

SIICA 2025

XV

National Congress



Società Italiana di Immunologia  
Immunologia Clinica e Allergologia

June 17-20, 2025

**PERUGIA**

**PRELIMINARY PROGRAMME**





## TUESDAY, JUNE 17, 2025

### AUDITORIUM DI SAN FRANCESCO AL PRATO

**13:00** Registration of participants  
**15:30**

**15:30** **JOINT SYMPOSIUM SIICA-SIAAIC**  
**17:10** **IMMUNITY AT THE EPITHELIAL BARRIERS**

Chairs: **Francesco Annunziato** (*University of Florence, Florence*),  
**Vincenzo Patella** (*University of Naples Federico II, Naples*)

**15:30** Innate lymphocytes in intestinal inflammation and cancer  
**Giuseppe Sciumè** (*Sapienza University of Rome, Rome*)

**15:50** Discussion

**15:55** Title to be defined  
**Carlo Pucillo** (*University of Udine, Udine*)

**16:15** Discussion

**16:20** Type 2 biologicals and eosinophils: a step forward precision medicine  
**Alessandra Vultaggio** (*University of Florence, Florence*)

**16:40** Discussion

**16:45** Title to be defined  
**Laura Bonzano** (*University of Genoa, Genoa*)

**17:05** Discussion

**17:10** **KEYNOTE LECTURE 1**  
**18:00** **EFIS LECTURE**

Chairs: **Massimo Locati** (*University of Milan, Milan*),  
**Eleonora Timperi** (*Università Cattolica del Sacro Cuore, Rome*)

**17:10** Neuroimmune regulation: from molecular mechanisms to  
therapeutic perspectives  
**Sophie Ugolini** (*Marseille - F*)

**17:50** Discussion

**18:00** **OPENING CEREMONY**  
**19:00**

TUESDAY, JUNE 17, 2025

## WEDNESDAY, JUNE 18, 2025

## PLENARIA HOTEL GIÒ

## 08:30 WORKSHOP 1 - TUMOR IMMUNOLOGY 1

09:30

Chairs: **Renato Ostuni** (*IRCCS San Raffaele Scientific Institute, Milan*),  
**Eleonora Timperi** (*Università Cattolica del Sacro Cuore, Rome*)

08:30

Mast cells may contribute to recalling B cells in the colorectal cancer milieu

**Viviana Valeri** (*University of Udine, Udine*), **Eleonora Martinis**, **Silvia Tonon**, **Eleonora Capezzali**, **Matteo Pivetta**, **Barbara Frossi**, **Carlo Pucillo** (*Udine*)

08:42

Decitabine and IL-33/ST2 axis cooperate against melanoma through remodeling the tumor microenvironment to overcome resistance to PD-1 blockade

**Fabrizio Mattei** (*Istituto Superiore di Sanità, Rome*),  
**Francesco Noto**<sup>1,2,3</sup>, **Jacopo Mancini**<sup>1</sup>, **Adriana Rosa Gambardella**<sup>1</sup>,  
**Christina Curcio**<sup>1</sup>, **Adele De Ninno**<sup>1</sup>, **Sara Andreone**<sup>1</sup>, **Carla Buccione**<sup>1</sup>,  
**Maria Teresa D' Urso**<sup>1</sup>, **Daniele Macchia**<sup>1</sup>, **Anna Maria Pacca**<sup>1</sup>,  
**Massimo Spada**<sup>1</sup>, **Luca Businaro**<sup>1</sup>, **Claudia Afferni**<sup>1</sup>, **Giovanna Schiavoni**<sup>1</sup> (*<sup>1</sup>Rome, <sup>2</sup>Naples, <sup>3</sup>Singapore - SGP*)

08:54

In silico and in vitro evaluation of the role of bone marrow-derived CD8+ tissue-resident memory cells in multiple myeloma disease

**Marco Pio La Manna** (*University of Palermo, Palermo*), **Mojtaba Shekarkar Azgomi**<sup>2</sup>,  
**Cirino Botta**<sup>1</sup>, **Giusto Davide Badami**<sup>1</sup>, **Mahsa Rafieiyani**<sup>1</sup>,  
**Francesco Dieli**<sup>1</sup>, **Nadia Caccamo**<sup>1</sup> (*<sup>1</sup>Palermo, <sup>2</sup>Lille - F*)

09:06

Granulocyte-macrophage colony-stimulating factor-producing ROR $\gamma$ t+ Group 3 innate lymphoid cells accumulate in human colorectal cancer and correlate with tertiary lymphoid structure-associated cell types

**Alessia Calabrò** (*University of Messina, Messina*), **Stefania Campana**<sup>1</sup>,  
**Fabiana Drommi**<sup>1</sup>, **Gaetana Pezzino**<sup>1</sup>, **Riccardo Cavaliere**<sup>1</sup>,  
**Gregorio Costa**<sup>1</sup>, **Paola Orecchia**<sup>2</sup>, **Paolo Carrega**<sup>1</sup>, **Irene Bonaccorsi**<sup>1</sup>,  
**Guido Ferlazzo**<sup>2</sup>, **Claudia De Pasquale**<sup>1</sup>, (*<sup>1</sup>Messina, <sup>2</sup>Genoa*)



## WEDNESDAY, JUNE 18, 2025

### PLENARIA HOTEL GIÒ

#### 08:30 WORKSHOP 1 - TUMOR IMMUNOLOGY 1 (cont.) 09:30

09:18 Aryl hydrocarbon receptor-mediated immune suppression in soft tissue sarcomas: implications for conventional dendritic cell subset T-mediated antitumor immunity

**Estevao Carlos Silva Barcelos** (University of Perugia, Perugia),  
**Andrea Marra**<sup>2</sup>, **Giorgia Manni**<sup>1</sup>, **Alessandro Pinzi**<sup>1</sup>, **Doriana Ricciuti**<sup>1</sup>,  
**Giulia Mencarelli**<sup>1</sup>, **Francesco Sarnari**<sup>1</sup>, **Benedetta Pieroni**<sup>1</sup>, **Giulia Scalisi**<sup>3</sup>,  
**Giada Mondanelli**<sup>1</sup>, **Martina Mandarano**<sup>1</sup>, **Angelo Sidoni**<sup>1</sup>, **Antonio Macchiarulo**<sup>1</sup>,  
**Kenneth M Murphy**<sup>4</sup>, **Francesca Fallarino**<sup>1</sup>, **Marco Gargaro**<sup>1</sup> (<sup>1</sup>Perugia, <sup>2</sup>Rome, <sup>3</sup>Evry - France, <sup>4</sup>St. Louis - USA)

### TRUMPET 1

#### 08:30 WORKSHOP 2 09:30 IMMUNE RESPONSE TO PATHOGENS 1

Chairs: **Andrea Cossarizza** (University of Modena and Reggio Emilia, Modena),  
**Valeria Fumagalli** (Vita-Salute San Raffaele University, Milan)

08:30 Modeling the dynamics of long-lasting antibody responses: insights into persistence and variability following infection and vaccination  
**Antonella Priso** (Institute of Genetics and Biophysics CNR, Naples),  
**Luca Pugliese**<sup>1</sup>, **Enrico Mastrostefano**<sup>2</sup>, **Giovanni Messuti**<sup>3</sup>, **Paola Stolfi**<sup>2</sup>,  
**Francesca Pelusi**<sup>2</sup>, **Filippo Castiglione**<sup>4</sup>, **Silvia Scarpetta**<sup>3</sup>,  
(<sup>1</sup>Naples, <sup>2</sup>Rome, <sup>3</sup>Salerno, <sup>4</sup>Abu Dhabi - UAE)

08:42 Neutrophils specific CCRL2 genetic variants contributes to COVID-19 severity  
**Mattia Laffranchi** (Sapienza University of Rome, Rome), **Elvezia Paraboschi**<sup>2</sup>,  
**Francisco Miguel Angel Bianchetto Aguilera**<sup>3</sup>, **Nicola Tamassia**<sup>3</sup>, **Sara Gasperini**<sup>3</sup>, **Elisa Gardiman**<sup>3</sup>, **Arianna Piserà**<sup>1</sup>,  
**Annalisa Del Prete**<sup>2,4</sup>, **Pietro Invernizzi**<sup>2</sup>, **Angela Gismondi**<sup>1</sup>, **Alberto Mantovani**<sup>2</sup>,  
**Marco Cassatella**<sup>3</sup>, **Rosanna Asselta**<sup>2</sup>, **Silvano Sozzani**<sup>1</sup> (<sup>1</sup>Rome, <sup>2</sup>Milan, <sup>3</sup>Verona, <sup>4</sup>Brescia)

08:54 Altered miRNAome impacts on immune responses, inflammatory processes and tissue repair in children affected by long COVID  
**Gabriele Di Sante** (University of Perugia, Perugia), **Michela Sali**<sup>2</sup>,  
**Maria del Carmen Pereyra Boza**<sup>2</sup>, **Anna Maria Stabile**<sup>1</sup>, **Alessandra Pistilli**<sup>1</sup>,  
**Mariangela Ruggirello**<sup>1</sup>, **Mario Rende**<sup>1</sup>, **Francesco Ria**<sup>1</sup>, **Danilo Buonsenso**<sup>1</sup> (<sup>1</sup>Perugia, <sup>2</sup>Rome)

## WEDNESDAY, JUNE 18, 2025

## TRUMPET 1

**08:30** WORKSHOP 2 (cont.)**09:30** IMMUNE RESPONSE TO PATHOGENS 1

09:06 Different lipopolysaccharide (LPS) acylation patterns modulate hematopoietic progenitor responses and influence infection susceptibility

**Marco Galli** (*University of Milano-Bicocca, Milan*), **Laura Bocchini**, **Giuseppe Rocca**, **Giulia Stucchi**, **Anna Celant**, **Stefano Cozzi**, **Laura Marongiu**, **Alessandra Martorana**, **Alessandra Polissi**, **Metello Enzo Innocenti**, **Francesca Granucci** (*Milan*)

09:18 LINE1 modulate human T cell function by regulating protein synthesis during lifespan

**Federica Marasca** (*INGM Istituto nazionale Genetica Molecolare, Milan*), **Filippo Burattin**, **Rebecca Vadalà**, **Beatrice Bodega** (*Milan*)

## TRUMPET 2

**08:30** WORKSHOP 3**09:30** ERRORS OF IMMUNITY

Chairs: **Maria Rosaria Galdiero** (*University of Naples Federico II, Naples*)  
**Carolina Gaudenzi** (*University of Brescia, Brescia*)

08:30 The role of interferon-gamma in autoimmune polyendocrinopathy syndrome 1

**Vasileios Oikonomou** (*University of Perugia, Perugia*), **Grace Smith**<sup>2</sup>, **Gregory Constantine**<sup>2</sup>, **Monica Schmitt**<sup>2</sup>, **Elise M. N. Ferré**<sup>2</sup>, **Julie Alejo**<sup>2</sup>, **Deanna Riley**<sup>2</sup>, **Brendan D. Snarr**<sup>2</sup>, **Daniel Martin**<sup>2</sup>, **Marine Besnard**<sup>3</sup>, **Chyi-Chia R. Lee**<sup>2</sup>, **Tom Dimaggio**<sup>2</sup>, **Taura Webb**<sup>2</sup>, **Joseph Pechacek**<sup>2</sup>, **Princess Barber**<sup>2</sup>, **Lindsey B. Rosen**<sup>2</sup>, **Adriana A. De Jesus Rasheed**<sup>2</sup>, **Mark S. Anderson**<sup>4</sup>, **Mark Swidergall**<sup>5</sup>, **Carole Guillonneau**<sup>3</sup>, **Luigi Notarangelo**<sup>2</sup>, **Raphaela Goldbach-Mansky**<sup>2</sup>, **Hero Matti**<sup>8</sup>, **Olaf Neth**<sup>7</sup>, **Olov Ekwall**<sup>8</sup>, **Peter Olbrich**<sup>7</sup>, **Karen K. Winer**<sup>2</sup>, **Behdad Afzali**<sup>2</sup>, **Niki M. Moutsopoulos**<sup>2</sup>, **Steven M. Holland**<sup>2</sup>, **Theo Heller**<sup>2</sup>, **Francesco Grignani**<sup>1</sup>, **Stefania Pittaluga**<sup>2</sup>, **Michail Lionakis**<sup>2</sup> (<sup>1</sup>Perugia, <sup>2</sup>Bethesda - USA, <sup>3</sup>Nantes - F, <sup>4</sup>San Francisco - USA, <sup>5</sup>Torrance - USA, <sup>6</sup>Helsinki - FL, <sup>7</sup>Seville - E, <sup>8</sup>Gothenburg - S)



## WEDNESDAY, JUNE 18, 2025

### TRUMPET 2

**08:30** **WORKSHOP 3** (cont.)  
**09:30** **ERRORS OF IMMUNITY**

**08:42** Dissecting the genetic heterogeneity in common variable immunodeficiency: focus on a missense mutation in the CD40L gene  
**Lucia Bartoli** (University of Florence, Florence), **Boaz Palterer**<sup>3</sup>, **Lorenzo Salvati**<sup>1</sup>, **Manuela Capone**<sup>1</sup>, **Laura Maggi**<sup>1</sup>, **Alessio Mazzoni**<sup>1</sup>, **Francesca Matani**<sup>1</sup>, **Anna Vanni**<sup>1</sup>, **Giulia Lamacchia**<sup>1</sup>, **Stefania Francalanci**<sup>1</sup>, **Valentina Cosi Becchi**<sup>1</sup>, **Lorenzo Cosmi**<sup>1</sup>, **Paola Parronchi**<sup>1</sup>, **Alessandro Bartoloni**<sup>1</sup>, **Francesco Annunziato**<sup>1</sup>, **Francesco Liotta**<sup>1</sup> (Florence, <sup>2</sup>Palermo, <sup>3</sup>Boston - USA)

**08:54** Lymphoproliferative disorders and inborn errors of immunity: a model for unraveling signaling pathways targetable by precision therapies  
**Mattia Moratti** (University of Rome Tor Vergata, Rome), **Beatrice Rivalta**<sup>1</sup>, **Antonello Cardoni**<sup>1</sup>, **Riccardo Ciudino**<sup>2</sup>, **Edoardo Muratore**<sup>2</sup>, **Lucia Pacillo**<sup>1</sup>, **Veronica Santilli**<sup>1</sup>, **Silvia Di Cesare**<sup>1</sup>, **Cristina Cifaldi**<sup>1</sup>, **Gigliola Di Matteo**<sup>1</sup>, **Rita De Vito**<sup>2</sup>, **Elena Sabattini**<sup>2</sup>, **Rita Alaggio**<sup>1</sup>, **Francesca Conti**<sup>2</sup>, **Caterina Cancrini**<sup>1</sup> (Rome, <sup>2</sup>Bologna)

**09:06** Human IL12RB1-deficiency reveals essential roles of IL-12 and IL-23 in innate and adaptive immune responses  
**Alessio Mazzoni** (University of Florence, Florence), **Anna Vanni**<sup>1</sup>, **Roberto Semeraro**<sup>1</sup>, **Marta Baragli**<sup>1</sup>, **Lorenzo Salvati**<sup>1</sup>, **Boaz Palterer**<sup>2</sup>, **Jessica Mencarini**<sup>1</sup>, **Manuela Capone**<sup>1</sup>, **Giulia Lamacchia**<sup>1</sup>, **Benedetta Peruzzi**<sup>1</sup>, **Roberto Caporale**<sup>1</sup>, **Sara Bencini**<sup>1</sup>, **Sara Pratesi**<sup>1</sup>, **Lucia Bartoli**<sup>1</sup>, **Francesca Matani**<sup>1</sup>, **Stefania Francalanci**<sup>1</sup>, **Valentina Cosi Becchi**<sup>1</sup>, **Filippo Bartalesi**<sup>1</sup>, **Francesco Liotta**<sup>1</sup>, **Lorenzo Cosmi**<sup>1</sup>, **Alessandro Bartoloni**<sup>1</sup>, **Laura Maggi**<sup>1</sup>, **Paola Parronchi**<sup>1</sup>, **Alberto Magi**<sup>1</sup>, **Francesco Annunziato**<sup>1</sup> (Florence, <sup>1</sup>Boston - USA)

