital Establishment, Ouargla*), **Belouattar Achouak**², **Hadjadj Sofiane**², **Aboulkacem Mohamed**¹ (*¹Ouargla, ²Bahmid*)
- P13 Differential impact of single macronutrient-enriched diets on self-immunetolerance and systemic neuroinflammation
Vincenzo Di Marino (*University of Naples, Naples*), **Claudia Russo**, **Giusy De Rosa**, **Kristyna Ruggiero**, **Claudia La Rocca**, **Fortunata Carbone**, **Gianmarco Esposito**, **Claudio Procaccini**, **Giuseppe Matarese** (*Naples*)

POSTER SESSION 1 - JUNE 17, 2026 - 12:30-13:30

BIG DATA, OMICS AND ARTIFICIAL INTELLIGENCE

- P14 SPHERE Spatial Profiling of Heterogeneity in the microEnvironment
Giuseppe Frisullo (IRCCS Regina Elena National Cancer Institute, Rome),
Lorenzo D' Ambrosio¹, **Nicla Porciello**¹, **Vittoria Balzano**¹, **Annalisa Tocci**¹,
Francesca Di Modugno¹, **Frauke Goeman**¹, **Filippo Gallina**¹, **Federico Cappuzzo**¹,
Grisel Maver Militello¹, **Manuela Rosado**¹, **Paola Nisticò**¹, **Daniel D'Andrea**²
(¹Rome, ²Bristol)
- P15 Characterization of B-cell subsets and BCR Repertoire in NSCLC patients with
Tertiary Lymphoid Structures in the primary tumor
Lorenzo D' Ambrosio (IRCCS Regina Elena National Cancer Institute, Rome),
Miriam Petrella, **Belinda Palermo**, **Giuseppe Frisullo**, **Vittoria Balzano**,
Francesca Di Modugno, **Nicla Porciello**, **Giulia Campo**, **Filippo Gallina**,
Frauke Goeman, **Federico Cappuzzo**, **Manuela Rosado**, **Paola Nisticò** (Rome)

CELL SIGNALING

- P16 Differential activation of Toll-like Receptor 8 signaling pathways in human
neutrophils and monocytes
Matteo Giani (University of Verona, Verona), **Elisa Gardiman**,
Francesco Miguel Angel Bianchetto Aguilera, **Carlo Frigenti**, **Sara Gasperini**,
Marco Cassatella, **Nicola Tamassia** (Verona)

CYTOKINES AND OTHER SOLUBLE MEDIATORS

- P17 Investigating whether human mature polymorphonuclear myeloid-derived
suppressor cells produce interleukin-10
Gabriele Angelini (University of Verona, Verona), **Elisa Gardiman**, **Sara Gasperini**,
Federica Calzetti, **Patrizia Scapini**, **Nicola Tamassia**, **Marco Cassatella** (Verona)
- P18 IL-1R8 directs hematopoietic fate decisions by counterbalancing IL-1-driven
emergency myelopoiesis
Domenico Supino (IRCCS Humanitas Research Hospital, Milan),
Martina Molgora^{1,2}, **Roberta Carriero**¹, **Laura Crisafulli**¹, **Francesca Ficari**¹,
Chiara Perucchini¹, **Paolo Kunderfranco**¹, **Marialuisa Barbagallo**¹,
Irene Di Ceglie¹, **Matteo Brindisi**¹, **Giuseppe Diaferia**^{1,3}, **Sara Polletti**¹,
Darya Khantakova⁴, **Francesca Gianni**¹, **Matteo Zampini**¹, **Marco Colonna**⁴,
Matteo Giovanni Della Porta^{1,5}, **Gioacchino Natoli**¹, **Alberto Mantovani**^{1,5,6},
Cecilia Garlanda^{1,5} (¹Milan, ²Tampa, ³Lisbon, ⁴St. Louis, ⁵Pieve Emanuele, ⁶London)



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DENDRITIC CELLS

- P19 Immunostimulant-induced maturation of monocyte-derived dendritic cells in respiratory infection prophylaxis
Kanta Basharat (*University of Genoa, Genoa*), **Melissa Ferraris**, **Fulvio Braido**, **Giovanni Melioli** (*Genoa*)
- P20 Broncho-Vaxom® modulates dendritic cell metabolism and immune activity via Aryl Hydrocarbon Receptor
Francesca Fallarino (*University of Perugia, Perugia*), **Giorgia Manni**¹, **Marco Gargaro**¹, **Naomi Wieser**², **Edouard Baulier**², **Benedetta Pieroni**¹ (*¹Perugia, ²Meyrin*)
- P21 Extracellular vesicle subpopulations from human amniotic fluid differentially induce IDO1-dependent tolerogenic programming in dendritic cells
Giorgia Manni (*University of Perugia, Perugia*), **Benedetta Pieroni**, **Doriana Ricciuti**, **Giulia Mencarelli**, **Alessandro Pinzi**, **Anna La Rosa**, **Francesco Sarnari**, **Giada Mondanelli**, **Rita Romani**, **Estevao Carlos Silva Barcelos**, **Marco Gargaro**, **Francesca Fallarino** (*Perugia*)
- P22 Generation of a neoantigen-rich NSCLC model to study dendritic cell-based vaccination
Gabriele De Losa (*International Centre for Genetic Engineering and Biotechnology, Trieste*), **Giulia Maria Piperno**, **Lucia Lopez**, **Emma Dalla Mora**, **Aprajita Sinha** (*Trieste*)

EPIGENETICS

- P23 EZH2 inhibition shapes histotype-specific immune recruitment in 3D malignant pleural mesothelioma models and supports rational combination strategies
Martina Delsignore (*University of Piemonte Orientale "Amedeo "Avogadro, Novara*), **Gaia Cassinari**¹, **Simona Revello**¹, **Elisa Rondina**^{1,2}, **Guglielmo Vignarelli**¹, **Chiara Porta**¹ (*¹Novara, ²Alessandria*)

HOST-PATHOGEN INTERACTION

- P24 Organoid cultures as a three-dimensional platform to study fungal infectious diseases
Alessia Sulla (*University of Perugia, Perugia*), **Gianluca Vascelli**¹, **Margherita Bertuzzi**², **Teresa Zelante**¹ (*¹Perugia, ²Manchester*)
- P25 Microbial adhesion promotes Piezo1 activation to initiate innate immunity
Stefano Cozzi (*University of Milano-Bicocca, Milan*), **Giulia Stucchi**¹, **Marco Galli**¹, **Stefano Cozzi**¹, **Anna Celant**¹, **Laura Marongiu**¹, **Giuseppe Rocca**¹, **Maria Chelazzi**¹, **Alessandra Polissi**, **Alessandra Martorana**¹, **Giampiero Pietrocola**², **Marina Vai**¹, **Ivan Orlandi**¹, **Metello Enzo Innocenti**¹, **Francesca Granucci**¹ (*¹Milan, ²Pavia*)

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- P26 Optimization of peptide-based enzyme-linked immunosorbent assay for the Mpx B-cell humoral response: an investigation of the A42R core protein model
Eleonora Tartaglia (*National Institute for Infectious Diseases Lazzaro Spallanzani, Rome*), **Eleonora Cimini**¹, **Giulia Matusali**¹, **Feliciano Real-Fernandez**², **Aurora Bettini**¹, **Licia Bordini**¹, **Michael Quagliata**², **Giovanni Chillemi**¹, **Simone Giannecchini**², **Paolo Rovero**², **Anna Maria Papini**², **Fabrizio Maggi**¹
(¹Rome, ²Florence)

IMMUNODEFICIENCIES

- P27 Characterization of progenies from circulating inflammatory precursors in Common Variable Immunodeficiency (CVID) patients
Filippo Piombo (*University of Genoa, Genoa*), **Filippo Piombo**, **Luca Marri**, **Francesca Antonini**, **Genny Del Zotto**, **Chiara Schiavi**, **Chiara Vassallo**, **Ottavia Magnani**, **Andrea Guastalla**, **Guido Ferlazzo**, **Raffaele De Palma**, **Andrea De Maria** (*Genoa*)
- P28 Autosomal dominant Hyper-IgE Syndrome patients retain IL10-producing preTh17-cells that are activated by opportunistic pathogens and support IgE production
Jens Geginat (*National Institute of Molecular Genetics, Milan*), **Chiara Vasco**, **Giorgia Moschetti**, **Francesca Clemente**, **Maria Carrabba**, **Giovanna Fabio**, **Jens Geginat** (*Milan*)
- P29 Uncovering Natural Killer cell dysregulation in a novel RAB27A variant of Griscelli syndrome type 2
Greta Mutti (*University of Brescia, Brescia*), **Sara Rezzola**¹, **Matteo Rossignoli**¹, **Alessandra Loda**¹, **Laura Dotta**¹, **Maria Iascone**², **Annarosa Soresina**¹, **Giovanna Tabellini**¹, **Raffaele Badolato**¹, **Silvia Parolini**^{1,3,4} (¹Brescia, ²Bergamo, ³Trieste, ⁴Padua)
- P30 Defective myeloid maturation in MIRAGE syndrome: insights from deep immunophenotyping and transcriptomic profiling
Filippo Consonni (*University of Brescia, Brescia*), **Laura Dotta**¹, **Annarosa Soresina**¹, **Elisa Gardiman**², **Matteo Giani**², **Maria Rosaria Iascone**³, **Fulvio Porta**¹, **Nicola Tamassia**², **Raffaele Badolato**¹ (¹Brescia, ²Verona, ³Bergamo)
- P31 Integrated neutrophil profiling reveals impaired survival and type I Interferon signature in Dominant-Negative STAT3 Hyper-IgE Syndrome
Filippo Consonni (*University of Brescia, Brescia*), **Laura Dotta**¹, **Mattia Laffranchi**², **Giuseppe Sciumè**², **Elisa Gardiman**³, **Annarosa Soresina**¹, **Nicola Tamassia**³, **Raffaele Badolato**¹ (¹Brescia, ²Rome, ³Verona)



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IMMUNOTHERAPY

- P33 Clinically oriented nanovectors for advancing cancer immunotherapies
Ilaria Elena Palamà (CNR-Institute of Nanotechnology, Lecce), **Gabriele Maiorano**, **Giuseppe Gigli** (Lecce)
- P34 Targeting the Discoidin domain receptor 2 /type I collagen axis to enhance immunotherapy in serous ovarian carcinoma
Martina Kunkl (Sapienza University of Rome, Rome), **Silvia Malatesta**¹, **Flavia Ottavì**¹, **Ilenia Masi**¹, **Manolo Sambucci**^{1,2}, **Virginia Vigiano Benedetti**¹, **Maria Egle De Stefano**¹, **Maria Teresa Fiorillo**¹, **Giovanna Borsellino**¹, **Luca Battistini**¹, **Francesco Spallotta**¹, **Laura Rosanò**¹, **Loretta Tuosto**¹ (¹Rome, ²Genoa)
- P35 Rafoxanide potentiates anti-PD-1 therapy by activating a VDAC1-dependent mtDNA-type I interferon axis in colorectal cancer
Lorenzo Tomassini (University of Rome Tor Vergata, Rome), **Teresa Pacifico**¹, **Mattia Alberto Serra**¹, **Eduardo Maria Sommella**², **Giovanni Monteleone**¹, **Carmine Stolfi**¹, **Federica Laudisi**¹ (¹Rome, ²Salerno)
- P36 Oral plant-derived ENO3PEP vaccination reprograms the tumor microenvironment and delays PDAC progression
Simona Intonti (University of Turin, Turin), **Silvia Brugiapaglia**, **Emanuela Noris**, **Silvia Rotunno**, **Claudia Curcio** (Turin)
- P37 ENO3PEP vaccination potentiates chemotherapy by reprogramming the immunosuppressive microenvironment in pancreatic ductal adenocarcinoma
Silvia Brugiapaglia (University of Turin, Turin), **Simona Intonti**¹, **Ayda Zarechian Soudani**¹, **Ferdinando Spagnolo**², **Claudia Curcio**¹, **Paola Cappello**¹, **Francesco Novelli**¹ (¹Turin, ²Rome)
- P38 Evaluation of the immunomodulatory role of novel A2A adenosine receptor antagonists and anti-PD1 in murine model of breast carcinoma
Virginia Mantia (University of Florence, Florence), **Lucia Bartoli**, **Anna Vanni**, **Giulia Lamacchia**, **Francesca Matani**, **Valentina Cosi Becchi**, **Stefania Francalanci**, **Alessio Mazzoni**, **Tiziano Lottini**, **Irene Rosa**, **Daniele Bani**, **Francesco Liotta**, **Lorenzo Cosmi**, **Flavia Varano**, **Vittoria Colotta**, **Daniela Catarzi**, **Francesco Annunziato**, **Laura Maggi** (Florence)
- P39 Dissecting a dual tumor-suppressive role of microRNA203a in melanoma
Carolina Gaudenzi (University of Brescia, Brescia), **Tiziana Schioppa**, **Gaia Giongrandi**, **Stefania Zini**, **Vittoria Righetti**, **Laura Tiberio**, **Annalisa Del Prete**, **Daniela Bosisio**, **Valentina Salvi** (Brescia)
- P40 Circulating dendritic cell subsets as potential biomarkers of response to immune checkpoint inhibitors
Stefania Zini (University of Brescia, Brescia), **Gaia Giongrandi**¹, **Valentina Salvi**¹, **Carolina Gaudenzi**¹, **Paolo Bossi**², **Daniela Bosisio**¹ (¹Brescia, ²Rozzano)