**09:18** Study of the pro-inflammatory role of cytokine nicotinamide phosphoribosyltransferase in inflammatory bowel disease and its possible therapeutic use  
**Greta Cascetta** (University of Pavia, Pavia), **Giorgia Colombo**<sup>2</sup>, **Gianmarco Eremita**<sup>1</sup>, **Angela Ferramosca**<sup>1</sup>, **Aurora Meggiolan**<sup>1</sup>, **Cristina Travelli**<sup>1</sup> (Pavia, <sup>2</sup>New York - USA)

## WEDNESDAY, JUNE 18, 2025

## PLENARIA HOTEL GIÒ

**09:30 KEYNOTE LECTURE 2****10:15**Chairs: **Francesca Fallarino** (*University of Perugia, Perugia*),  
**Renato Ostuni** (*IRCCS San Raffaele Scientific Institute, Milan*)09:30 Human immune variation and its origins early in life  
**Petter Brodin** (*Karolinska Institutet, Solna- S*)

10:10 Discussion

**10:15 COMPANY PRESENTATIONS****10:45**Chairs: **Daniela Bosisio** (*University of Brescia, Brescia*),  
**Alessio Grimaldi** (*Sapienza University of Rome, Rome*)**11:15 JOINT SYMPOSIUM SIICA-ImmunitA****12:55****HUMAN INBORN ERRORS OF IMMUNITY**Chairs: **Maria Rosaria Galdiero** (*University of Naples Federico II, Naples*),  
**Teresa Zelante** (*University of Perugia, Perugia*)11:15 Gene therapy is efficacious in treating immunodeficiency,  
autoimmunity and autoinflammatory manifestations of Wiskott  
Aldrich syndrome  
**Francesca Ferrua** (*"Vita-Salute" San Raffaele University, Milan*)

11:35 Discussion

11:40 New genes and therapies for autoinflammatory diseases  
**Marco Gattorno** (*Genoa*)

12:00 Discussion

12:05 Immune dysregulation in immunodeficient patients  
**Riccardo Castagnoli** (*University of Pavia, Pavia*)

12:25 Discussion

12:30 Human inborn errors of immunity: lessons from COVID-19 pandemic  
**Cinzia Milito** (*Sapienza University of Rome, Rome*)

12:50 Discussion



## WEDNESDAY, JUNE 18, 2025

### TRUMPET 1

**13:00** INDUSTRY WORKSHOP LUNCH  
**13:30**

### POSTER AREA

**13:30** POSTER SESSION 1  
**14:30** Chairs: **Valeria Fumagalli** (*IRCCS San Raffaele Scientific Institute, Milan*),  
**Marco Gargaro** (*University of Perugia, Perugia*)  
**Carolina Gaudenzi** (*University of Brescia, Brescia*)

### PLENARIA HOTEL GIÒ

**14:30** WORKSHOP 4  
**15:30** INNATE IMMUNITY  
Chairs: **Marco Gargaro** (*University of Perugia, Perugia*),  
**Silvia Tonon** (*University of Udine, Udine*)

**14:30** STAT4 suppresses type I interferon transcriptome in inflammatory ILC2  
**Giuseppe Pietropaolo** (*Sapienza University of Rome, Rome*),  
**Arianna Maria Candelotti**<sup>2</sup>, **Giordana Garzillo**<sup>2</sup>, **Chiara Di Censo**<sup>2</sup>,  
**Gianluca Scarno**<sup>2</sup>, **Giovanna Peruzzi**<sup>2</sup>, **Cinzia Fionda**<sup>2</sup>, **Helena Stabile**<sup>2</sup>,  
**Francesca Sozio**<sup>2</sup>, **Rosa Molfetta**<sup>2</sup>, **Fabrizio Leone**<sup>2</sup>, **Bianca L. Cinicola**<sup>2</sup>,  
**Cecilia Ciancaglini**<sup>2</sup>, **Linda Quatrini**<sup>2</sup>, **Alessandra Gori**<sup>2</sup>, **Anna Maria Zicari**<sup>2</sup>,  
**Yohei Mikami**<sup>3</sup>, **Angela Gismondi**<sup>2</sup>, **Silvano Sozzani**<sup>1,2</sup>, **Angela Santoni**<sup>1,2</sup>, **Mattia Laffranchi**<sup>2</sup>, **Giuseppe Sciumè**<sup>2</sup>  
(<sup>1</sup>Pozzilli, <sup>2</sup>Rome, <sup>3</sup>Tokyo - J)

**14:42** Cyp11a1 deficiency endows type-2 dendritic cells with immunoregulatory functions  
**Alessandro Pinzi** (*University of Perugia, Perugia*), **Francesco Sarnari**<sup>1</sup>,  
**Benedetta Pieroni**<sup>1</sup>, **Giorgia Manni**<sup>1</sup>, **Giulia Mencarelli**<sup>1</sup>, **Doriana Ricciuti**<sup>1</sup>,  
**Estevao Carlos Silva Barcelos**<sup>1</sup>, **Carsten B. Schmidt-Weber**<sup>2</sup>, **Caspar Ohnmacht**<sup>2</sup>,  
**Francesca Fallarino**<sup>1</sup>, **Marco Gargaro**<sup>1</sup> (<sup>1</sup>Perugia, <sup>2</sup>Munich - D)

**14:54** Uncovering two neutrophil-committed progenitors that immediately precede the promyelocytes during human neutropoiesis  
**Ilaria Signoretto** (*University of Verona, Verona*), **Federica Calzetti**,  
**Giulia Finotti**, **Camillo Balanzin**, **Francisco Miguel Angel Bianchetto Aguilera**,  
**Sara Gasperini**, **Elisa Gardiman**, **Nicola Tamassia**, **Marco Cassatella** (*Verona*)

June 17-20, 2025

PERUGIA

WEDNESDAY, JUNE 18, 2025

PLENARIA HOTEL GIÒ

**14:30** WORKSHOP 4 (cont.)  
**15:30** INNATE IMMUNITY

15:06 Phenotype and function of suppressive monocytes during viral infections  
**Maria Nelli** (*Vita-Salute San Raffaele University, Milan*), **Valentina Sperto**<sup>1</sup>, **Chiara Laura**<sup>1</sup>, **Fabio Tosi**<sup>1</sup>, **Pietro Di Lucia**<sup>1</sup>, **Eleonora Sala**<sup>1</sup>, **Elisa Bono**<sup>1</sup>, **Leonardo Giustini**<sup>1</sup>, **Marco Genua**<sup>1</sup>, **Maykel Arias**<sup>2</sup>, **Renato Ostuni**<sup>1</sup>, **Julian Pardo Jimeno**<sup>2</sup>, **Matteo Iannacone**<sup>1</sup> **Mirela Kuka**<sup>1</sup>  
 (<sup>1</sup>Milan, <sup>2</sup>Zaragoza - E)

15:18 Macrophage-driven NK cell plasticity associates with CXCR3 axis in mouse liver metastasis models  
**Chiara D'Aquino** (*Sapienza University of Rome, Rome*), **Eleonora Russo**<sup>1</sup>, **Chiara Di Censo**<sup>1,2</sup>, **Mattia Laffranchi**<sup>2</sup>, **Luana Tomaipitınca**<sup>2</sup>, **Valerio Licursi**<sup>2</sup>, **Stefano Garofalo**<sup>2</sup>, **Giovanna Peruzzi**<sup>2</sup>, **Francesca Sozio**<sup>2</sup>, **Cristina Limatola**<sup>1,3</sup>, **Christian Vosshenrich**<sup>2</sup>, **Silvano Sozzani**<sup>3</sup>, **Giuseppe Sciumè**<sup>1</sup>, **Angela Santoni**<sup>3</sup>, **Giovanni Bernardini**<sup>1</sup>, (<sup>1</sup>Rome, <sup>2</sup>Paris - F, <sup>3</sup>Isernia)

**14:30** WORKSHOP 5  
**15:30** IMMUNOTHERAPY

TRUMPET 1

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

14:30 Interleukin-1 receptor 8 deficiency enhances the anti-tumour activity of doxorubicin and reduces cardiotoxicity  
**Francesco Scavello** (*IRCCS Humanitas Research Hospital, Rozzano*), **Domenico Supino**<sup>1</sup>, **Arianna Felicetta**<sup>1</sup>, **Francesca Vaino**<sup>1</sup>, **Silvia Carnevale**<sup>1</sup>, **Giovanni Pezone**<sup>1</sup>, **Irene Di Ceglie**<sup>1</sup>, **Andrea Mariancini**<sup>1</sup>, **Anna Rigatelli**<sup>1</sup>, **Fabio Pasqualini**<sup>1</sup>, **Alessandra Idini**<sup>1</sup>, **Alessia Privitera**<sup>1</sup>, **Marcello Rubino**<sup>1</sup>, **Elena Magrini**<sup>1</sup>, **Sebastien Jaillon**<sup>1,2</sup>, **Carolina Greco**<sup>1,2</sup>, **Alberto Mantovani**<sup>1,2,3</sup>, **Gianluigi Condorelli**<sup>1,2</sup>, **Cecilia Garlanda**<sup>1,2</sup>  
 (<sup>1</sup>Rozzano, <sup>2</sup>Pieve Emanuele, <sup>3</sup>London - UK)

14:42 Dissecting a dual tumor-suppressive role of microRNA203a in non-small cell lung cancer  
**Carolina Gaudenzi** (*University of Brescia, Brescia*), **Tiziana Schioppa**<sup>1,2</sup>, **Gaia Giongrandi**<sup>1</sup>, **Yasmin Vahidi**<sup>1</sup>, **Stefania Zini**<sup>1</sup>, **Laura Tiberio**<sup>1</sup>, **Annalisa Del Prete**<sup>1,2</sup>, **Daniela Bosisio**<sup>1</sup>, **Valentina Salvi**<sup>1</sup> (<sup>1</sup>Brescia, <sup>2</sup>Milan)



## WEDNESDAY, JUNE 18, 2025

### TRUMPET 1

**14:30** **WORKSHOP 5** (cont.)  
**15:30** **IMMUNOTHERAPY**

14:54 A private crosstalk established by tumor-targeted cytokine release rescues CAR-T activity and engages host T cells against glioblastoma  
**Giorgia Alvisi** (*San Raffaele Telethon Institute for Gene Therapy, Milan*), **Federico Rossari**, **Melania Cusimano**, **Stefano Beretta**, **Deborah Ambrosecchia**, **Ottavia Vitaloni**, **Nadia Coltella**, **Luigi Naldini** (*Milan*)

15:06 Stimulating resolution of inflammation unleashes CD8 T-cell anti-cancer immunity  
**Domenico Mattoscio** (*University of Chieti, Chieti*)

15:18 Targeting chondroitin sulfate proteoglycan 4 with DNA vaccination to unlock new potential combination therapies for melanoma  
**Federica Riccardo** (*University of Turin, Turin*), **Lidia Tarone**<sup>1</sup>, **Davide Giacobino**<sup>1</sup>, **Mariateresa Camerino**<sup>1</sup>, **Lorenza Parisi**<sup>1</sup>, **Lorella Maniscalco**<sup>1</sup>, **Flavia D'Achille**<sup>1</sup>, **Giuseppina Barutello**<sup>1</sup>, **Laura Conti**<sup>1</sup>, **Soldano Ferrone**<sup>2</sup>, **Paolo Buracco**<sup>1</sup>, **Emanuela Morello**<sup>1</sup>, **Federica Cavallo**<sup>1</sup> (*<sup>1</sup>Turin, <sup>2</sup>Boston - USA*)

### TRUMPET 2

**14:30** **WORKSHOP 6**  
**15:30** **VACCINES**

Chairs: **Giulia Lamacchia** (*University of Florence, Florence*), **TBC**

14:30 Characterization of DC-T cell interaction dynamics in a vaccination model through in vivo enzymatic labeling  
**Enrico Dotta** (*University of Padova, Padova*), **Giulia Cesaro**, **Giacomo Baruzzo**, **Barbara Di Camillo**, **Giulia Pasqual**, **Edoardo Peroni** (*Padua*)

14:42 Exploiting hyaluronan as a natural and effective immunological adjuvant for protein-based vaccines against HER2-expressing breast cancer  
**Valentina Rossi** (*Veneto Institute of Oncology IOV-IRCCS, Padua*), **Debora Carpanese**, **Anna Dalla Pietà**, **Beatrice Genova**, **Alessandro Penna**, **Gaia Zuccolotto**, **Antonella Grigoletto**, **Gianfranco Pasut**, **Antonio Rosato** (*Padua*)

## WEDNESDAY, JUNE 18, 2025

## TRUMPET 2

**14:30** WORKSHOP 6 (cont.)  
**15:30** VACCINES

- 14:54 Smallpox-specific T cells in vaccinated centenarians exhibit phenotypic and metabolic traits of long-term memory compared to SARS-CoV-2-specific T cells  
**Sara De Biasi** (University of Modena and Reggio Emilia, Modena), **Domenico Lo Tartaro**<sup>1</sup>, **Moritz Rau**<sup>2</sup>, **Francesco Bortoli**<sup>1</sup>, **Elena Santacroce**<sup>1</sup>, **Alin Ciobanu**<sup>1</sup>, **Lara Gibellini**<sup>1</sup>, **Francesca Coppi**<sup>1</sup>, **Ignacio Rubio**<sup>2</sup>, **Giuseppina Candore**<sup>3</sup>, **Calogero Caruso**<sup>3</sup>, **Andrea Cossarizza**<sup>1</sup> (Modena, <sup>2</sup>Jena - D, <sup>3</sup>Palermo)
- 15:06 Characterization and monitoring of T cell-specific immune response in subjects at high risk of monkeypox infection undergoing anti-smallpox vaccination  
**Laura Maggi** (University of Florence, Florence), **Anna Vanni**<sup>1</sup>, **Valentina Cosi Becchi**<sup>1</sup>, **Giulia Lamacchia**<sup>1</sup>, **Lorenzo Salvati**<sup>1,2</sup>, **Alessio Mazzoni**<sup>1</sup>, **Manuela Capone**<sup>1</sup>, **Francesca Matani**<sup>1</sup>, **Lucia Bartoli**<sup>1,3</sup>, **Stefania Francalanci**<sup>1</sup>, **Seble Tekle Kiro**<sup>1</sup>, **Filippo Lagi**<sup>1</sup>, **Alessandro Bartoloni**<sup>1</sup>, **Lorenzo Cosmi**<sup>1</sup>, **Francesco Liotta**<sup>1</sup>, **Alessandro Sette**<sup>4</sup>, **Francesco Annunziato**<sup>1</sup> (Florence, <sup>2</sup>Arezzo, <sup>3</sup>Palermo, <sup>4</sup>La Jolla - USA)
- 15:18 Machine learning approaches to detect individuals who were unaware of SARS-CoV2 infection: dissection of hybrid and vaccine-induced immunity  
**Annalisa Ciabattini** (University of Siena, Siena), **Giorgio Montesi**, **Simone Costagli**, **Jacopo Polvere**, **Fabio Fiorino**, **Gabiria Pastore**, **Margherita Sambo**, **Massimiliano Fabbiani**, **Mario Tumbarello**, **Francesca Montagnani**, **Donata Medaglini**, **Elena Pettini** (Siena)



## WEDNESDAY, JUNE 18, 2025

### PLENARIA HOTEL GIÒ

#### 15:30 JF SYMPOSIUM - RISING STARS IN IMMUNOLOGY

16:30

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

15:30

Microbial-derived metabolites promote NKT22 responses in colitis associated colorectal cancer patients

**Federica Perillo** (*Fondazione IRCCS Cà Granda, Ospedale Maggiore Policlinico, Milan*), **Alberto Baeri**, **Paola Maragno**, **Francesco Strati**,  
**Federica Facciotti** (*Milan*)

15:42

Microbial bile acid metabolites are key regulators of central nervous system autoimmunity

**Martina Antonini Cencicchio** (*IRCCS Ospedale San Raffaele, Milan*),  
**Federico Montini**, **Vittoria Palmieri**, **Luca Massimino**, **Annamaria Finardi**,  
**Alessandra Mandelli**, **Francesco Asnicar**, **Radmila Pavlovic**,  
**Denise Drago**, **Federica Ungaro**, **Annapaola Andolfo**, **Nicola Segata**,  
**Vittorio Martinelli**, **Roberto Furlan**, **Marika Falcone** (*Milan*)

15:54

AhR-expressing type 1 conventional dendritic cells play a protective role in the experimental model of sepsis

**Giada Mondanelli** (*University of Perugia, Perugia*), **Giulia Scalisi**<sup>1</sup>,  
**Giorgia Manni**<sup>1</sup>, **Giulia Mencarelli**<sup>1</sup>, **Estevao Carlos Silva Barcelos**<sup>1</sup>,  
**Doriana Ricciuti**<sup>1</sup>, **Benedetta Pieroni**<sup>1</sup>, **Alessandro Pinzi**<sup>1</sup>, **Anna La Rosa**<sup>1</sup>,  
**Francesco Sarnari**<sup>1</sup>, **Kenneth M Murphy**<sup>2</sup>, **Francesca Fallarino**<sup>1</sup>,  
**Marco Gargaro**<sup>1</sup> (*<sup>1</sup>Milan, <sup>2</sup>St. Louis - USA*)

16:06

Key role of microRNA-142-3p shuttling via extracellular vesicles in regulatory T cell function

**Giusy De Rosa** (*Istituto degli Endotipi in Oncologia, Metabolismo e Immunologia "G. Salvatore", Consiglio Nazionale delle Ricerche (IEOMI-CNR), Naples*), **Claudia Russo**<sup>1</sup>, **Dario Di Silvestre**<sup>2</sup>, **Alessandra Colamatteo**<sup>1</sup>, **Clorinda Fusco**<sup>1</sup>, **Claudia La Rocca**<sup>1</sup>, **Fortunata Carbone**<sup>1</sup>,  
**Ilaria Spatocco**<sup>1</sup>, **Giorgia Mele**<sup>1</sup>, **Vincenzo Di Marino**<sup>1</sup>, **Kristyna Ruggiero**<sup>1</sup>,  
**Gianmarco Esposito**<sup>1</sup>, **Silvia Garavelli**<sup>1</sup>, **Annamaria Finardi**<sup>3</sup>, **Gianmarco Abbadessa**<sup>1</sup>,  
**Simona Bonavita**<sup>1</sup>, **Antonio Uccelli**<sup>4</sup>, **Marco Salvetti**<sup>5</sup>, **Diego Centonze**<sup>5</sup>,  
**Roberto Furlan**<sup>3</sup>, **Giuseppe Matarese**<sup>1</sup>, **Claudio Procaccini**<sup>1</sup>, **Paola de Candia**<sup>1</sup>,  
**Elena Tagliabue**<sup>6</sup>, **Vincenza Dolo**<sup>7</sup>, **Ilaria Giusti**<sup>7</sup>, **Francesca Beretta**<sup>8</sup>,  
**Edoardo Dalmato Schilke**<sup>8</sup>, **Guido Cavaletti**<sup>9</sup>, **Ettore Dolcetti**<sup>9</sup>,  
**Fabio Buttari**<sup>9</sup>, **Giacomo Lus**<sup>1</sup>, **Elisabetta Signoriello**<sup>1</sup>, **Roberta Lanzillo**<sup>1</sup>,  
**Vincenzo Brescia Morra**<sup>1</sup> (*<sup>1</sup>Naples, <sup>2</sup>Segrate, <sup>3</sup>Milan, <sup>4</sup>Genoa, <sup>5</sup>Rome, <sup>6</sup>Varese, <sup>7</sup>L'Aquila, <sup>8</sup>Monza, <sup>9</sup>Pozzilli*)

## WEDNESDAY, JUNE 18, 2025

## PLENARIA HOTEL GIÒ

- 15:30** **JF SYMPOSIUM - RISING STARS IN IMMUNOLOGY** *(cont.)*  
**16:30**
- 16:18 News and views from the SIICA Junior Faculty
- 17:00** **DECODING MYELOID DIVERSITY**  
**18:40** Chairs: **Valeria Fumagalli** (*IRCCS San Raffaele Scientific Institute, Milan*),  
**Marco Gargaro** (*University of Perugia, Perugia*)
- 17:00 Intersection of immune-mediated amino acid metabolism and tumor biology  
**Peter Murray** (*Max Planck Institute of Biochemistry, Martinsried - D*)
- 17:20 Discussion
- 17:25 How innate immune cells adapt to environment and function: diverse tales of mitochondria  
**Stefanie Wculek** (*Institute for Research in Biomedicine - IRB, Barcelona - E*)
- 17:45 Discussion
- 17:50 Decoding type 3 dendritic cells as drivers of immune resistance in non-small cell lung cancer  
**Francesca Granucci** (*University of Milano Bicocca, Milan*)
- 18:10 Discussion
- 18:15 Advanced antigen-specific tolerogenic dendritic cell-based therapy to re-establish tolerance in immune-mediated diseases  
**Silvia Gregori** (*University of Milano Bicocca, Milan*)
- 18:35 Discussion



## THURSDAY, JUNE 19, 2025

### PLENARIA HOTEL GIÒ

#### 08:30 WORKSHOP 7

#### 09:30 TUMOR IMMUNOLOGY 2

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

08:30 Interleukin 10 produced by tumor-reactive EOMESODERMIN+Tr1-like cells is critical for immunotherapy of melanoma

**Jens Geginat** (*University of Milan, Milan*), **Camilla Righetti<sup>1</sup>**, **Elena Carelli<sup>1</sup>**, **Benedetta Deponticonte<sup>2</sup>**, **Ylenia Silvestri<sup>1</sup>**, **Nerina Denaro<sup>1</sup>**, **Fabio Grassi<sup>1,2</sup>** (<sup>1</sup>*Milan*, <sup>2</sup>*Bellinzona - CH*)

08:42 IL4I1 catalytic activity confers protection against ferroptosis in a murine fibrosarcoma cell line

**Giulia Mencarelli** (*University of Perugia, Perugia*), **Estevao Carlos Silva Barcelos<sup>1</sup>**, **Giorgia Manni<sup>1</sup>**, **Doriana Ricciuti<sup>1</sup>**, **Benedetta Pieron<sup>1</sup>**, **Francesco Sarnari<sup>1</sup>**, **Alessandro Pinzi<sup>1</sup>**, **Kenneth M. Murphy<sup>2</sup>**, **Francesca Fallarino<sup>1</sup>**, **Marco Gargaro<sup>1</sup>** (<sup>1</sup>*Perugia*, <sup>2</sup>*St. Louis - USA*)

08:54 Defining breadth and dynamics of tumor-specific T lymphocytes in oesophageal adenocarcinoma

**Francesco Di Mauro** (*Vita-Salute San Raffaele University, Milan*), **Elisabetta Fai**, **Marco Punta**, **Giulia Lopatriello**, **Luca Albarello**, **Eliana Ruggiero**, **Chiara Cattaneo**, **riccardo Rosati**, **Giulia Casorati**, **Paolo Dellabona**, **Giuseppina Arbore** (*Milan*)

09:06 Neutrophil-like monocytes increase in patients with colon cancer and induce dysfunctional TIGIT+ natural killer cells

**Claudia De Pasquale** (*University of Messina, Messina*), **Fabiana Drommi<sup>1</sup>**, **Giacomo Sidoti Migliore<sup>2</sup>**, **Gaetana Pezzino<sup>1</sup>**, **Grazia Vento<sup>3</sup>**, **Josephine Freni<sup>1</sup>**, **Gregorio Costa<sup>1</sup>**, **Riccardo Cavaliere<sup>1</sup>**, **Irene Bonaccorsi<sup>1</sup>**, **Mariagrazia Sionne<sup>1</sup>**, **Stefania Nigro<sup>1</sup>**, **Giuseppe Navarra<sup>1</sup>**, **Alessia Calabrò<sup>1</sup>**, **Stefania Campana<sup>1</sup>**, **Guido Ferlazzo<sup>3</sup>** (<sup>1</sup>*Messina*, <sup>2</sup>*Bethesda - USA*, <sup>3</sup>*Genoa*)

09:18 Integrating immune cell profiling and microbiota analysis to understand multiple myeloma disease progression

**Anna Maria Corsale** (*University of Palermo, Palermo*), **Marta Di Simone<sup>1</sup>**, **Emilia Gigliotta<sup>1</sup>**, **Maria Speciale<sup>1</sup>**, **Andrea Rizzuto<sup>1</sup>**, **Cristina Aquilina<sup>1</sup>**, **Marta Biondo<sup>2</sup>**, **Andrea Romano<sup>1</sup>**, **Alessandra Romano<sup>2</sup>**, **Antonino Neri<sup>3</sup>**, **Nadia Caccamo<sup>1</sup>**, **Francesco Dieli<sup>1</sup>**, **Serena Meraviglia<sup>1</sup>**, **Sergio Siragusa<sup>1</sup>**, **Cirino Botta<sup>1</sup>** (<sup>1</sup>*Palermo*, <sup>2</sup>*Catania*, <sup>3</sup>*Reggio Emilia*)

THURSDAY, JUNE 19, 2025

## THURSDAY, JUNE 19, 2025

## TRUMPET 1

## 08:30 WORKSHOP 8

## 09:30 IMMUNE RESPONSE TO PATHOGENS 2

Chairs: **Silvia Tonon** (*University of Udine, Udine*),  
**Irene Mattiola** (*Charité - University of Medicine, Berlin - D*)

- 08:30 A SARS-CoV-2 nucleocapsid protein-derived peptide modulates MHC-I expression and impairs antigen presentation  
**Davide Proietto** (*University of Ferrara, Ferrara*), **Elena Torreggiani**<sup>1</sup>, **Beatrice Dallan**<sup>1</sup>, **Martina De Laurentis**<sup>1</sup>, **Eleonora Gallerani**<sup>1</sup>, **Mara Martino**<sup>1</sup>, **Enrico Tassani**<sup>1</sup>, **Valentina Albanese**<sup>1</sup>, **Victor Appay**<sup>2</sup>, **Lacey Sian Llewellyn**<sup>3</sup>, **Salvatore Pacifico**<sup>1</sup>, **David A. Price**<sup>3</sup>, **Antonella Caputo**<sup>1</sup>, **Riccardo Gavioli**<sup>1</sup>, **Francesco Nicoli**<sup>1</sup> (<sup>1</sup>Ferrara, <sup>2</sup>Bordeaux - F, <sup>3</sup>Cardiff UK)
- 08:42 Extracellular vesicles from  $\gamma\delta$  T-cells exert adjuvant antiviral responses enhancing antigen presenting capabilities  
**Federica Guarracino** (*Bambino Gesù Children's Hospital, Rome*), **Veronica Bordonì**, **Luca Quattrocchi**, **Angela Lorusso**, **Antonella Minutolo**, **Claudia Matteucci**, **Cecilia Battistelli**, **Marco Tripodi**, **Franco Locatelli**, **Chiara Agrati** (*Rome*)
- 08:54 HLA-E-restricted CD8+ T cell response to conserved SARS-CoV-2 peptides is promising for improving vaccination and therapeutic strategies  
**Mahsa Rafieiyan** (*University of Palermo, Palermo*), **Mojtaba Shekarkar Azgomi**, **Marco Pio La Manna**, **Giusto Davide Badami**, **Francesco Dieli**, **Nadia Caccamo** (*Palermo*)
- 09:06 The long pentraxin PTX3 is a pathogenic host factor in the *Staphylococcus aureus* infection of the bone  
**Antonio Inforzato** (*Humanitas University, Pieve Emanuele*), **Raffaella Parente**<sup>1</sup>, **Valentina Possetti**<sup>1,2</sup>, **Dario Strina**<sup>1</sup>, **Valentina Granata**<sup>1</sup>, **Francesca Liberati**<sup>1</sup>, **Maria Lucia Schiavone**<sup>1</sup>, **Sonia Valentino**<sup>1</sup>, **Maša Filipović**<sup>3</sup>, **Nataša Kovačić**<sup>3</sup>, **Danka Grčević**<sup>3</sup>, **Barbara Bottazzi**<sup>1</sup>, **Alberto Mantovani**<sup>1,4</sup>, **Cristina Sobacchi**<sup>1</sup> (<sup>1</sup>Rozzano, <sup>2</sup>Pieve Emanuele, <sup>3</sup>Zagreb - HR, <sup>4</sup>London - UK)
- 09:18 Mechanoreceptors initiate innate immunity in response to microbial infections  
**Giulia Stucchi** (*University of Milano-Bicocca, Milan*), **Laura Marongiu**, **Giuseppe Rocca**, **Marco Galli**, **Anna Celant**, **Stefano Cozzi**, **Alessandra Polissi**, **Alessandra Martorana**, **Marina Vai**, **Ivan Orlandi**, **Metello Enzo Innocenti**, **Francesca Granucci** (*Milan*)



## THURSDAY, JUNE 19, 2025

### TRUMPET 2

#### 08:30 WORKSHOP 9

#### 09:30 METABOLISM

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

08:30 Defective OPA-1 dependent mitochondrial fusion in Kupffer cells affects immunometabolic response and systemic metabolism  
**Danilo Norata** (*University of Milan, Milan*), **Francesca Fantini**,  
**Giovanni Battista Vingiani**, **Laura Gullà**, **Fabrizia Bonacina**, (*Milan*)

08:42 The GDP metabolism triggering RANBP1-dependent modulation, form the basis of a new differential genetic-metabolic regulation of the lymphocyte fate: a novel pathway for targeted CD4+ re-editing  
**Carolina Brescia** (*University "Magna Graecia" of Catanzaro, Catanzaro*), **Salvatore Audia**<sup>1</sup>, **Naomi Torchia**<sup>1</sup>, **Vincenzo Dattilo**<sup>1</sup>,  
**Francesco Trapasso**<sup>1</sup>, **Domenica Scumaci**<sup>1</sup>, **Edoardo Peroni**<sup>2</sup>, **Gianluca Santamaria**<sup>1</sup>, **Niccolò Vono**<sup>1</sup>, **Luca Tirinato**<sup>1</sup>, **Emanuela Chiarella**<sup>1</sup>, **Clelia Zerotti Misiano**<sup>1</sup>, **Rosario Amato**<sup>1</sup> (*<sup>1</sup>Catanzaro, <sup>2</sup>Padua*)

08:54 Impact of specific nutrient overload on the balance between peripheral immune tolerance and autoimmunity  
**Claudia Russo** (*Azienda Ospedaliera Federico II, Naples*), **Giusy De Rosa**, **Claudia La Rocca**, **Vincenzo Di Marino**, **Kristyna Ruggiero**,  
**Gianmarco Esposito**, **Fortunata Carbone**, **Claudio Procaccini**,  
**Giuseppe Matarese** (*Naples*)