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- P41 Rewiring granulopoiesis to promote antitumoral neutrophils in colorectal cancer
Raffaella Bonecchi (IRCCS Humanitas Research Hospital, Milan), **Elisa Zaghen**,
Rachele Di Donato, **Elisa Sbolli**, **Lucia Zotti**, (Milan)
- P42 Targeting leukemia-associated macrophages within the B-Cell Acute Lymphoblastic Leukemia bone marrow niche using Chimeric Antigen Receptor-redredirected Cytokine Induced Killer cells
Erica Dander (Tettamanti Center, Fondazione IRCCS San Gerardo dei Tintori, Monza), **Alessandra Fallati**¹, **Jennifer Romagnoli**¹, **Camilla Recordati**²,
Grazia Fazio¹, **Andrea Biondi**¹, **Carmelo Rizzari**¹, **Sarah Tettamanti**¹,
Giovanna D'Amico¹ (¹Monza, ²Milan)
- P43 Phenotypic and functional characterization of NK cell subsets in the bone marrow of neuroblastoma patients: implications for NK cell-mediated immunotherapy
Alessia Ruiba (IRCCS Istituto Giannina Gaslini, Genoa), **Alice Tassistro**¹,
Martina Serra¹, **Martina Morini**¹, **Chiara Vitale**², **Massimo Conte**¹, **Filippo Spreafico**¹,
Stefano Volpi¹, **Laurent Gauthier**², **Vivier Eric**², **Cristina Bottino**¹,
Alessandra Dondero¹, **Roberta Castriconi**¹ (¹Genoa, ²Marseille)
- P44 Halting autoimmune disease progression by the use of regulatory T-Cell derived extracellular vesicles
Kristyna Ruggiero (University of Naples, Naples), **Clorinda Fusco**, **Ilaria Spatocco**,
Giusy De Rosa, **Claudia Russo**, **Claudia La Rocca**, **Fortunata Carbone**,
Alessandra Colamatteo, **Vincenzo Di Marino**, **Michele Costanzo**,
Marianna Caterino, **Claudio Procaccini**, **Giuseppe Matarese**, **Paola de Candia**
(Naples)

MAST CELLS AND GRANULOCYTES

- P45 Effect of anti-IL-5 monoclonal antibody therapy on eosinophil and neutrophil extracellular traps in patients with chronic rhinosinusitis with nasal polyps
Elisa Ferrigno (University of Pisa, Pisa), **Veronica Benassi**, **Francesco Pisani**,
Irene Martelli, **Miriana Picariello**, **Leonardo Zini**, **Barbara Marchini**,
Silvia Manganeli, **Cristina Croia**, **Valentina Pucino**, **Veronica Seccia**,
Ilaria Puxeddu (Pisa)
- P46 Analysis of transcriptional profile of circulating neutrophils from young and elderly donors
Carlo Frigenti (University of Verona, Verona), **Elisa Gardiman**, **Sara Gasperini**,
Nicola Tamassia, **Marco Cassatella**, **Flavia Bazzoni** (Verona)



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METABOLISM

- P47 Effects of intermittent hypoxic training on the health and mitochondrial metabolism of non-professional athletes
Valentina Selleri (University of Modena and Reggio Emilia, Modena), **Roberta D'Alisera**¹, **Giorgia Sinigaglia**¹, **Giada Zanini**¹, **Giulia Micheloni**¹, **Francesca Paone**¹, **Sara Verucchi**¹, **Gustavo Savino**¹, **Tommaso Trenti**¹, **Tommaso Fasano**¹, **Anna Vittoria Mattioli**², **Marcello Pinti**^{1,2}, **Milena Nasi**¹ (¹Modena, ²Bologna)
- P48 Immunomodulatory impact of systemic Vitamin D deficiency: breakdown of immune tolerance in a Saharan female cohort
Rahmani Amine (Mohamed Boudiaf Public Hospital Establishment, Ouargla), **Belouattar Achouak**, **Benabdellah Aya**, **Chaib Houyem** (Ouargla)

MONOCYTES AND MACROPHAGES

- P50 Spatial and molecular profiling of multinucleated giant macrophages in pancreatic ductal adenocarcinoma
Marika Viatore (University of Milan, Milan), **Rebecca Polidori**¹, **Anna Rita Putignano**¹, **Arturo Bonometti**¹, **Silvia Uccella**¹, **Silvia Bozzarelli**¹, **Gianluca Basso**¹, **Marco Erreni**¹, **Giovanni Capretti**¹, **Vincenzo Corbo**², **Alberto Mantovani**¹, **Massimo Locati**¹, **Federica Marchesi**¹ (¹Milan, ²Verona)
- P52 Targeting the HO-1-ferroptosis axis to reprogram immunosuppressive macrophages and enhance T-Cell activation
Olga Slukinova (University of Padua, Padua), **Giulia Angioni**, **Elena Marinelli**, **Sara Zumerle**, **Susanna Mandruzzato** (Padua)