09:06 Aging with HIV: assessing premature immunosenescence as a strategy to monitor and prevent age-related co-morbidities  
**Beatrice Dallan** (*University of Ferrara, Ferrara*), **Marco Campagnaro**<sup>1</sup>,  
**Eleonora Gallerani**<sup>1</sup>, **Mara Martino**<sup>1</sup>, **Davide Proietto**<sup>1</sup>, **Enrico Tassani**<sup>1</sup>,  
**Carlos Alberto Guzman**<sup>1</sup>, **Stephanie Trittel**<sup>2</sup>, **Massimo Bonora**<sup>1</sup>, **Sara Ghisellini**<sup>1</sup>,  
**Lacey Sian Llewellyn**<sup>3</sup>, **Victor Appay**<sup>4</sup>, **David A. Price**<sup>3</sup>, **Riccardo Gavioli**<sup>1</sup>,  
**Daniela Segala**<sup>1</sup>, **Antonella Caputo**<sup>1</sup>, **Francesco Nicoli**<sup>1</sup> (*<sup>1</sup>Ferrara, <sup>2</sup>Braunschweig - D, <sup>3</sup>Cardiff - UK, <sup>4</sup>Bordeaux - F*)

09:18 Cardiovascular-immunometabolic profile in survivors of childhood acute lymphoblastic leukaemia (sALL)  
**Fabrizia Bonacina** (*University of Milan, Milan*), **Alessandro Cattoni**<sup>1</sup>,  
**Marta Iaia**<sup>2</sup>, **Santo Di Marco**<sup>1</sup>, **Giovanni Battista Vingiani**<sup>2</sup>, **Elena Olmastroni**<sup>2</sup>,  
**Annalisa Moregola**<sup>2</sup>, **Adriana Balduzzi**<sup>1</sup>, **Danilo Norata**<sup>2</sup>, (*<sup>1</sup>Monza, <sup>2</sup>Milan*)

June 17-20, 2025

**PERUGIA**

### THURSDAY, JUNE 19, 2025

**PLENARIA HOTEL GIÒ**

**09:30**

#### **COMPANY PRESENTATIONS**

**10:00**

Chairs: **Carolina Gaudenzi** (*University of Brescia, Brescia*),  
**Mattia Laffranchi** (*University of Brescia, Brescia*)

**10:00**

#### **CAREER DEVELOPMENT SESSION**

**11:00**

Chairs: TBD



## THURSDAY, JUNE 19, 2025

### PLENARIA HOTEL GIÒ

**11:30**  
**13:10**

### NON-CONVENTIONAL CELL-TO-CELL COMMUNICATION AND IMMUNE RELATION

Chair: **Daniela Bosisio** (*University of Brescia, Brescia*),  
**Francesca Fallarino** (*University of Perugia, Perugia*)

11:30

Human CD4+ T cells: the ins and outs of extracellular vesicle-based communication in health and autoimmunity  
**Paola De Candia** (*Università degli Studi di Napoli Federico II, Naples*)

11:50

Discussion

11:55

Title to be defined  
**TBD**

12:15

Discussion

12:20

Insights from population-scale single-cell genomics in cohorts with embedded medical data  
**Nicole Soranzo** (*Cambridge - UK*)

12:40

Discussion

12:45

Tissue-specific immune regulation in the olfactory mucosa  
**Ashley Moseman** (*Duke University School of Medicine, Durham - USA*)

13:05

Discussion

**13:10**  
**13:40**

### INDUSTRY WORKSHOP LUNCH

### TRUMPET 1

THURSDAY, JUNE 19, 2025

## THURSDAY, JUNE 19, 2025

## POSTER AREA

**13:40 POSTER SESSION 2****14:40**

Chairs: **Mattia Laffranchi** (*Sapienza University of Rome, Rome*),  
**Giulia Lamacchia** (*University of Florence, Florence*),  
**Silvia Tonon** (*University of Udine, Udine*)

## PLENARIA HOTEL GIÒ

**14:40 PLENARY SYMPOSIUM****16:20****BREAKING NEWS ON T CELL FUNCTIONS**

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

- 14:40 Unexpected roles of T cells in cardiovascular disease  
**Marinos Kallikourdis** (*University of Cambridge, Cambridge - UK*)
- 15:00 Discussion
- 15:05 Thymus damage and regeneration: implications for patient  
Immunity  
**Enrico Velardi** (*Bambino Gesù Children's Hospital, Rome*)
- 15:25 Discussion
- 15:30 Dissecting autoreactive T cell immunity in human neurological  
disorders  
**Daniela Latorre** (*Institute of Experimental Neurology, Milan*)
- 15:50 Discussion
- 15:55 Parallel interrogation of T cell receptor-antigen interactions by  
enzymatic DNA barcoding  
**Giulia Pasqual** (*University of Padua, Padua*)
- 16:15 Discussion



## THURSDAY, JUNE 19, 2025

### PLENARIA HOTEL GIÒ

#### 16:50 WORKSHOP 10 17:50 T AND B CELLS

Chairs: **Mattia Laffranchi** (*Sapienza University of Rome, Rome*),  
**Giulia Lamacchia** (*University of Florence, Florence*)

16:50 The human bone marrow may offer an IL-15-dependent survival niche for EOMES+ Tr1-like cells  
**Jens Geginat** (*University of Milan, Milan*), **Nadia Pulvirenti**<sup>1</sup>, **Chiara Vasco**<sup>1</sup>, **Camilla Righetti**<sup>1</sup>, **Petra Dad'ová**<sup>1</sup>, **Tiziana Vigo**<sup>2</sup>, **Alice Laroni**<sup>2</sup>, **Antonio Uccelli**<sup>2</sup> (*<sup>1</sup>Milan, <sup>2</sup>Genoa*)

17:02 Impairment of innate immunity and depletion of vaccine-induced T cells in the absence of the spleen  
**Chiara Agrati** (*Bambino Gesù Children's Hospital, Rome*), **Veronica Bordini**<sup>1</sup>, **Bianca Laura Cinicola**<sup>1</sup>, **Eva Piano Mortari**<sup>1</sup>, **Concetta Castilletti**<sup>2</sup>, **Federica Guarracino**<sup>1</sup>, **Christian Albano**<sup>1</sup>, **Silvia Accordini**<sup>2</sup>, **Anwar Baban**<sup>1</sup>, **Antonio Di Sabatino**<sup>3</sup>, **Carlo Maria Rossi**<sup>3</sup>, **Marco Vincenzo Lenti**<sup>3</sup>, **Anna Maria Zicari**<sup>1</sup>, **Riccardo Cirelli**<sup>1</sup>, **Marco Spada**<sup>1</sup>, **Gian Luca Forni**<sup>4</sup>, **Isabella Quinti**<sup>1</sup>, **Mattia Algeri**<sup>1</sup>, **Maddalena Casale**<sup>5</sup>, **Silverio Perrotta**<sup>5</sup>, **Franco Locatelli**<sup>1</sup>, **Rita Carsetti**<sup>1</sup> (*<sup>1</sup>Rome, <sup>2</sup>Verona, <sup>3</sup>Pavia, <sup>4</sup>Genoa, <sup>5</sup>Naples*)

17:14 Metabolically active and highly polyfunctional intratumoral VISTA+ regulatory B cells are linked to tumor recurrence in early-stage NSCLC  
**Domenico Lo Tartaro** (*University of Modena and Reggio Emilia, Modena*), **Beatrice Aramini**<sup>2</sup>, **Valentina Masciale**<sup>1</sup>, **Nikolaos Paschalidis**<sup>3</sup>, **Francesco Lofaro**<sup>1</sup>, **Anita Neroni**<sup>1</sup>, **Rebecca Borella**<sup>1</sup>, **Elena Santacrose**<sup>1</sup>, **Alin Ciobanu**<sup>1</sup>, **Anna Valeria Sammarelli**<sup>1</sup>, **Federica Boraldi**<sup>1</sup>, **Daniela Quaglino**<sup>1</sup>, **Gloria Manzotti**<sup>4</sup>, **Francesca Reggiani**<sup>4</sup>, **Federica Torricelli**<sup>4</sup>, **Alessia Ciarrocchi**<sup>4</sup>, **Antonino Neri**<sup>4</sup>, **Massimo Dominici**<sup>1</sup>, **Pierluigi Filosso**<sup>1</sup>, **Franco Stella**<sup>2</sup>, **Lara Gibellini**<sup>1</sup>, **Sara De Biasi**<sup>1</sup>, **Andrea Cossarizza**<sup>1</sup> (*<sup>1</sup>Modena, <sup>2</sup>Forlì, <sup>3</sup>Athens, - GR, <sup>4</sup>Reggio Emilia*)

17:26 Thrombospondin-4 is a component of the supramolecular attack particle shell and is targeted by chronic lymphocytic leukemia for immune evasion  
**Chiara Cassioli** (*University of Siena, Siena*), **Nagaja Capitani**<sup>1</sup>, **Claire Staton**<sup>2</sup>, **Claudia Schirra**<sup>3</sup>, **Ludovica Lopresti**<sup>1</sup>, **Laura Patrussi**<sup>1</sup>, **Ute Becherer**<sup>3</sup>, **Michael L. Dustin**<sup>2</sup>, **Cosima Baldari**<sup>1</sup> (*<sup>1</sup>Siena, <sup>2</sup>Oxford - UK, <sup>3</sup>Homburg - D*)

## THURSDAY, JUNE 19, 2025

## PLENARIA HOTEL GIÒ

**16:50** WORKSHOP 10 (cont.)  
**17:50** T AND B CELLS

- 17:38 A humanized transgenic mouse model to investigate CD1c-redirected T cells responses  
**Giulia Mondardini** (IRCCS San Raffaele Scientific Institute, Milan), **Elise Ramia**, **Annamaria Finardi**, **Claudio Garavaglia**, **Gloria Delfanti**, **Claudio Doglioni**, **Roberto Furlan**, **Paolo Dellabona**, **Giulia Casorati**, **Michela Consonni** (Milan)

**16:50** WORKSHOP 11  
**17:50** MUCOSAL IMMUNITY

## TRUMPET 1

- Chairs: **Giuseppe Pietropaolo** (Sapienza University of Rome, Rome), **Silvia Tonon** (University of Udine, Udine)
- 16:50 A B-cell cross-road between systemic and upper respiratory tract immunity  
**Eva Piano Mortari** (Bambino Gesù Children's Hospital, Rome), **Mattia Laffranchi**, **Bianca Laura Cinicola**, **Sabina Barresi**, **Valentina Marcellini**, **Isabella Quinti**, **Silvano Sozzani**, **Rita Carsetti** (Rome)
- 17:02 Gliadin activated CD4+ T cells is a new method to detect activated lymphocytes in the blood of celiac disease patients  
**Carmen Gianfrani** (Institute of Biochemistry and Cell Biology, Naples), **Laura Pisapia**, **Marcella D'Ambrosio**, **Iliaria Mottola**, **Antonio Rispo**, **Giovanna Del Pozzo** (Naples)
- 17:14 Extracellular vesicles from bone marrow-derived mesenchymal stem cells downmodulate the gliadin-induced immunity in celiac disease  
**Iliaria Mottola** (Institute of Biochemistry and Cell Biology, Naples), **Rachele Ciccocioppo**<sup>1</sup>, **Valeria Zuliani**<sup>2</sup>, **Annalisa Adamo**<sup>2</sup>, **Roberta Esposito**<sup>3</sup>, **Mauro Krampera**<sup>2</sup>, **Vera Rotondo Aufiero**<sup>4</sup>, **Alessandra Camarca**<sup>4</sup>, **Fabiana Capuano**<sup>4</sup>, **Laura Pisapia**<sup>3</sup>, **Giovanna Del Pozzo**<sup>3</sup>, **Giuseppe Mazzarella**<sup>4</sup>, **Carmen Gianfrani**<sup>3</sup> (<sup>1</sup>Chieti, <sup>2</sup>Verona, <sup>3</sup>Naples, <sup>4</sup>Avellino)



## THURSDAY, JUNE 19, 2025

### TRUMPET 1

**16:50** **WORKSHOP 11** (*cont.*)  
**17:50** **MUCOSAL IMMUNITY**

17:26 Investigating caudovirales-induced molecular mimicry in Crohn's disease pathogenesis  
**Carmela Errico** (*IRCCS San Raffaele Scientific Institute, Milan*), **Luca Massimino**, **Salvatore Spanò**, **Sabrina Nicolò**, **Amanda Facchetti**, **Stefania Cagliani**, **Matteo Riva**, **Tommaso Lorenzo Parigi**, **Silvio Danese**, **Federica Ungaro** (*Milan*)

17:38 Dual spatial host-mycobacterial gene expression to unveil *Mycobacteria abscessus* pathogenesis in lung tissues  
**Francesca Nicola** (*Vita-Salute San Raffaele University, Milan*), **Federico Di Marco**, **Francesca Giannese**, **Fabio Saliu**, **Gaia Saldarini**, **Dejan Lazarevic**, **Giovanni Tonon**, **Stefano de Pretis**, **Daniela Maria Cirillo**, **Nicola I. Lorè** (*Milan*)

### TRUMPET 2

**16:50** **WORKSHOP 12**  
**17:50** **TRANSLATIONAL IMMUNOLOGY**

Chairs: **Maria Rosaria Galdiero** (*University of Naples Federico II, Naples*), **Alessio Grimaldi** (*Sapienza University of Rome, Rome*)

16:50 Prognostic role of T cell and macrophage subsets and extracellular vesicle markers in new-onset oligoarthritis patients  
**Federica Raggi** (*IRCCS G. Gaslini Institute, Genova*), **Chiara Rossi**, **Simone Pelassa**, **Federica Briasco**, **Francesca Antonini**, **Davide Cangelosi**, **Silvia Maria Orsi**, **Genny Del Zotto**, **Angelo Ravelli**, **Marco Gattorno**, **Alessandro Consolaro**, **Maria Carla Bosco** (*Genoa*)

17:02 Sex hormone regulation of hematopoietic regeneration after damage  
**Angelica Mancusi** (*Bambino Gesù Children's Hospital IRCCS, Rome*), **Shirley Genah**<sup>1</sup>, **Alessio Taviani**<sup>1</sup>, **marco rosichini**<sup>2</sup>, **Carmen Dolores De Luca**<sup>1</sup>, **Francesca Benini**<sup>1</sup>, **Gabriele Volpe**<sup>1</sup>, **Franco Locatelli**<sup>1</sup>, **Enrico Velardi**<sup>1</sup> (<sup>1</sup>Rome, <sup>2</sup>Seattle - USA)

THURSDAY, JUNE 19, 2025

## THURSDAY, JUNE 19, 2025

## TRUMPET 2

**16:50** WORKSHOP 12 (cont.)**17:50** TRANSLATIONAL IMMUNOLOGY

17:14 Personalized organ-on-chip model for rheumatoid arthritis treatment

**Fabiola Stolfi** (*Università del Piemonte Orientale UPO, Novara*), **Francesco Bisconti**<sup>2</sup>, **Hugo Abreu**<sup>1</sup>, **Thuy Duong Nguyen**<sup>1</sup>, **Federica Dell'Attì**<sup>1</sup>, **Giuseppe Cappellano**<sup>1</sup>, **Francesca Gervaso**<sup>2</sup>, **Alessandro Polini**<sup>2</sup>, **Annalisa Chiocchetti**<sup>1</sup> (<sup>1</sup>Novara, <sup>2</sup>Lecce)

17:26 CD300e in metabolic disease: a novel perspective on obesity-related dysmetabolism

**Simone Pizzini** (*University of Padova, Padua*), **Sara Coletta**<sup>1</sup>, **Elisabetta Trevelin**<sup>1</sup>, **Roberto Vettor**<sup>1,2</sup>, **Marina de Bernardi**<sup>1</sup> (<sup>1</sup>Padua, <sup>2</sup>Milan)

17:38 B cell subset dynamics and regulation of serum cytokines during pregnancy and early post-partum in women with multiple sclerosis

**Martina Severa** (*Istituto Superiore di Sanità, Rome*), **Daniela Ricci**, **Francesca Napoli**, **Silvia Bartolomeo**, **Valentina Di Gianvito**, **Eliana Coccia**, **Girolama Marfia**, **Doriana Landi** (*Rome*)

## PLENARIA HOTEL GIÒ

**17:50** KEYNOTE LECTURE 3

**18:35** Chairs: **Francesco Annunziato** (*University of Florence, Florence*), **Silvia Piconese** (*Sapienza University of Rome, Rome*)

17:50 Inhibition of the JAK-STAT pathway in inflammatory diseases: Quo vadis?