NK CELLS AND ILC

- P53 μ -opioid receptor expression and degranulation in NK cells in neuropathic pain: a possible role for bergamot polyphenol fraction
Lucia Carmela Passacatini (IRCCS San Raffaele Rome, Rome), **Sara Ilari**¹, **Saverio Nucera**², **Rosamaria Caminiti**², **Valeria Mazza**², **Valentina Malafoglia**¹, **Francesca Oppedisano**², **Jessica Maiuolo**², **Leonardo Lupacchini**¹, **Carlo Tomino**¹, **Claudia Pileggi**², **Vincenzo Mollace**², **Carolina Muscoli**² (¹Rome, ²Catanzaro)

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- P54 HLA-E/NKG2A reprograms Natural Killer cells toward a granzyme K⁺ poorly cytotoxic phenotype in multiple myeloma
Fabiana Drommi (*University of Messina, Messina*), **Alessia Calabrò**¹, **Giacomo Sidoti Migliore**², **Claudia De Pasquale**¹, **Gaetana Pezzino**¹, **Annamaria Petrungaro**¹, **Eugenia Quartarone**¹, **Alessandro Allegra**¹, **Cirino Botta**³, **Stefania Campana**¹ (¹Messina, ²Bethesda, ³Palermo)
- P55 Antibody response to Recombinant Zoster Vaccine and selective perturbation of NK cell compartment in Primary Antibody-Deficient patients
Daniel Cuti (*Sapienza University of Rome, Rome*), **Federica Pulvirenti**, **Cristina Capuano**, **Maurizio Sorice**, **Ombretta Turriziani**, **Marco Iannetta**, **Luigi Coppola**, **Livia Benedetti**, **Giulia Garzi**, **Isabella Quinti**, **Gabriella Palmieri**, **Ricciarda Galandrini** (*Rome*)
- P56 Type 1 innate lymphocytes are critical mediators of protection in colorectal cancer
Arianna Maria Candelotti (*University of Rome, Rome*), **Giuseppe Pietropaolo**^{1,2}, **Giordana Garzillo**¹, **Sara Bartolini**¹, **Gianluca Scarno**³, **Mattia Laffranchi**¹, **Francesca Sozio**¹, **Cinzia Fionda**¹, **Helena Stabile**¹, **Giovanna Peruzzi**¹, **Christian Vosshenrich**⁴, **Giovanni Bernardini**¹, **Angela Gismondi**¹, **Silvano Sozzani**^{1,2}, **Angela Santoni**^{1,2}, **Giuseppe Sciumè**¹ (¹Rome, ²Pozzilli, ³New York, ⁴Paris)
- P57 Unraveling the role of Bone Morphogenetic Protein 4 in immunomodulation of Natural Killer lymphocytes
Alessandra Loda (*University of Brescia, Brescia*), **Greta Mutti**¹, **Matteo Rossignoli**¹, **Nicole Carletti**¹, **Francesco Semeraro**¹, **Giovanna Tabellini**¹, **Roberto Ronca**^{1,2}, **Silvia Parolini**^{1,2,3}, **Sara Rezzola**¹ (¹Brescia, ²Trieste, ³Padua)
- P58 Efficient CRISPR-Cas9 RNP genome editing in primary murine ILC2
Sara Bartolini (*Sapienza University of Rome, Rome*), **Arianna Maria Candelotti**¹, **Giordana Garzillo**¹, **Giuseppe Sciumè**¹, **Giuseppe Pietropaolo**^{1,2} (¹Rome, ²Pozzilli)
- P59 Perturbation of NK Cell Functions by Targeting STATs
Giordana Garzillo (*Istituto Pasteur Italia, Fondazione Cenci Bolognetti, Rome*), **Sara Bartolini**¹, **Arianna Maria Candelotti**¹, **Giuseppe Pietropaolo**², **Bianca L. Cinicola**¹, **Elisa Gardiman**³, **Cinzia Fionda**¹, **Helena Stabile**¹, **Mattia Laffranchi**¹, **Anna Maria Zicari**¹, **Raffaele Badolato**⁴, **Silvano Sozzani**¹, **Nicola Tamassia**³, **Giuseppe Sciumè**¹ (¹Rome, ²Pozzilli, ³Verona, ⁴Brescia)



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AULA MAGNA

MUCOSAL IMMUNOLOGY AND THE MICROBIOTA

- P60 Iron-sequestration prevents dysbiosis and intestinal inflammation
Marcello Chieppa (*University of Salento, Lecce*), **Alessandro Miraglia**¹,
Marianna Kashyrina¹, **Francesco Broccolo**¹, **Francesco Calabrese**²,
Diana Vardanyan², **Maria De Angelis**², **Angelo Santino**¹ (¹Lecce, ²Bari)
- P61 Characterization of nasal virus-specific T cell responses in immunocompromised patients
Sabrina Ottolini (*Fondazione IRCCS Policlinico San Matteo, Pavia*),
Stefania Mantovani¹, **Barbara Oliviero**¹, **Paolo Pedrazzoli**¹, **Angioletta Lasagna**¹,
Antonio Bertoletti², **Mario Mondelli**¹ (¹Pavia, ²Singapore)
- P62 Disruption of the microbiota-immune axis by mixed nano- and microplastic exposure in C57BL/6J mice
Giulia Nannini (*University of Florence, Florence*), **Verena Kopatz**, **Sara Bertorello**,
Lukas Kenner, **Amedeo Amedei** (*Vienna*)
- P63 Atypical chemokine receptor CCRL2 as a functional gatekeeper in intestinal inflammation and epithelial barrier function
Francesca Sozio (*Sapienza University of Rome, Rome*), **Tiziana Schioppa**¹,
Cinzia Fionda¹, **Giuseppe Pietropaolo**¹, **Maha Wehbe**¹, **Mattia Laffranchi**¹,
Lorenzo Evangelista¹, **Annalisa Del Prete**², **Silvano Sozzani**¹ (¹Rome, ²Brescia)

OTHER TOPICS

- P64 The Pala single cell sorter enables high-throughput iPSC engineering and preserves colony stemness and viability
Fabrizio Rinaldi (*R&D Systems, San Jose*), **Bhamini Purandare**,
Surashree Kulkarni, **Ryan McComb**, **Francisco Ramirez** (*San Jose*)
- P65 Mapping brain activation in response to peripheral immune challenge
Alessia Manca (*San Raffaele Scientific Institute, Milan*), **Andrea Cugurra**,
Pietro Delfino, **Fabio Tosi**, **Matteo Iannacone** (*Milan*)
- P66 Interaction of different Lipid Nanoparticles formulations with immune cells
Stefania Francalanci (*University of Florence, Florence*), **Laura Conti**,
Manuela Capone, **Laura Maggi**, **Giulia Lamacchia**, **Marco Marradi**,
Costanza Montis, **Alessio Mazzoni**, **Francesca Matani**, **Valentina Cosi Becchi**,
Lucia Bartoli, **Virginia Mantia**, **Anna Vanni**, **Francesco Liotta**, **Lorenzo Cosmi**,
Lorenzo Salvati, **Debora Berti**, **Francesco Annunziato**, (*Florence*)
- P67 CCRL2 role in the regulation of colon epithelial homeostasis
Maha Wehbe (*Sapienza University of Rome, Rome*), **Francesca Sozio**¹,
Cinzia Fionda¹, **Lorenzo Evangelista**¹, **Tiziana Schioppa**², **Annalisa Del Prete**²,
Silvano Sozzani¹ (¹Rome, ²Brescia)

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- P68 Optimizing ADAR1-silencing as a novel immunotherapeutic strategy to boost NK cell responses in Cervical Cancer
Maria Emanuela Greco (*Sapienza University of Rome, Rome*), **Stefano Petrai**, **Francesca Giulimondi**, **Luca Digiaco**, **Giulio Caracciolo**, **Francesca Sozio**, **Giuseppe Pietropaolo**, **Amanda Spahiu**, **Giuseppe Sciumè**, **Silvano Sozzani**, **Cristina Cerboni**, **Alessandra Soriani** (*Rome*)

T AND B LYMPHOCYTES

- P69 Sex-bias immune aging and its interplay with X-inactivation escape genes at single-cell level
Stefania Del Prete (*German Cancer Research Center (DKFZ), Heidelberg*)
- P70 Identification of Novel T-cell Targets for a SARS-CoV-2 and Pan-coronavirus Vaccination
Ruby Fell (*University of Birmingham, Birmingham*), **Tracey Haigh**, **Graham Taylor**, **Heather Long** (*Birmingham*)
- P71 Regulation of cytotoxic functions of CD4⁺ effector and regulatory T cells by Natural killer cell receptors
Yasmin Vahidi (*Fondazione Istituto Nazionale Genetica Molecolare, Milan*), **Camilla Righetti**, **Petra Dad'ová**, **Chiara Vasco**, **Jens Geginat** (*Milan*)
- P72 Ectopic neurogranin expression in CD8⁺ T cells drives intrahepatic dysfunction
Gilberto Eschillo (*University Vita-Salute San Raffaele, Milan*), **Francesco Iannucci**, **Chiara Perucchini**, **Pietro Di Lucia**, **Francesco Andreatta**, **Matteo Iannacone** (*Milan*)
- P73 Omalizumab and dupilumab differentially modulate follicular helper T and regulatory B cells in severe allergic asthma
Bruna Sabbatino (*University of Siena, Siena*), **Caterina Silvestrini**, **Beatrice Perea**, **Tommaso Pianigiani**, **Elena Bargagli**, **Paolo Cameli**, **Laura Bergantini** (*Siena*)
- P74 Metabolic and immune signatures associate with rejection and tolerance in lung transplantation
Giulia Micheloni (*University of Modena and Reggio Emilia, Modena*), **Giada Zanini¹**, **Valentina Selleri¹**, **Giorgia Sinigaglia¹**, **Francesca Paone¹**, **Sara Verucchi¹**, **Ilaria Righi²**, **Milena Nasi¹**, **Marcello Pinti¹** (*¹Modena, ²Milan*)
- P76 B-1 innate-like human B cells: developmental origins and tissue distribution
Chiara Sugoni (*Bambino Gesù Children Hospital, Rome*), **Maria Giulia Conti**, **Christian Albano**, **Eva Piano Mortari**, **Rita Carsetti** (*Rome*)



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- P77 Phenotypical and functional characterization of cytokine-producing Regulatory T cells in colorectal cancer
Ilenia Pacella (*Sapienza University of Rome, Rome*),
Alessandra Pinzon Grimaldos¹, **Giordana Garzillo**¹, **Giuseppe Pietropaolo**^{1,2},
Giuseppe Sciumè¹, **Immacolata Iannone**¹, **Daniele Crocetti**¹, **Sapienza Paolo**¹,
Silvia Piconese¹ (¹Rome, ²Pozzilli)
- P78 Immuno-antigenic deciphering of Pre-eclampsia
Marinos Kallikourdis (*Humanitas Research Hospital, Milan*),
Vasiliki Papadopoulou (*Milan*)

TRANSLATIONAL IMMUNOLOGY

- P79 BRD4 as a key modulator of IL-13RA2⁺ inflammatory fibroblasts in inflammatory bowel disease
Rachele Frascatani (*University of Tor Vergata, Rome*), **Mattia Alberto Serra**,
Andrea Iannucci, **Marco Colella**, **Claudia Maresca**, **Irene Marafini**, **Elisabetta Loli**,
Andrea Divizia, **Giuseppe Sigismondo Sica**, **Giovanni Monteleone**¹ (*Rome*)
- P80 Invasive fungal infections and targeted therapies in chronic lymphocytic leukemia
Sara Alhihi (*University of Perugia, Perugia*), **Giorgia Renga**¹, **Daniele Sorcini**¹,
Filomena De Falco¹, **Laura Mariano**¹, **Gianluca Vascelli**¹, **Alessia Sulla**¹,
Francesca Orlando¹, **Arianna Stella**¹, **Luigi Mari**², **Martina Bordoni**¹, **Thomas Easter**³,
Douglas Green², **Margherita Bertuzzi**³, **Francesco Grignani**¹, **Chiara Brachelente**¹,
Arcangelo Liso¹, **Paolo Sportoletti**¹, **Teresa Zelante**¹, **Vasileios Oikonomou**¹
(¹Perugia, ²Memphis, ³Manchester)
- P81 Differential modulation of regulatory T cells by interleukin-33 in acute rejection and chronic lung allograft dysfunction
Sara Biancucci (*University of Siena, Siena*), **Bruna Sabbatino**, **Irene Paggi**,
Marco Guerrieri, **Paolo Cameli**, **Elena Bargagli**, **Laura Bergantini** (*Siena*)
- P82 Harnessing tetraspanins: a first-in-class anti-MS4A4A antibody stimulates NK degranulation against M2 macrophages
Serena Indino (*IRCCS Humanitas Research Hospital, Milan*), **Benedetta Savino**¹,
Francesca Cersosimo¹, **Elena Borroni**¹, **Marina Sironi**¹, **Barbara Bottazzi**¹,
Alberto Mantovani^{1,2,3}, **Massimo Locati** (*1Milan, 2Pieve Emanuele, 3London*)
- P83 Plasma IL-18 associates with impaired monocyte antibacterial function in non-small cell lung cancer
Gina Memoli (*University of Naples Federico II, Naples*), **Francesco Palestra**,
Noemi Maria Giorgiano, **Leonardo Cristinziano**, **Anne Lise Ferrara**,
Gilda Varricchi, **Gianni Marone**, **Alfonso Fiorelli**, **Stefania Loffredo** (*Naples*)