**Massimo Gadina** (*National Institute of Arthritis and Musculoskeletal and Skin Diseases, Bethesda - USA*)

18:30 Discussion

**18:35** SIICA GENERAL ASSEMBLY



## FRIDAY, JUNE 20, 2025

### PLENARIA HOTEL GIÒ

**08:30** **JOINT SYMPOSIUM SIICA-NIBIT**  
**10:30** **TUMOR IMMUNOLOGY**

Chairs: **Vincenzo Bronte** (*University of Verona, Verona*),  
**Massimo Locati** (*University of Milan, Milan*)

**08:30** Lipids control CD8 T cell fate and function during antitumor response  
**Teresa Manzo** (*University of Turin, Turin*)

**08:45** Discussion

**08:50** Genome editing of T cells for cancer immunotherapy  
**Chiara Bonini** (*Università Vita-Salute San Raffaele, Milan*)

**09:05** Discussion

**09:10** Tumor associated antigen-based immunotherapy in pancreatic cancer  
**Francesco Novelli** (*Turin*)

**09:25** Discussion

**09:30** A subset of immunosuppressive CAFs is regulated by hMena, which drives secretory autophagy and contributes to immunotherapy resistance in NSCLC  
**Paola Nisticò** (*IRCCS - Regina Elena National Cancer Institute, Rome*)

**09:45** Discussion

**09:50** Is tolerance the immune function of NETs in the tumor microenvironment?  
**Sabina Sangaletti** (*Milan*)

**10:05** Discussion

**10:10** Decoding how Retrotransposable elements regulate T cell functions  
**Beatrice Bodega** (*University of Milan, Milan*)

**10:25** Discussion

## FRIDAY, JUNE 20, 2025

## PLENARIA HOTEL GIÒ

10:30

**BREAKING NEWS ON INNATE IMMUNE FUNCTIONS**

12:10

Chairs: **Renato Ostuni** (*IRCCS San Raffaele Scientific Institute, Milan*),  
**Irene Mattiola** (*Charité - University of Medicine, Berlin - D*)

11:00

Neutrophils drive vascular occlusion, pleomorphic tumour necrosis,  
 and metastasis

**Jose M. Adrover** (*The Francis Crick Institute, London - UK*)

11:20

Discussion

11:25

Antigen independent iNKT cells-microbiome crosstalk in intestinal  
 homeostasis, chronic inflammation and cancer

**Federica Facciotti** (*University of Milano Bicocca, Milan*)

11:45

Discussion

11:50

Role of neuro-immune communication in the development of  
 neurotoxic inflammation

**Gabriela Constantin** (*University of Pavia, Pavia*)

12:10

Discussion

12:15

Relevance of innate immune responses in gene therapies

**Anna Kajaste-Rudnitski** (*University of Pavia, Pavia*)

12:35

Discussion



## FRIDAY, JUNE 20, 2025

### PLENARIA HOTEL GIÒ

**12:10**    **KEYNOTE LECTURE 4**

**13:00**

Chairs: **Marco Cassatella** (*University of Verona, Verona*),  
**Matteo Iannacone** (*IRCCS San Raffaele Scientific Institute, Milan*)

12:40

The peritoneal cavity immunity: a dynamic complex healing system  
**Paul Kubes** (*University of Calgary, Calgary - CDN*)

13:20

Discussion

**13:00**

**13:30**

### CLOSING CEREMONY AND AWARDS

FRIDAY, JUNE 20, 2025

**POSTER SESSION 1 - JUNE 18, 2025 - 13:30-14:30**

- P01 Amniotic fluid stem cell-derived extracellular vesicles educate type 2 conventional dendritic cells to rescue autoimmune disorders in a multiple sclerosis mouse model  
**Giorgia Manni** (*University of Perugia, Perugia*), **Marco Gargaro**, **Doriana Ricciuti**, **Giulia Mencarelli**, **Benedetta Pieroni**, **Estevao Carlos Silva Barcelos**, **Francesco Sarnari**, **Rita Romani**, **Francesca Fallarino** (*Perugia*)
- P02 Dynamic immunological responses in SARS-CoV-2 infection: cytokines, autoantibodies, and lymphocyte subsets  
**Martina Bozhkova** (*Medical University Plovdiv, Plovdiv, Bulgaria*), **Steliyan Petrov**, **Teodora Kalfova**, **Katya Vaseva**, **Dobrina Dudova**, **Michael Petrov** (*Plovdiv - BG*)
- P03 Evaluation of the cross-reactivity of circulating CD4+ T lymphocytes in SARS-CoV-2-positive individuals to different viral variants  
**Valentina Cosi Becchi** (*University of Florence, Florence*), **Anna Vanni<sup>1</sup>**, **Giulia Lamacchia<sup>1</sup>**, **Francesca Matani<sup>1</sup>**, **Lucia Bartoli<sup>2</sup>**, **Stefania Francalanci<sup>1</sup>**, **Lorenzo Salvati<sup>1</sup>**, **Alessio Mazzoni<sup>1</sup>**, **Manuela Capone<sup>1</sup>**, **Michele Spinicci<sup>1</sup>**, **Alessandro Bartoloni<sup>1</sup>**, **Laura Maggi<sup>1</sup>**, **Lorenzo Cosmi<sup>1</sup>**, **Francesco Liotta<sup>1</sup>**, **Francesco Annunziato<sup>1</sup>** (*<sup>1</sup>Florence, <sup>2</sup>Palermo*)
- P04 Salivary immune markers to improve diagnosis and prevention of periodontitis  
**Giulia Micheloni** (*University of Modena and Reggio Emilia, Modena*), **Valentina Selleri<sup>1,2</sup>**, **Stefania Bergamini<sup>1</sup>**, **Elisa Bellei<sup>1</sup>**, **Giorgia Sinigaglia<sup>1</sup>**, **Giada Zanini<sup>1</sup>**, **Anna Vittoria Mattioli<sup>2</sup>**, **Roberta Salvatori<sup>1</sup>**, **Milena Nasi<sup>3</sup>**, **Carlo Bertoldi<sup>1</sup>**, **Marcello Pinti<sup>1,2</sup>** (*<sup>1</sup>Modena, <sup>2</sup>Bologna*)
- P05 Dissecting the function of MS4A4A protein in macrophage biology  
**Alessia Troilo** (*University of Milan, Milan*), **Jiazhi Lin<sup>1</sup>**, **Luca De Feo<sup>2</sup>**, **Anna Rita Putignano<sup>2</sup>**, **Raffaello Viganò<sup>1</sup>**, **Francesca Brambilla<sup>1</sup>**, **Pierluigi Mauri<sup>1</sup>**, **Dario Di Silvestre<sup>1</sup>**, **Federica Marchesi<sup>1</sup>**, **Luca Mollica<sup>1</sup>**, **Francesca Magnani<sup>3</sup>**, **Benedetta Savino<sup>1,2</sup>**, **Massimo Locati<sup>1,2</sup>**, **Elena Monica Borroni<sup>1,2</sup>** (*<sup>1</sup>Segrate, <sup>2</sup>Rozzano, <sup>3</sup>Pavia*)



## POSTER SESSION 1 - JUNE 18, 2025 - 13:30-14:30

- P06 Skewing towards effector memory T cells induced by CD70 and 4-1BBL triplosensitivity as mechanism of immune dysregulation  
**Lorenzo Salvati** (*University of Florence, Florence*), **Alessio Mazzoni**, **Anna Vanni**, **Samuele Suraci**, **Boaz Palterer**, **Manuela Capone**, **Roberto Semeraro**, **Giulia Lamacchia**, **Lucia Bartoli**, **Francesca Matani**, **Valentina Cosi Becchi**, **Stefania Francalanci**, **Marco Del Carria**, **Emanuele Vivarelli**, **Gianluca Mattei**, **Alessandra Mingrino**, **Lucia Tiberi**, **Rosangela Artuso**, **Marilena Pantaleo**, **Silvia Guarducci**, **Alberto Magi**, **Andrea Matucci**, **Alessandra Vultaggio**, **Paola Parronchi**, **Francesco Liotta**, **Lorenzo Cosmi**, **Laura Maggi**, **Francesco Annunziato** (*Florence*)
- P07 Cxcr4-R334X mouse: a model to study WHIM syndrome pathogenesis and evaluate innovative gene correction treatment  
**Alessandra Zecchillo** (*San Raffaele Telethon Institute for Gene Therapy (SR-TIGET)*), **Martina Fiumara**<sup>1</sup>, **Simona Porcellini**<sup>1</sup>, **Daniele Canarutto**<sup>1</sup>, **Gabriele Pedrazzani**<sup>1</sup>, **Valeria Iannello**<sup>1</sup>, **Alessandra Cascio Ferro**<sup>1</sup>, **João P. Pereira**<sup>2</sup>, **Luigi Naldini**<sup>1</sup>, **Anna Villa**<sup>1,2</sup>, **Samuele Ferrari**<sup>1</sup>, **Maria Carmina Castiello**<sup>1,2</sup> (*<sup>1</sup>Milan, <sup>2</sup>New Haven - USA, <sup>3</sup>Rozzano*)
- P08 Beyond X-linked agammaglobulinemia: atypical BTK variants and immune dysregulation  
**Mattia Moratti** (*University of Rome Tor Vergata, Rome*), **Emma Manno**, **Elisa Profeti**, **Giulio Bausani**, **Marco Lecis**, **Beatrice Rivalta**, **Veronica Santilli**, **Silvia Di Cesare**, **Cristina Cifaldi**, **Donato Amodio**, **Andrea Finocchi**, **Giuseppe Palumbo**, **Gigliola Di Matteo**, **Paolo Palma**, **Caterina Cancrini** (*Rome*)
- P09 Inborn errors of immunity meet with real-life clinical settings: a single center experience of genetic profiling in humoral immune defects  
**Alessandro Andriano** (*University of Bari Aldo Moro, Bari*), **Vanessa Desantis**<sup>1</sup>, **Carolina Marasco**<sup>1</sup>, **Antonio Marzollo**<sup>2</sup>, **Silvia Bresolin**<sup>2</sup>, **Nicoletta Resta**<sup>1</sup>, **Lucia Di Marzo**<sup>1</sup>, **Fabrizio Pappagallo**<sup>1</sup>, **Antonella Mascolo**<sup>1</sup>, **Ingrid Caradonna**<sup>1</sup>, **Simona D'Amore**<sup>1</sup>, **Angelo Vacca**<sup>1</sup>, **Antonio Giovanni Solimando**<sup>1</sup> (*<sup>1</sup>Bari, <sup>2</sup>Padua*)
- P10 Definition of CTLA4 haplotypes and their worldwide genetic diversity  
**Eduardo Donadi** (*University of São Paulo, Ribeirão Preto, Brazil*), **Rafaela Barbosa**<sup>1</sup>, **Cinthia Alves**<sup>1</sup>, **Erick Castelli**<sup>2</sup>, **Celso Mendes Junior**<sup>1</sup>, **Nicolas Vince**<sup>3</sup>, **Leandro Colli**<sup>1</sup>, (*<sup>1</sup>Ribeirão Preto - BR, <sup>2</sup>Botucatu - BR, <sup>3</sup>Nantes - F*)

**POSTER SESSION 1 - JUNE 18, 2025 - 13:30-14:30**

- P11 Lipid-loaded macrophages promote resistance to immunotherapy in melanoma  
**Greta Meregalli** (*Humanitas University, Rozzano*), **Marta Pandini, Giulia Marelli, Federica Portale, Gianluca Basso, Desiree Giuliano, Gabriele De Simone, Chiara Camisachi, Dyvya Mishra, Diletta Di Mitri** (*Rozzano*)
- P12 Characterization of the molecular mechanisms underlying bone marrow stromal cell-induced multiple myeloma resistance to CAR-T cell therapy  
**Barbara Mariotti** (*University of Verona, Verona*), **Anna Russignan, Giorgia DeAngeli, Cristina Tecchio, Marco Cassatella, Flavia Bazzoni, Mauro Krampera** (*Verona*)
- P13 Human 3D model of bone metastasis to study the potential therapeutic role of natural killer cells  
**Monica Parodi** (*IRCCS Ospedale Policlinico San Martino, Genoa*), **Paola Orecchia, Maria Raineri, Sebastian Sulis Sato, Maddalena Mastrogiacomo, Anita Muraglia, Simonetta Astigiano, Filippo Piombo, Guido Ferlazzo, Massimo Vitale** (*Genoa*)
- P14 Donor-derived anti-leukemia CTL for the control of leukemia relapse in high-risk children after haploidentical HSCT  
**Daniela Montagna** (*University Pavia, Pavia*), **Matteo Tanzi, Enrica Montini, Patrizia Comoli, Gloria Taurino, Antonia Moretta, Tommaso Mina, Stella Boghen, Giovanna Giorgiani, Marco Zecca** (*Pavia*)
- P15 Characterizing thymic function in pediatric and young adult patients receiving allo-HCT using CD31 and CD38 markers  
**Shirley Genah** (*Bambino Gesù Children Hospital, Rome*), **Devin Mcavoy<sup>1</sup>, Alessio Taviani<sup>2</sup>, Kinga Hosszu<sup>1</sup>, Federica Galaverna<sup>2</sup>, Alexandre Troullioud Lucas<sup>1</sup>, Hannah Kunstek<sup>3</sup>, Marialuigia Catanoso<sup>2</sup>, Coco de Koning<sup>3</sup>, Angelica Mancusi<sup>2</sup>, Pietro Merli<sup>2</sup>, Valentina Bertaina<sup>2</sup>, Francesca Del Bufalo<sup>2</sup>, Stefan Nierkens<sup>3</sup>, Franco Locatelli<sup>2</sup>, Jaap-Jan Boelens<sup>1</sup>, Enrico Velardi<sup>2</sup>**  
(<sup>1</sup>New York - USA, <sup>2</sup>Rome, <sup>3</sup>Utrecht - NL)