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- P84 Endothelial hyper-responsiveness to physiological estradiol fluctuations in women with hereditary angioedema
Francesco Palestra (University of Naples Federico II, Naples), **Riccardo Senter**², **Paola Triggianese**³, **Francesca Cedola**³, **Francesca Chiereghin**³, **Roberta Gatti**¹, **Davide Firinu**⁴, **Mauro Cancian**², **Stefania Loffredo**¹
(¹Naples, ²Padua, ³Rome, ⁴Cagliari)
- P85 High-dose intravenous immunoglobulin restores immune homeostasis in Long COVID: insights from longitudinal immunomonitoring
Eva Piano Mortari (Bambino Gesù Children Hospital, Rome), **Marta Camici**, **Giulia Del Duca**, **Eleonora Cimini**, **Veronica Bordonì**, **Valentina Mazzotta**, **Chiara De Ponte**, **Ilaria Mastroi Rosa**, **Stefania Mazzotta**, **Carmela Pinnetti**, **Stefania Notari**, **Simona Gili**, **Giusi Prencipe**, **Fabrizio Maggi**, **Rita Carsetti**, **Enrico Girdardi**, **Andrea Antinori**, **Chiara Agrati** (Rome)
- P86 High-parameter spectral phenotyping of platelets in familial chylomicronemia syndrome
Annamaria Sabetta (Sapienza University of Rome, Rome), **Daniele Tramontano**, **Francesca Maiorca**, **Valeria Raparelli**, **Stefania Basili**, **Marcello Arca**, **Laura D'erasmo**, **Lucia Stefanini** (Rome)
- P87 Metabolic reprogramming by oxidized lipids drives platelet dysfunction in metabolic dysfunction-associated steatotic liver disease
Francesca Maiorca (Sapienza University of Rome, Rome), **Annamaria Sabetta**, **Tania D'Amico**, **Marzia Miglionico**, **Stefania Basili**, **Lucia Stefanini** (Rome)
- P88 LINE1 RNA as a novel therapeutic target for T cell dysfunction in cancer and ageing
Rebecca Vadalà (INGM Istituto Nazionale Genetica Molecolare, Milan), **Filippo Burattin**², **Michele Panepuccia**¹, **Valeria Ranzani**¹, **Mariacristina Crosti**¹, **Federico Colombo**¹, **Cristina Ruberti**¹, **Elisa Erba**¹, **Daniele Prati**¹, **Teresa Nittoli**¹, **Giovanni Montini**¹, **Andrea Ronchi**¹, **Lorenza Pagni**¹, **Fabio Mosca**¹, **Sara Ricciardi**¹, **Sergio Abrignani**¹, **Carlo Pietrasanta**¹, **Federica Marasca**¹, **Beatrice Bodega**¹
(¹Milan, ²Zurigo)

TUMOR IMMUNOLOGY

- P89 Exploiting the ferroptotic vulnerability of malignant pleural mesothelioma to prime the immune microenvironment
Gaia Cassinari (University of Piemonte Orientale "Amedeo Avogadro", Novara), **Martina Delsignore**, **Emanuele Ferrario**, **Elena Montana Lampo**, **Mara Gagliardi**, **Marco Corazzari**, **Chiara Porta** (Novara)



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- P90 Innate immune alterations in bladder cancer: evidence of NK cell dysfunction and monocyte reprogramming
Lorenzo Mortara (*University of Insubria, Varese*), **Anna Di Spirito**, **Sara Baldini**, **Sara Ferraris**, **Marco Negrato**, **Annalisa Carabelli**, **Samantha Zorzella**, **Francesca Franzi**, **Graziana Famoso**, **Federico Dehò**, **Paolo Capogrosso**, **Stefano La Rosa** (*Varese*)
- P91 Lipid-loaded macrophages promote tumor fibrosis and immunotherapy resistance in melanoma
Antonella Lauriola (*IRCCS Humanitas Research Hospital, Milan*), **Marta Pandini**, **Greta Meregalli**, **Giulia Marelli**, **Federica Portale**, **Gianluca Basso**, **Desiree Giuliano**, **Gabriele De Simone**, **Chiara Camisachi**, **Divya Mishra**, **Diletta Di Mitri** (*Milan*)
- P92 Release of tumor antigens drives systemic immune evasion through hepatocyte cross-presentation
Giulia Buccarello (*IRCCS San Raffaele Hospital, Milan*), **Giovanna Giacca**¹, **Chiara Bresesti**¹, **Sara Breggion**¹, **Marco Notaro**¹, **Eleonora Carito**¹, **Michela Milani**¹, **Alessia Potenza**¹, **Eliana Ruggiero**¹, **Francesco Andreatta**¹, **Alessio Cantore**¹, **Matteo Iannacone**¹, **Chiara Bonini**¹, **Luigi Naldini**¹, **Vincenzo Cerullo**², **Mario Squadrito**¹ (¹*Milan*, ²*Helsinki*)
- P93 Immunological characterization of the tumor microenvironment in Non-Muscle Invasive Bladder Cancer: preliminary analysis of T lymphocyte populations and immune checkpoints
Sara Grasso (*University of Florence, Florence*), **Francesco Vannucci**¹, **Beatrice Giustozzi**¹, **Giulia Carli**¹, **Neliana Kucuku**¹, **Andrea Minervini**¹, **Andrea Mari**¹, **Elena Niccolai**¹, **Daniela Fenoglio**², **Gilberto Filaci**², **Amedeo Amedei**¹ (¹*Milan*, ²*Genoa*)
- P94 Unveiling the role of lipid-loaded macrophages in cancer
Alessia Carcassola (*IRCCS San Raffaele Hospital, Milan*), **Elisabetta Diana**, **Paolo Favuzzi**, **Divya Mishra**, **Chiara Camisachi**, **Ilaria Montali**, **Gianluca Basso**, **Desiree Giuliano**, **Giulia Marelli**, **Diletta Di Mitri** (*Milan*)
- P95 Investigating B cells in the immune landscape of high-grade serous ovarian cancer
Eleonora Capezzali (*University of Udine, Udine*), **Martina Arcieri**, **Silvia Tonon**, **Viviana Valeri**, **Carolina Ricci**, **Matteo Pivetta**, **Alessandro Mangogna**, **Stefano Restaino**, **Maria Orsaria**, **Laura Mariuzzi** (*Udine*)
- P96 Single-cell RNA profiling of mature polymorphonuclear-myeloid-derived suppressor cells and tumor-associated neutrophils from cancer patients
Chiara Lattanzi (*University of Verona, Verona*), **Francisco Miguel Angel Bianchetto Aguilera**¹, **Marta Donini**¹, **Francesca Pettinella**¹, **Monica Castellucci**¹, **Sara Gasperini**¹, **Elena Caveggion**¹, **Ilaria Signoretto**¹, **Maurizio Cantini**¹, **Sara Pilotto**¹, **Sven Brandau**², **Nicola Tamassia**¹, **Marco Cassatella**¹, **Patrizia Scapini**¹ (¹*Verona*, ²*Essen*)

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- P97 Implementation of Patient-derived Tumor Explant 3D-model to Assess the Efficacy of Novel Therapies
Francesca Simoncello (IFOM, Milan), **Carolina Dossena**¹, **Lorenzo Drufuca**¹, **Mattia Toninelli**¹, **Grazisa Rossetti**¹, **Andrea Sartore-Bianchi**¹, **Salvatore Siena**¹, **Giancarlo Prunerì**¹, **Claudio Vernieri**¹, **Michael Barnes**², **Massimiliano Pagani**¹ (¹Milan, ²Seattle)
- P98 Zinc finger E-box Binding homebox 1 restrains stress-induced antigen presentation and shapes immune escape in Acute Myeloid Leukemia
Greta Cascetta (Fondazione IRCCS Istituto Nazionale Tumori, Milan), **Matteo Claudio Da Vià**, **Valentina Imperioso**, **Francesca Lazzaroni**, **Emanuele Calvi**, **Paola Portararo**, **Laura Botti**, **Niccolò Bolli**, **Sabina Sangaletti** (Milan)
- P99 FcγRIIIA (CD16)+CD8+ T cells emerging following mRNA vaccination for COVID-19 accumulate in human colorectal cancer
Alessia Calabrò (University of Messina, Messina), **Claudia De Pasquale**¹, **Fabiana Drommi**¹, **Paola Orecchia**², **Elisa Pilot**², **Cirino Botta**³, **Jose Freni**¹, **Irene Bonaccorsi**¹, **Paolo Carrega**¹, **Riccardo Cavaliere**¹, **Massimo Vitale**², **Stefania Nigro**¹, **Giuseppe Navarra**¹, **Guido Ferlazzo**², **Stefania Campana**¹ (¹Messina, ²Genoa, ³Palermo)
- P100 Linking histone lactylation to the epigenetic reprogramming of CD4+ T regulatory lymphocytes in the tumor ecosystem
Anna Beneggi (IFOM, Milan), **Lorenzo Drufuca**, **Carolina Dossena**, **Francesca Simoncello**, **Mattia Toninelli**, **Michele Gambirasio**, **Tiziana Bonaldi**, **Roberta Noberini**, **Alessandro Vai**, **Claudio Tripodo**, **Grazisa Rossetti**, **Massimiliano Pagani** (Milan)
- P101 HSP70-driven cytoskeletal remodeling and metalloproteinase activation enhance cancer cell invasiveness
Tamara Gulic (Department of Physiology and Immunology, Rijeka)
- P103 Inflammatory hyperactivation is uncoupled from antibacterial effector function in non-small cell lung cancer
Francesco Palestra (University of Naples Federico II, Naples), **Gina Memoli**, **Noemi Maria Giorgiano**, **Leonardo Cristinziano**, **Anne Lise Ferrara**, **Remo Poto**, **Annagioia Ventrici**, **Maria Rosaria Galdiero**, **Gilda Varricchi**, **Gianni Marone**, **Alfonso Fiorelli**, **Stefania Loffredo** (Naples)
- P104 Role of cancer-associated fibroblasts in pancreatic adenocarcinoma progression through the modulation of neutrophil pro-tumoral activity
Elena Lo Presti (Institute for Biomedical Research and Innovation-IRIB, Palermo), **Daniele Guglielmini**¹, **Sara De Martino**², **Luca Cis**², **Roberto Di Mitri**¹, **Michele Amata**¹, **Andrea De Gaetano**¹, **Antonella Farsetti**² (¹Palermo, ²Rome)