## POSTER SESSION 1 - JUNE 18, 2025 - 13:30-14:30

- P16 Flow cytometric characterization of chimeric antigen receptor T-cells before and after infusion in patients with non-Hodgkin's B-cell lymphoma  
**Francesca Matani** (*University of Florence, Florence*), **Alessio Mazzoni**<sup>1</sup>, **Anna Vanni**<sup>1</sup>, **Lucia Bartoli**<sup>1,2</sup>, **Giulia Lamacchia**<sup>1</sup>, **Lorenzo Salvati**<sup>1</sup>, **Manuela Capone**<sup>1</sup>, **Stefania Francalanci**<sup>1</sup>, **Valentina Cosi Becchi**<sup>1</sup>, **Laura Maggi**<sup>1</sup>, **Benedetta Peruzzi**<sup>1</sup>, **Sara Pratesi**<sup>1</sup>, **Sara Bencini**<sup>1</sup>, **Roberto Caporale**<sup>1</sup>, **Ilaria Cutini**<sup>1</sup>, **Alessandro Maria Vannucchi**<sup>1</sup>, **Francesco Liotta**<sup>1</sup>, **Lorenzo Cosmi**<sup>1</sup>, **Chiara Nozzoli**<sup>1</sup>, **Francesco Annunziato**<sup>1</sup> (*Florence, <sup>2</sup>Palermo*)
- P17 Zeaxanthins promote anti-inflammatory and neuroprotective effects by aryl hydrocarbon receptor activation  
**Benedetta Pieroni** (*University of Perugia, Perugia*), **Giorgia Manni**<sup>1</sup>, **Giulia Mencarelli**<sup>1</sup>, **Doriana Ricciuti**<sup>1</sup>, **Francesco Sarnari**<sup>1</sup>, **Alessandro Pinzi**<sup>1</sup>, **Estevão Carlos Silva Barcelos**<sup>1</sup>, **Marco Gargaro**<sup>1</sup>, **Diana Amantea**<sup>2</sup>, **Francesca Fallarino**<sup>1</sup> (*Perugia, <sup>2</sup>Rende*)
- P18 A polyclonally expanded CD8 T cell repertoire is a strong correlate of tumour regression following Treg-targeted immunotherapy  
**Lorenzo Capitani** (*UK Dementia Research Institute, Cardiff*), **Sarah Lauder**<sup>1</sup>, **Kathryn Smart**<sup>1</sup>, **Gayathri Nageswaran**<sup>2</sup>, **Suzanne Byrne**<sup>2</sup>, **Benny Chain**<sup>2</sup>, **Andrew Godkin**<sup>1</sup>, **Awen Gallimore**<sup>1</sup> (*Cardiff - UK, <sup>2</sup>London - UK*)
- P19 The impact of S100B silencing on multiple sclerosis model: the role of glial cells  
**Gabriele Di Sante** (*University of Perugia, Perugia*), **Mariangela Ruggirello**<sup>2</sup>, **Elisasbetta Clementi**<sup>2</sup>, **Anna Maria Stabile**<sup>1</sup>, **Alessandra Pistilli**<sup>1</sup>, **Federica Valeriani**<sup>2</sup>, **Vincenzo Romano Spica**<sup>2</sup>, **Francesco Ria**<sup>2</sup>, **Mario Rende**<sup>1</sup>, **Fabrizio Michetti**<sup>2</sup> (*Perugia, <sup>2</sup>Rome*)
- P20 CD103-CD8+ T cells promote neurotoxic inflammation in Alzheimer's disease via granzyme K-PAR-1 signaling  
**Eleonora Terrabuio** (*University of Verona, Verona*), **Enrica Caterina Pietronigro**, **Vittorina Della Bianca**, **Antonella Calore**, **Elena Zenaro**, **Alessandro Bani**, **Matteo Calgari**, **Nicola Vitulo**, **Pallab Majumder**, **Nikolaos Varelzakis**, **Fabiana Maineri**, **Ermanna Turano**, **Giulia Finotti**, **Monica Castellucci**, **Barbara Rossi**, **Bruno Bonetti**, **Gabriela Constantin** (*Verona*)

**POSTER SESSION 1 - JUNE 18, 2025 - 13:30-14:30**

- P21 The impact of repeated traumatic brain injuries on the health of professional rugby players, with a focus on the role of circulating mtDNA  
**Valentina Selleri** (*University of Modena and Reggio Emilia, Modena*), **Roberta D'Alisera**<sup>1</sup>, **Giorgia Sinigaglia**<sup>1</sup>, **Giada Zanini**<sup>1</sup>, **Giulia Micheloni**<sup>1</sup>, **Gustavo Savino**<sup>1</sup>, **Anna Vittoria Mattioli**<sup>2</sup>, **Marcello Pinti**<sup>1,2</sup>, **Milena Nasi**<sup>1</sup> (*1Modena, 2Bologna*)
- P22 From data to diagnosis: biomarker discovery in amyotrophic lateral sclerosis  
**Davide Raineri** (*University of Piemonte Orientale, Novara*), **Fabiola De Marchi**, **Giuseppe Cappellano**, **Letizia Mazzini**, **Annalisa Chiocchetti** (*Novara*)
- P23 How high efficacy therapy modulates antiviral immune responses in multiple sclerosis patients  
**Silvia D'Orso** (*IRCCS Santa Lucia Foundation, Rome*), **Gisella Guerrera**<sup>1</sup>, **Mario Picozza**<sup>1</sup>, **Elena Olivieri**<sup>1</sup>, **Marta Pirronello**<sup>1</sup>, **Silvia Corbisiero**<sup>1</sup>, **Alice Verdiani**<sup>1</sup>, **Andrea Misiti**<sup>1</sup>, **Daniela Angelini**<sup>1</sup>, **Serena Ruggeri**<sup>1</sup>, **Maria Chiara Buscarinu**<sup>1</sup>, **Carla Tortorella**<sup>1</sup>, **Marco Salvetti**<sup>1</sup>, **Claudio Gasperini**<sup>1</sup>, **Bruno Gran**<sup>2</sup>, **Luca Battistini**<sup>1</sup>, **Giovanna Borsellino**<sup>1</sup> (*1Rome, 2Nottingham - UK*)
- P24 Study of T cell subsets in peripheral blood of multiple sclerosis patients treated with anti-CD20 mAb therapy  
**Miriam Di Caro** (*University of Palermo, Palermo*), **Marco Pio La Manna**, **Gabriele Sorbello**, **Nadia Caccamo**, **Paolo Ragonese**, **Giuseppe Salemi**, **Gianluca Guercio**, **Francesca Buffa**, **Miriam Sciortino**, **Fulvio Brucato**, **Francesco Dieli**, **Serena Meraviglia** (*Palermo*)
- P25 Sympathetic neuroimmune communication in lymphoid organs  
**Sofia Rossini** (*University of Perugia, Perugia*), **Sara Ambrosino**, **Miruna Viviana Oprea**, **Ciriana Orabona** (*Perugia*)
- P26 Periprandial high fat diet feeding impacts the blood count of neutrophils via cholinergic receptor nicotinic alpha 7 activation  
**Giovanni Battista Vingiani** (*University of Milan, Milan*), **Anna Parolini**, **Lorenzo Da Dalt**, **Annalisa Moregola**, **Alessia Rubino**, **Ottavia Terenghi**, **Laura Gullà**, **Marta Iaia**, **Fabrizia Bonacina**, **Danilo Norata**, **Andrea Baragetti** (*Milan*)



## POSTER SESSION 1 - JUNE 18, 2025 - 13:30-14:30

- P27 Impact of genetic lysosomal acid lipase deficiency on the immune system: focus on NK cells  
**Carola Garavaglia** (*University of Milan, Milan*), **Federica Cetti**<sup>1</sup>, **Fabrizia Bonacina**<sup>1</sup>, **Rossella Bellini**<sup>1</sup>, **Tiziano Lucchi**<sup>1</sup>, **Annalisa Madeo**<sup>2</sup>, **Liliana Grigore**<sup>3</sup>, **Albina Tummolo**<sup>4</sup>, **Fabio Nascimbeni**<sup>5</sup>, **Stefano Romeo**<sup>6</sup>, **Laura D'erasmo**<sup>7</sup>, **Giuseppe Indolfi**<sup>8</sup>, **Gianpaolo Mangia**<sup>9</sup>, **Antonino Bruno**<sup>1</sup>, **Maria Teresa Palano**<sup>1</sup>, **Barbara Bassani**<sup>1</sup>, **Danilo Norata**<sup>1</sup>, **Monica Gomaraschi**<sup>1</sup> (<sup>1</sup>Milan, <sup>2</sup>Genoa, <sup>3</sup>Balsamo, <sup>4</sup>Bari, <sup>5</sup>Modena, <sup>6</sup>Gothenburg - S, <sup>7</sup>Rome, <sup>8</sup>Florence, <sup>9</sup>Bergamo)
- P28 Innate lymphoid cell phenotypic and functional alterations in systemic juvenile idiopathic arthritis  
**Linda Quatrini** (*Ospedale Pediatrico Bambino Gesù, Rome*), **Cecilia Ciancaglini**, **Ivan Caiello**, **Silvia Santopolo**, **Manuela Pardeo**, **Valentina Matteo**, **Elena Loricchio**, **Antonella Insalaco**, **Marco Natale**, **Arianna de Matteis**, **Nicola Tumino**, **Claudia Bracaglia**, **Paola Vacca**, **Lorenzo Moretta**, **Fabrizio De Benedetti**, **Giusi Prencipe** (*Rome*)
- P29 Inhibition of DNAM-1-mediated intracellular signals and cytotoxicity upon NKG2D engagement in human NK cells  
**Caterina Marangio** (*La Sapienza University of Rome, Rome*), **Nadia Milito**, **Erisa Putro**, **Alessia Carnevale**, **Cristina Capuano**, **Alessandra Zingoni**, **Marco Cippitelli**, **Angela Santoni**, **Rossella Paolini**, **Rosa Molfetta** (*Rome*)
- P30 Macrophages regulate ILC2 responsivity and CTLA-4 expression in the tumor microenvironment  
**Cecilia Ciancaglini** (*IRCCS Bambino Gesù Children's Hospital, Rome*), **Silvia Santopolo**<sup>1</sup>, **Stefania Martini**<sup>2</sup>, **Francesca Scordamaglia**<sup>2</sup>, **Giuseppe Pietropaolo**<sup>1</sup>, **Mattia Laffranchi**<sup>1</sup>, **Giuseppe Sciumè**<sup>1</sup>, **Guido Ferlazzo**<sup>2</sup>, **Paola Vacca**<sup>1</sup>, **Lorenzo Moretta**<sup>1</sup>, **Linda Quatrini**<sup>1</sup> (<sup>1</sup>Rome, <sup>2</sup>Genoa)
- P31 Transcriptional programs of circulating natural killer cells reaching inflamed intestine  
**Arianna Maria Candelotti** (*Sapienza University of Rome, Rome*), **Giuseppe Pietropaolo**<sup>1,2</sup>, **Giordana Garzillo**<sup>1</sup>, **Stephen R. Brooks**<sup>3</sup>, **Binod Regmi**<sup>3</sup>, **Helena Stabile**<sup>1</sup>, **Cinzia Fionda**<sup>1</sup>, **Massimo Gadina**<sup>3</sup>, **Giuseppe Sciumè**<sup>1</sup> (<sup>1</sup>Rome, <sup>2</sup>Pozzilli, <sup>3</sup>Bethesda - USA)

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- P32 Optimization of a CRISPR-Cas9-based genome editing protocol for human and murine innate lymphocytes  
**Giordana Garzillo** (*Sapienza University of Rome, Rome*), **Giuseppe Pietropaolo**<sup>1</sup>, **Arianna Maria Candelotti**<sup>1</sup>, **Chiara Di Censo**<sup>1</sup>, **Jonas Seuren**<sup>1</sup>, **Sara Bartolini**<sup>1</sup>, **Marco De Santis**<sup>1</sup>, **Jibum Choi**<sup>1</sup>, **Elettra Asuka Aurora Celani**<sup>1</sup>, **Cinzia Fionda**<sup>1</sup>, **Helena Stabile**<sup>1</sup>, **Giuseppe Sciumè**<sup>1</sup> (*Roma, <sup>2</sup>Pozzilli*)
- P33 Effects of glucocorticoid therapy on immune reconstitution and function upon hematopoietic stem cell transplantation in cancer patients  
**Silvia Santopolo** (*IRCCS Bambino Gesù Children's Hospital, Rome*), **Cecilia Ciancaglini**<sup>1</sup>, **Han-Yu Shih**<sup>2</sup>, **Paola Vacca**<sup>1</sup>, **Lorenzo Moretta**<sup>1</sup>, **Linda Quatrini**<sup>1</sup> (*Rome, <sup>2</sup>Bethesda - USA*)
- P34 Role of placenta specific 8 in the regulation of innate lymphoid cells function  
**Ludovica Schiano** (*Sapienza University of Rome, Rome*), **Lorenzo Lucantonio**, **Silvia Ruggeri**, **Eleonora Russo**, **Giovanni Bernardini**, **Giuseppe Sciumè**, **Mattia Laffranchi**, **Silvano Sozzani**, **Angela Gismondi**, **Helena Stabile**, **Cinzia Fionda** (*Rome*)
- P35 Recombinant zoster vaccine in adult primary antibody deficiency patients: responsiveness, modulation of NK cell compartment and Fc-dependent antibody functions  
**Daniel Ciuti** (*Sapienza University of Rome, Rome*), **Cristina Capuano**, **Federica Pulvirenti**, **Gabriella Palmieri**, **Isabella Quinti**, **Ricciarda Galandrini** (*Rome*)
- P36 Multiple myeloma cells shift the fate of cytolytic group 2 innate lymphoid cells (ILC2s) towards TIGIT-mediated cell death  
**Fabiana Drommi** (*University of Messina, Messina*), **Alessia Calabrò**<sup>1</sup>, **Gaetana Pezzino**<sup>1</sup>, **Grazia Vento**<sup>1</sup>, **Josephine Freni**<sup>1</sup>, **Gregorio Costa**<sup>1</sup>, **Riccardo Cavaliere**<sup>1</sup>, **Irene Bonaccorsi**<sup>1</sup>, **Alessandro Allegra**<sup>1</sup>, **Guido Ferlazzo**<sup>2</sup>, **Claudia De Pasquale**<sup>1</sup>, **Stefania Campana**<sup>1</sup> (*Messina, <sup>2</sup>Genoa*)



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- P37 Evaluation of NK cells in neuropathic pain: correlation between degranulation and  $\mu$  opioid expression  
**Lucia Carmela Passacatini** (IRCCS San Raffaele, Rome), **Sara Ilari**<sup>1</sup>, **Saverio Nucera**<sup>2</sup>, **Federica Scarano**<sup>2</sup>, **Roberta Macri**<sup>2</sup>, **Rosamaria Caminiti**<sup>2</sup>, **Maria Serra**<sup>2</sup>, **Valeria Mazza**<sup>2</sup>, **Francesca Oppedisano**<sup>2</sup>, **Jessica Maiuolo**<sup>2</sup>, **Ernesto Palma**<sup>2</sup>, **Valentina Malafoglia**<sup>1</sup>, **William Raffaelli**<sup>3</sup>, **Vincenzo Mollace**<sup>2</sup>, **Carolina Muscoli**<sup>2</sup> (<sup>1</sup>Rome, <sup>2</sup>Catanzaro, <sup>3</sup>Rimini)
- P38 Evaluation of the antitumor effects of extra-virgin olive oil phenolic compounds extracted by a novel “green” chemistry approach: focus on oxidative genotoxic stress and inflammation  
**Michela Tozzi** (Istituto Superiore di Sanità, Rome), **Paola Rinzo**<sup>1</sup>, **Roberto Mattioli**<sup>1</sup>, **Federica Moschella**<sup>1</sup>, **Maria Cristina Quattrini**<sup>1</sup>, **Donatella Pietraforte**<sup>1</sup>, **Ilenia Laterza**<sup>1</sup>, **Zaira Maroccia**<sup>1</sup>, **Omar Leoni**<sup>1</sup>, **Daniele Macchia**<sup>1</sup>, **Massimo Spada**<sup>1</sup>, **Sofia Tomasoni**<sup>2</sup>, **Ranieri Verin**<sup>3</sup>, **Luciana Mosca**<sup>1</sup>, **Alessia Fabbri**<sup>1</sup>, **Laura Bracci**<sup>1</sup> (<sup>1</sup>Rome, <sup>2</sup>Legnaro, <sup>3</sup>Pisa)
- P39 Immunological alterations in chronic fatigue syndrome: T-cell imbalance, cytokine dysregulation, and gender-specific differences  
**Steliyan Petrov** (Medical University Plovdiv, Plovdiv), **Martina Bozhkova**<sup>1</sup>, **Maria Ivanovska**<sup>1</sup>, **Teodora Kalfova**<sup>1</sup>, **Katya Vaseva**<sup>1</sup>, **Dobrina Dudova**<sup>1</sup>, **Mariana Murdjeva**<sup>1</sup>, **Hristo Taskov**<sup>1</sup>, **Yana Todorova**<sup>2</sup>, **Maria Nikolova**<sup>2</sup>, **Michael Petrov**<sup>1</sup> (<sup>1</sup>Plovdiv - BG, <sup>3</sup>Sofia - BG)
- P40 A magnifying glass on the immunological properties of lipopolysaccharide (LPS) from the marine Gram-negative bacterium *Rheinheimera japonica*  
**Emanuela Andretta** (University of Naples Federico II, Naples), **Stefania De Chiara**, **Francesca Olmeo**, **Luca De Simone Carone**, **Flaviana Di Lorenzo** (Naples)
- P41 Calcineurin-nuclear factor of activated T cells axis in early stem cell commitment: a novel pathway in tissue regeneration  
**Stefano Cozzi** (University of Milano-Bicocca, Milan), **Laura Marongiu**, **Marco Galli**, **Giulia Stucchi**, **Giuseppe Rocca**, **Anna Celant**, **Metello Enzo Innocenti**, **Francesca Granucci** (Milan)

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- P42 Phenotypical and functional characterization of circulating immune cells in systemic mastocytosis patients  
**Stefania Francalanci** (*University of Florence*), **Sara Bencini**, **Manuela Capone**, **Anna Vanni**, **Giulia Lamacchia**, **Lucia Bartoli**, **Francesca Matani**, **Valentina Cosi Becchi**, **Alessio Mazzoni**, **Francesco Annunziato**, **Francesco Liotta**, **Lorenzo Cosmi**, **Laura Maggi** (*Florence*)
- P43 Modulating leukocyte migration through electric stimulation  
**Giulia Camoni** (*University of Bern, Bern, Switzerland*), **Britta Engelhardt<sup>1</sup>**, **Diego Ulisse Pizzagalli<sup>1,2</sup>** (*Bern - CH, <sup>2</sup>Lugano - CH*)
- P44 Mucosal associated invariant T cells infiltrating resectable non-small cell lung cancer exhibit a tissue resident memory phenotype, enhanced metabolic activation and strong pro-inflammatory properties  
**Sara De Biasi** (*University of Modena and Reggio Emilia, Modena*), **Domenico Lo Tartaro<sup>1</sup>**, **Beatrice Aramini<sup>2</sup>**, **Maristella Leccese<sup>1</sup>**, **Miriam D'Angerio<sup>1</sup>**, **Rosanna Di Tinco<sup>1</sup>**, **Alessandra Dubini<sup>2</sup>**, **Matteo Costantini<sup>2</sup>**, **Gianluca Degliesposti<sup>1</sup>**, **Alin Ciobanu<sup>1</sup>**, **Elena Santacroce<sup>1</sup>**, **Nikolaos Paschalidis<sup>3</sup>**, **Katarzyna Piwocka<sup>4</sup>**, **Gianluca Carnevale<sup>1</sup>**, **Lara Gibellini<sup>1</sup>**, **Andrea Cossarizza<sup>1</sup>**, (*<sup>1</sup>Modena, <sup>2</sup>Forli, <sup>3</sup>Athens - GR, <sup>4</sup>Warsaw - PL*)
- P45 Exploring mechanisms of immunotherapy resistance in ovarian cancer  
**Elisabetta Diana** (*Humanitas, Rozzano*), **Giulia Marelli<sup>1</sup>**, **Riccardo Zadro<sup>1</sup>**, **Laura Mannarino<sup>1</sup>**, **Sergio Marchini<sup>1</sup>**, **Gabriele De Simone<sup>1</sup>**, **Chiara Camisachi<sup>1</sup>**, **Gianluca Basso<sup>1</sup>**, **Marco Erreni<sup>1</sup>**, **Andrea Doni<sup>1</sup>**, **Giovanni Scambia<sup>2</sup>**, **Domenica Lorusso<sup>1</sup>**, **Diletta Di Mitri<sup>1</sup>** (*<sup>1</sup>Rozzano, <sup>2</sup>Rome*)
- P46 Effect of *Mycobacterium tuberculosis* on human lung macrophages: exploring the role in the context of lung cancer  
**Gina Memoli** (*University of Naples Federico II, Naples*), **Francesco Palestra<sup>1</sup>**, **Ewa Maj<sup>2</sup>**, **Noemi Maria Giorgiano<sup>1</sup>**, **Leonardo Cristinziano<sup>1</sup>**, **Anne Lise Ferrara<sup>1</sup>**, **Remo Poto<sup>1</sup>**, **Annagioia Ventrici<sup>1</sup>**, **Luca Modestino<sup>1</sup>**, **Maria Rosaria Galdiero<sup>1</sup>**, **Gianni Marone<sup>1</sup>**, **Alfonso Fiorelli<sup>1</sup>**, **Gilda Varricchi<sup>1</sup>**, **Stefania Loffredo<sup>1</sup>** (*<sup>1</sup>Naples, <sup>2</sup>Wroclaw - PL*)



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- P47 Characterization of B cells in murine models of triple-negative breast cancer  
**Valentina Sperto** (*IRCCS San Raffaele Scientific Institute, Milan*),  
**Maria Nelli**<sup>1</sup>, **Charles Perou**<sup>2</sup>, **Mirela Kuka**<sup>1</sup> (*Milan*, <sup>2</sup>*Chapel Hill - USA*)
- P48 Key role of IL-33-activated eosinophils in enhancing tumor immunovisibility and dendritic cell recruitment  
**Fabrizio Mattei** (*Istituto Superiore di Sanità, Rome*), **Adriana Rosa Gambardella**, **Caterina Antonucci**, **Lucrezia Gambardella**, **Giuseppe Parrottino**, **Francesco Noto**, **Adele De Ninno**, **Luca Businaro**, **Donatella Pietraforte**, **Paola Matarrese**, **Giovanna Schiavoni** (*Rome*)
- P49 Role of the atypical receptor CCRL2 in shaping immune responses in lung cancer microenvironment  
**Stefania Zini** (*University of Brescia, Brescia*), **Tiziana Schioppa**<sup>1,2</sup>, **Francesca Sozio**<sup>3</sup>, **Mattia Laffranchi**<sup>3</sup>, **Valentina Salvi**<sup>1</sup>, **Laura Tiberio**<sup>1</sup>, **Daniela Bosisio**<sup>1</sup>, **Barbara Bottazzi**<sup>2</sup>, **Alberto Mantovani**<sup>2</sup>, **Silvano Sozzani**<sup>3</sup>, **Annalisa Del Prete**<sup>1,2</sup> (*Brescia*, <sup>2</sup>*Rozzano*, <sup>3</sup>*Rome*)
- P50 Transferrin receptor CD71 sustains regulatory T cells in gut homeostasis and promotes effective anti-tumor immunity  
**Alessandra Pinzon Grimaldos** (*Sapienza University of Rome, Roma*), **Ilenia Pacella**, **Tiziano Giacomelli**, **Giorgia Sartori**, **Giuseppe Pietropaolo**, **Silvia Piconese** (*Rome*)
- P51 Epigenetic control of cancer stem cell immunoevasion: new opportunities from KDM1b  
**Martina Musella** (*Università Cattolica del Sacro Cuore, Rome*), **Ester Maccafeo**, **Nicoletta Manduca**, **Francesca Luongo**, **Antonella Sistigu** (*Rome*)
- P52 HFE polymorphism negatively affects pancreatic cancer progression and anti-tumor immune response  
**Ivan Depetro** (*University of Turin, Turin*), **Alessandro Scagliotti**<sup>1</sup>, **Giorgia Tiberi**<sup>1</sup>, **Paula Ariadna Diez**<sup>1</sup>, **Federica Rubbino**<sup>2</sup>, **Luana Greco**<sup>2</sup>, **Silvia Brugiapaglia**<sup>1</sup>, **Claudia Curcio**<sup>1</sup>, **Francesco Novelli**<sup>1</sup>, **Luigi Andrea Giuseppe Laghi**<sup>3</sup>, **Paola Cappello**<sup>1</sup> (*Turin*, <sup>2</sup>*Rozzano*, <sup>3</sup>*Parma*)

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- P53 Luspatercept treatment modulates immune-regulatory subsets in subjects with myelodysplastic syndrome with ring sideroblasts  
**Valentina Rubino** (*University of Naples Federico II, Naples*), **Stefania Leone<sup>1</sup>**, **Francesco Grimaldi<sup>1</sup>**, **Mara Memoli<sup>1</sup>**, **Scalia Giulia<sup>1</sup>**, **Annamaria Vincenzi<sup>1</sup>**, **Maria Di Perna<sup>2</sup>**, **Giuseppe Cerciello<sup>3</sup>**, **Antonio Vassallo<sup>4</sup>**, **Fabrizio Pane<sup>1</sup>**, **Alessandra Picardi<sup>1</sup>**, **Giuseppe Terrazzano<sup>4</sup>**, **Giuseppina Ruggiero<sup>1</sup>**, **Flavia Carriero<sup>4</sup>**, (<sup>1</sup>*Naples*, <sup>2</sup>*Salerno*, <sup>3</sup>*Benevento*, <sup>4</sup>*Potenza*)
- P54 Characterization of IDO1H350A mouse model expressing a loss-of function mutant of the enzyme indoleamine 2,3-dioxygenase 1  
**Sara Ambrosino** (*University of Perugia, Perugia*), **Sofia Rossini**, **Giada Mondanelli**, **Miruna Viviana Oprea**, **Ciriana Orabona** (*Perugia*)
- P55 Involvement of innate lymphocytes in the pathogenic mechanisms of colorectal cancer  
**Miriana Fallo** (*University of Palermo, Palermo*), **Marianna Lo Pizzo**, **Marco Pio La Manna**, **Giusto Davide Badami**, **Mahsa Rafieiyan**, **Francesco Dieli**, **Nadia Caccamo** (*Palermo*)
- P56 Role of IL17A in defining cancer extracellular matrix composition and as a consequence affecting immune infiltration  
**Paula Ariadna Diez** (*University of Turin, Turin*), **Giorgia Tiberi**, **Ermes Candiello**, **Alessandro Scagliotti**, **Ivan Depetro**, **Leonardo Morati**, **Annapaola Andolfo**, **Francesco Novelli**, **Paola Cappello** (*Turin*)
- P57 Immune regulation of CCR7+ dendritic cells at tumor sites  
**Beatrice Zitti** (*University of Geneva, Geneva, Switzerland*), **Florent Duval<sup>1,2</sup>**, **Mikael Pittet<sup>1,2</sup>** (<sup>1</sup>*Geneva - CH*, <sup>2</sup>*Lausanne - CH*)
- P58 Monocyte activation test performed on a mouse cell line for autogenous vaccine quality control: preliminary data  
**Antonella Di Paolo** (*Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche "Togo Rosati", Perugia*), **Claudia Colabella<sup>2</sup>**, **Rosario Liberti<sup>1</sup>**, **Lucia Anzalone<sup>1</sup>**, **Giulio Severi<sup>1</sup>**, **Monica Cagiola<sup>1</sup>** (<sup>1</sup>*Perugia*, <sup>2</sup>*Spoletto*)



## POSTER SESSION 1 - JUNE 18, 2025 - 13:30-14:30

- P59 Evaluation of broadly functional antibodies through the assessment of ADCC against HIV Env and Tat proteins: insights for HIV vaccine development  
**Elena Torreggiani** (*University of Ferrara, Ferrara*), **Mara Martino**<sup>1</sup>, **Beatrice Dallan**<sup>1</sup>, **Aurelio Cafaro**<sup>2</sup>, **Antonella Tripiciano**<sup>2</sup>, **Vittorio Francavilla**<sup>2</sup>, **Flavia Mancini**<sup>2</sup>, **Masimo Campagna**<sup>2</sup>, **Orietta Picconi**<sup>2</sup>, **Cecilia Sgardari**<sup>2</sup>, **Davide Proietto**<sup>1</sup>, **Martina De Lauretis**<sup>1</sup>, **Enrico Tassani**<sup>1</sup>, **Paolo Monini**<sup>2</sup>, **Antonella Caputo**<sup>1</sup>, **Riccardo Gavioli**<sup>1</sup>, **Barbara Ensoli**<sup>2</sup>, **Francesco Nicoli**<sup>1</sup> (<sup>1</sup>Ferrara, <sup>2</sup>Rome)
- P60 Longitudinal study on SARS-CoV-2 mRNA vaccine immunogenicity across individuals with different immunocompromising conditions: heterogeneity in the immune response and impact of omicron-adapted boosters  
**Annalisa Ciabattini** (*University of Siena, Siena*), **Elena Pettini**, **Fabio Fiorino**, **Jacopo Polvere**, **Simone Lucchesi**, **Chiara Coppola**, **Simone Costagli**, **Gabiria Pastore**, **Anna Sicuranza**, **Monica Tozzi**, **Arianna Lippi**, **Francesca Panza**, **Monica Bocchia**, **Alessandro Bucalossi**, **Guido Garosi**, **David Bennet**, **Sonia Bernazzali**, **Massimiliano Fabbiani**, **Francesca Montagnani**, **Donata Medaglini** (*Siena*)
- P61 Sex-specific transcriptional and epigenetic reprogramming occurs in peripheral blood neutrophils from chronic obstructive pulmonary disease patients  
**Barbara Mariotti** (*University of Verona, Verona*), **Chiara Bracaglia**, **Sara Gasperini**, **Giulia Sartori**, **Ernesto Crisafulli**, **Flavia Bazzoni** (*Verona*)

## POSTER SESSION 2 - JUNE 19, 2025 - 13:30-14:30

- P62 New blood markers of microvascular damage in systemic sclerosis  
**Annalisa Villa** (*Sapienza University of Rome, Rome*), **Chiara Pellicano**<sup>1</sup>, **Giancarlo D'Ippolito**<sup>1</sup>, **Amalia Colalillo**<sup>1</sup>, **Umberto Basile**<sup>2</sup>, **Antonietta Gigante**<sup>1</sup>, **Edoardo Rosato**<sup>1</sup> (*1Rome, 2Latina*)
- P63 Peripheral B cell imbalances and T-bet+ B cell expansion in autoimmune liver disorders  
**Silvia D'Orso** (*Sapienza University of Rome, Rome*), **Francesca La Gualana**, **Francesca Oliva**, **Annalisa Villa**, **Klara Radovik**, **Anthony Vignone**, **Guido Carpino**, **Vincenzo Cardinale**, **Silvia Acati**, **Massimo Fiorilli**, **Silvia Piconese**, **Marcella Visentini** (*Rome*)
- P64 Study of Immuno-modulatory effect of *Echinococcus granulosus* on the inflammatory response in Algerian patients with Crohn's disease  
**Lila Khelifi** (*Team 'Cytokines and NO Synthases/ Immunity and Pathogenesis' Laboratory of Cellular and Molecular Biology -FSB-USTHB, Algeria*), **Rania Boussa**, **Fahima Ameer**, **Imene Soufli**, **Manel Amri**, **Hou da Belguendouz**, **Hakim Chatter**, **Mohand Amoura**, **Abdennour Zeggane**, **Assia Slimani**, **Nassim Sid Idris**, **Chafia Touil-Boukoffa** (*Algers - DZ*)
- P65 Single-cell RNA and TCR sequencing suggests a key role for tissue-infiltrating EOMES+Tr1-like cells and their circulating precursors in autoimmune diseases  
**Camilla Righetti** (*Fondazione Istituto Nazionale di Genetica Molecolare, Milan*), **Petra Dad'ová**, **Eugenia Galeota**, **Nadia Pulvirenti**, **Sergio Abrignani**, **Jens Geginat** (*Milan*)
- P66 Psoriasis-related miRNAs activate NK cells by a complex pDC/ monocyte/NK cell crosstalk  
**Gaia Giongrandi** (*University of Brescia, Brescia*), **Valentina Salvi**<sup>1</sup>, **Carolina Gaudenzi**<sup>1</sup>, **Helena Stabile**<sup>2</sup>, **Angela Gismondì**<sup>2</sup>, **Silvano Sozzani**<sup>2</sup>, **Daniela Bosisio**<sup>1</sup> (*1Brescia, 2Rome*)
- P67 Unravelling the impact of targeting IL-17RA/IL-17RC in cystic fibrosis during chronic lung infections  
**Chiara Ferrari** (*IRCCS San Raffaele Scientific Institut, Milan*), **Fabio Saliu**<sup>1</sup>, **Giulia Rizzo**<sup>2</sup>, **Francesca Nicola**<sup>1</sup>, **Carla Chernichero**<sup>1</sup>, **Daniela Guidone**<sup>3</sup>, **Federico Di Marco**<sup>1</sup>, **Valeria Capurro**<sup>4</sup>, **Nicoletta Pedemonte**<sup>4</sup>, **Cristina Cigana**<sup>1</sup>, **Daniela Maria Cirillo**<sup>1</sup>, **Luis Juan Galiotta**<sup>3</sup>, **Nicola I Lorè**<sup>1</sup> (*1Milan, 2Pieve Emanuele, 3Pozzuoli, 4Genoa*)