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- P105 Eosinophil trogocytosis of tumor-derived PD-1 via the PD-L1/CD11b/CD18: a potential mechanism of resistance to PD-1 immunotherapy
Francesco Noto¹, Sara Andreone¹, Francesca Spadaro¹, Adriana Rosa Gambardella¹, Alessia Fiore¹, Iole Macchia¹, Lucrezia Gambardella¹, Valentina Tirelli¹, Davide Vacca², Valentina Pellerito², Claudio Tripodo², Paola Matarrese¹, Fabrizio Mattei¹, Giovanna Schiavoni¹ (¹Rome, ²Palermo)
- P106 5-ALA-dye assisted surgery reveals inhibitory, layer-specific, immune cells transcriptional profile and an enrichment of tumor Granzyme K⁺ T and NK cells
Laura Maggi (*University of Florence, Florence*), **Anna Vanni, Samuele Suraci, Roberto Semeraro, Camilla Bonaudo, Giulia Lamacchia, Francesca Matani, Lucia Bartoli, Valentina Cosi Becchi, Stefania Francalanci, Virginia Mantia, Manuela Capone, Alessio Mazzoni, Alberto Magi, Lorenzo Cosmi, Francesco Liotta, Alessandro Della Puppa, Francesco Annunziato** (*Florence*)
- P107 Chemerin orchestrates spatially defined CAF-macrophage niches in lung tumors
Eleonora Bonanni (*Sapienza University of Rome, Rome*), **Miriam Turchetti, Maha Wehbe, Lorenzo Evangelista, Francesca Sozio, Silvano Sozzani, Mattia Laffranchi** (*Rome*)
- P108 HPV-specific T cell responses and tumor microenvironment characterization in head and neck squamous cell carcinoma
Gisella Guerrera (*Santa Lucia Foundation IRCCS, Rome*), **Marta Pirronello², Eleonora Timperi², Flaminia Campo², Antonello Vidiri², Benedetta Contu², Daniela Angelini², Luca Battistini², Raul Pellini², Maria Rosaria Galdiero¹, Giovanna Borsellino²** (¹Naples, ²Rome)
- P109 Sex differences in allergic asthma-driven airway inflammation and lung cancer susceptibility
Giovanna Schiavoni (*Istituto Superiore di Sanità, Rome*), **Alessia Fiore¹, Adriana Rosa Gambardella¹, Adele Maria Polzonetti¹, Maria Elena Pisanu¹, Gaia Fortunato¹, Daniele Macchia¹, Massimo Spada¹, Donatella Pietraforte¹, Stefania Rossi¹, Francesca Spadaro¹, Maria Carollo¹, Ranieri Verin², Paola Matarrese¹, Mattea Chirico¹, Egidio Iorio¹, Claudia Afferni¹, Fabrizio Mattei¹** (¹Rome, ²Pisa)
- P110 Ex-vivo induced lung tumor organoids co-culture system to study the crosstalk between alveolar macrophages and lung cancer cells at early stages of tumorigenesis
Emma Dalla Mora (*International Centre for Genetic Engineering and Biotechnology, Trieste*), **Giulia Maria Piperno, Lucia Lopez, Federica Benvenuti** (*Trieste*)
- P111 $\gamma\delta$ T cells mediate antitumor immunity and tertiary lymphoid structure organization in colorectal cancer
Salvatore Marchifava (*University of Palermo, Palermo*), **Claudia Avellone, Marta Di Simone, Anna Maria Corsale, Costanza Dieli, Andrea Romano, Cirino Botta, Francesco Dieli, Serena Meraviglia** (*Palermo*)

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- P112 Transforming Growth Factor β drives Natural Killer Cell reprogramming and impairs antitumor immunity in primary Uveal Melanoma
Matteo Rossignoli (*University of Brescia, Brescia*), **Greta Mutti**¹, **Alessandra Loda**¹, **Cosetta Ravelli**¹, **Chiara Tobia**¹, **Mattia Bugatti**¹, **Martina Benedetti**¹, **Nicole Carletti**¹, **Francesco Semeraro**¹, **Willian Vermi**¹, **Roberto Ronca**^{1,2}, **Giovanna Tabellini**¹, **Silvia Parolini**^{1,2,3}, **Sara Rezzola**¹ (¹Brescia, ²Trieste, ³Padua)
- P113 Impact of radiotherapy on circulating immune cell subsets in oropharyngeal HNSCC
Gaia Giongrandi (*University of Brescia, Brescia*), **Stefania Zini**¹, **Carolina Gaudenzi**¹, **Valentina Salvi**¹, **Paolo Bossi**², **Daniela Bosisio**¹ (¹Brescia, ²Milan)
- P114 The role of hMENA in shaping extracellular matrix properties and anti-tumour immune response in Non-Small Cell Lung Cancer
Paola Nisticò (*Tumor Immunology and Immunotherapy Unit, IRCCS Regina Elena National Cancer Institute, Rome*), **Nicla Porciello**¹, **Lorenzo Valenti**¹, **Anna Di Carlo**¹, **Annalisa Tocci**¹, **Belinda Palermo**¹, **Manuela Rosado**¹, **Lorenzo D' Ambrosio**¹, **Sebastiano Vaccarella**¹, **Alessandra Passeri**², **Giulia Campo**¹, **Filippo Gallina**¹, **Silvia Caponi**², **Francesca Di Modugno**¹ (¹Rome, ²Perugia)
- P115 Immunomodulation of $\gamma\delta$ T cells in glioblastoma multiforme
Costanza Dieli (*University of Palermo, Palermo*), **Roberta Costanzo**, **Anna Maria Corsale**, **Claudia Avellone**, **Gerardo Iacopino**, **Marta Di Simone**, **Francesco Dieli**, **Federica Paolini**, **Salvatore Marchiafava**, **Rosario Maugeri**, **Serena Meraviglia** (*Palermo*)

VACCINES

- P116 Discriminating maternal and infant immune responses in early life using quantitative antigen-specific Fc glycosylation profiling
Francesca D'Ambrosio (*Sapienza University of Rome, Rome*), **Giacomo Vezzani**², **Silvano Sozzani**¹, **Rita Carsetti**¹, **Omar Rossi**², **Francesca Mancini**² (¹Rome, ²Siena)
- P117 Single-cell transcriptional profiling of antigen-specific T effector and regulatory cells reveals divergent immune signatures in hybrid versus vaccine-induced immunity
Giulia Lamacchia (*University of Florence, Florence*), **Anna Vanni**, **Alessio Mazzoni**, **Laura Maggi**, **Francesca Matani Lucia Bartoli**, **Valentina Cosi Becchi**, **Samuele Suraci**, **Stefania Francalanci**, **Virginia Mantia**, **Roberto Semeraro**, **Francesco Annunziato**, **Francesco Liotta**, **Lorenzo Cosmi**, **Alessandro Bartoloni**, **Lorenzo Salvati**, **Alberto Magi**, **Manuela Capone** (*Florence*)

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