## POSTER SESSION 2 - JUNE 19, 2025 - 13:30-14:30

- P68 Normothermic machine perfusion and inflammatory mediators adsorption in extended criteria kidney transplantation  
**Giandomenico Amico** (*Ri.Med Foundation, Palermo*), **Duilio Pagano**, **Rosalia Busà**, **Margot Lo Pinto**, **Ivan Vella**, **Agita Jukna**, **Sergio Calamia**, **Salvatore Piazza**, **Paola Salis**, **Barbara Buscemi**, **Pier Giulio Conaldi**, **Valentina Agnese**, **Massimo Pinzani**, **Simone Dario Scilabra**, **Salvatore Gruttadauria** (*Palermo*)
- P69 Dysregulated cytokine profiles associated with interleukin-17A suppression in B-cell acute lymphoblastic leukemia  
**Zekhethelo Mkhwanazi** (*University of KwaZulu-Natal, Durban - ZA*), **Tawanda Nyambuya**<sup>2</sup>, **Bongani B. Nkambule**<sup>1</sup> (*Durban - ZA*, <sup>2</sup>*Johannesburg - ZA*)
- P70 Multimodal analysis of tissue-resident dendritic cells reveals the immunosuppressive role of DCs type 3 in human NSCLC and a mouse lung tumor model  
**Giuseppe Rocca** (*University of Milano-Bicocca, Milan*), **Anna Celant**<sup>1</sup>, **Maria Sonechkina**<sup>1</sup>, **Giulia Protti**<sup>1</sup>, **Alessia Donato**<sup>1</sup>, **Marco Galli**<sup>1</sup>, **Giulia Stucchi**<sup>1</sup>, **Stefano Cozzi**<sup>1</sup>, **Francesco Lapi**<sup>1</sup>, **Carla Scalia**<sup>2</sup>, **Francesca Bono**<sup>2</sup>, **Chiara Damiani**<sup>1</sup>, **Roberto Spreafico**<sup>3</sup>, **Laura Marongiu**<sup>1</sup>, **Metello Enzo Innocenti**<sup>1</sup>, **Francesca Granucci**<sup>1</sup> (*Milan*, <sup>2</sup>*Monza*, <sup>3</sup>*Los Angeles - USA*)
- P71 Tissue-specific imprinting shapes conventional dendritic cell functionality in tumors and non-malignant tissues  
**Anna Celant** (*University of Milano-Bicocca, Milan*), **Giuseppe Rocca**, **Giulia Protti**, **Marco Galli**, **Giulia Stucchi**, **Stefano Cozzi**, **Laura Marongiu**, **Francesco Andreatta**, **Metello Enzo Innocenti**, **Francesca Granucci** (*Milan*)
- P72 Unraveling the role of Factor VIII in regulating inflammatory responses in dendritic cell subsets  
**Francesco Sarnari** (*University of Perugia, Perugia*), **Marco Gargaro**<sup>1</sup>, **Francesca Fallarino**<sup>1</sup>, **Estevao Carlos Silva Barcelos**<sup>1</sup>, **Alessandro Pinzi**<sup>1</sup>, **Giulia Mencarelli**<sup>1</sup>, **Giorgia Manni**<sup>1</sup>, **Benedetta Pieroni**<sup>1</sup>, **Doriana Ricciuti**<sup>1</sup>, **Antonia Follenzi**<sup>2</sup> (*Perugia*, <sup>2</sup>*Novara*)
- P73 Unveiling the role of migratory dendritic cells in liver cancer  
**Christian Simini** (*IRCCS Humanitas Research Hospital, Rozzano*), **Camilla Volponi**<sup>1,2</sup>, **Aurora Gazzillo**<sup>1,2</sup>, **Adriana Romanzi**<sup>1</sup>, **Eduardo Bonavita**<sup>1,2</sup> (*Rozzano*, <sup>2</sup>*Pieve Emanuele*)

## POSTER SESSION 2 - JUNE 19, 2025 - 13:30-14:30

- P74 Natriuretic peptides as novel regulators of dendritic cell-mediated inflammation  
**Doriana Ricciuti** (*University of Perugia, Perugia*), **Giorgia Manni**<sup>1</sup>, **Estevao Carlos Silva Barcelos**<sup>1</sup>, **Benedetta Pieroni**<sup>1</sup>, **Marco Gargaro**<sup>1</sup>, **Giulia Mencarelli**<sup>1</sup>, **Hans Acha-Orbea**<sup>2</sup>, **Anna La Rosa**<sup>1</sup>, **Vincenzo Nicola Talesa**<sup>1</sup>, **Letizia Mezzasoma**<sup>1</sup>, **Francesca Fallarino**<sup>1</sup> (<sup>1</sup>*Perugia*, <sup>2</sup>*Lausanne - CH*)
- P75 Turning defensins into regulators: myeloperoxidase-driven tyrosine halogenation as a novel immunomodulatory mechanism  
**Alessandro Foti** (*Max Planck Institute, Berlin*), **Robert Hurwitz**, **Kathrin Textoris-Taube**, **Ulrike Abuabed**, **Markus Ralser**, **Arturo Zychlinsky** (*Berlin - D*)
- P76 SARS-CoV-2 positive asymptomatic subjects present a regulatory immuno-profile in single cell gene expression comparison with symptomatic patients  
**Giulia Lamacchia** (*University of Florence, Florence*), **Anna Vanni**, **Laura Maggi**, **Alessio Mazzoni**, **Francesco Annunziato**, **Francesco Liotta**, **Lorenzo Cosmi**, **Lorenzo Salvati**, **Francesca Matani**, **Lucia Bartoli**, **Valentina Cosi Becchi**, **Stefania Francalanci**, **Samuele Suraci**, **Roberto Semeraro**, **Manuela Capone**, **Alberto Magi**, **Alessandro Bartoloni**, **Michele Spinicci**, **Filippo Lagi** (*Florence*)
- P77 Single-cell analysis reveals SARS-CoV-2 modulation of monocyte differentiation and immune response during Omicron BA.1 in vitro stimulation  
**Giada Cairo** (*Istituto Superiore di Sanità, Rome*), **Martina Severa**<sup>1</sup>, **Elena Criuscio**<sup>2</sup>, **Matteo Castelli**<sup>2</sup>, **Marilena Etna**<sup>1</sup>, **Daniela Ricci**<sup>1</sup>, **Roberto Burioni**<sup>2</sup>, **Anna Teresa Palamara**<sup>1</sup>, **Nicola Clementi**<sup>2</sup>, **Eliana Coccia**<sup>1</sup> (<sup>1</sup>*Rome*, <sup>2</sup>*Milan*)
- P78 Multiomics profiling reveals a subset of NKG2A+ Vδ2+ T cells associated to response to PD-1 blockade in non-small cell lung cancer  
**Giusto Davide Badami** (*University of Palermo, Palermo*), **Mojtaba Shekarkar Azgomi**<sup>2</sup>, **Valerio Gristina**<sup>1</sup>, **Marco Pio La Manna**<sup>1</sup>, **Nadia Caccamo**<sup>1</sup>, **Francesco Dieli**<sup>1</sup> (<sup>1</sup>*Palermo*, <sup>2</sup>*Lille - France*)



**POSTER SESSION 2 - JUNE 19, 2025 - 13:30-14:30**

POSTER SESSION 2

- P79 Single-cell transcriptomic profiling of mast cells in a mouse model of colorectal cancer  
**Erisa Putro** (*Sapienza University of Rome, Rome*), **Alessia Carnevale, Caterina Marangio, Valerio Fulci, Giovanna Peruzzi, Cinzia Fionda, Helena Stabile, Giuseppe Pietropaolo, Giuseppe Sciumè, Angela Gismondi, Rosa Molfetta, Rossella Paolini** (*Rome*)
  
- P80 Dissecting the role of mast cells in colorectal cancer progression  
**Alessia Carnevale** (*Sapienza University of Rome, Rome*), **Caterina Marangio, Erisa Putro, Giuseppe Pietropaolo, Francesca Sozio, Giuseppe Sciumè, Silvano Sozzani, Rosa Molfetta, Rossella Paolini** (*Rome*)
  
- P81 Characterization of interferon dependent lncRNAs in blood neutrophils from chronic obstructive pulmonary disease patients  
**Chiara Bracaglia** (*University of Verona, Verona*), **Barbara Mariotti, Sara Gasperini, Giulia Sartori, Ernesto Crisafulli, Flavia Bazzoni** (*Verona*)
  
- P82 Investigating mast cells in high-grade serous ovarian cancer from tissue organization to functional behavior  
**Eleonora Capezzali** (*University of Udine, Udine*), **Martina Arcieri, Stefano Restaino, Alessandro Mangogna, Silvia Tonon, Viviana Valeri, Eleonora Martinis, Carolina Ricci, Matteo Pivetta, Giuseppe Vizzielli, Carlo Pucillo, Barbara Frossi** (*Udine*)
  
- P83 Circulating immune and metabolomic landscape of multiple sclerosis patients treated with different immunomodulatory therapy  
**Alin Liviu Ciobanu** (*University of Modena and Reggio Emilia, Modena*), **Sara De Biasi<sup>1</sup>, Domenico Lo Tartaro<sup>1</sup>, Nikolaos Paschalidis<sup>2</sup>, Elena Santacroce<sup>1</sup>, Gianluca Degliesposti<sup>1</sup>, Miriam D'Angerio<sup>1</sup>, Maristella Leccese<sup>1</sup>, Lara Gibellini<sup>1</sup>, Martina Cardì<sup>1</sup>, Diana Ferraro<sup>1</sup>, Andrea Cossarizza<sup>1</sup>** (*<sup>1</sup>Modena, <sup>2</sup>Athens - GR*)
  
- P84 Growth differentiation factor 15 levels in eating disorders patients  
**Maria Rachele Ceccarini** (*University of Perugia, Perugia*), **Laura Dalla Ragione<sup>2</sup>, Michela Codini<sup>1</sup>** (*<sup>1</sup>Perugia, <sup>2</sup>Rome*)

## POSTER SESSION 2 - JUNE 19, 2025 - 13:30-14:30

- P85 Aging-related lipid dysregulation impairs T lymphocyte function and immune response  
**Enrico Tassani** (*University of Ferrara, Ferrara*), **Martina De Laurentis<sup>1</sup>**, **Davide Proietto<sup>1</sup>**, **Beatrice Dallan<sup>1</sup>**, **Mara Martino<sup>1</sup>**, **David A. Price<sup>2</sup>**, **Victor Appay<sup>3</sup>**, **Stefano Volpato<sup>1</sup>**, **Benedetta Govoni<sup>1</sup>**, **Edoardo Locatelli<sup>1</sup>**, **Amedeo Zurlo<sup>1</sup>**, **Antonella Caputo<sup>1</sup>**, **Riccardo Gavioli<sup>1</sup>**, **Elena Torreggiani<sup>1</sup>**, **Francesco Nicoli<sup>1</sup>** (<sup>1</sup>Ferrara, <sup>2</sup>Cardiff - UK, <sup>3</sup>Bordeaux - F)
- P86 Age-related metabolic shifts in T cells impact vaccine response: insights into immunosenescence  
**Davide Proietto** (*University of Ferrara, Ferrara*), **Elena Torreggiani<sup>1</sup>**, **Beatrice Dallan<sup>1</sup>**, **Martina De Laurentis<sup>1</sup>**, **Eleonora Gallerani<sup>1</sup>**, **Mara Martino<sup>1</sup>**, **Victor Appay<sup>2</sup>**, **Antonella Caputo<sup>1</sup>**, **Josine van Beek<sup>3</sup>**, **Riccardo Gavioli<sup>1</sup>**, **Debbie Van Baarle<sup>3</sup>**, **Francesco Nicoli<sup>1</sup>** (<sup>1</sup>Ferrara, <sup>2</sup>Bordeaux - F, <sup>3</sup>Groningen - NL)
- P87 Immunometabolic role of Kupffer cell-derived apolipoprotein E  
**Laura Gullà** (*University of Milan, Milan*), **Annalisa Moregola**, **Francesca Fantini**, **Maria Deneuve San Pedro**, **Arianna Moretti**, **Lucia Belotti**, **Alice Ossoli**, **Laura Calabresi**, **Danilo Norata**, **Fabrizia Bonacina** (*Milan*)
- P88 The sterol element binding protein 1C (SREBP1c) preserves immunosuppressive function of regulatory T cells by controlling phospholipid metabolism  
**Fabrizia Bonacina** (*University of Milan, Milan*), **Claudio Procaccini<sup>2</sup>**, **Monika Svecla<sup>1</sup>**, **Silvia Pedretti<sup>1</sup>**, **Jeroen Bogie<sup>3</sup>**, **Arianna moretti<sup>1</sup>**, **Giovanni Battista Vingiani<sup>1</sup>**, **Annalisa Moregola<sup>1</sup>**, **Giulia Biagioli<sup>4</sup>**, **Claudia Russo<sup>2</sup>**, **Giusy De Rosa<sup>2</sup>**, **Claudia La Rocca<sup>2</sup>**, **Nico Mitro<sup>1</sup>**, **Giuseppe Matarese<sup>2</sup>**, **Danilo Norata<sup>1</sup>** (<sup>1</sup>Milan, <sup>2</sup>Naples, <sup>3</sup>Diepenbeek - B, <sup>4</sup>Perugia)
- P89 RIGENERA® biomaterial functionalized by ZnAl-hydroxycalcite and gallic acid prevents osteoclast formation in vitro as potential tool for periodontitis treatment  
**Chiara Suvieri** (*University of Perugia, Perugia*), **Valeria Ambrogli<sup>1</sup>**, **Maria Bastianini<sup>2</sup>**, **Michele Sisani<sup>2</sup>**, **Stefano Pagano<sup>1</sup>**, **Lorella Marinucci<sup>1</sup>**, **Maria Teresa Pallotta<sup>1</sup>**, **Luca Canton<sup>3</sup>**, **Maria Laura Belladonna<sup>1</sup>** (<sup>1</sup>Perugia, <sup>2</sup>Ponte Felcino, <sup>3</sup>Povolaro di Dueville)



## POSTER SESSION 2 - JUNE 19, 2025 - 13:30-14:30

- P90 Monocyte response to mitochondrial damage-associated molecular pattern in elderly subjects: correlation with chronic inflammation and atherosclerosis  
**Giorgia Sinigaglia** (*University of Modena and Reggio Emilia, Modena*), **Valentina Selleri**<sup>1,2</sup>, **Giada Zanini**<sup>1</sup>, **Giulia Micheloni**<sup>1</sup>, **Isabella Martusciello**<sup>1</sup>, **Silvia Alboni**<sup>1</sup>, **Milena Nasi**<sup>2</sup>, **Marcello Pinti**<sup>1</sup> (*1Modena, 2Bologna*)
- P91 Quercetin enriched diet improves tissue regeneration in a model of short bowel syndrome  
**Marcello Chieppa** (*University of Salento, Lecce*), **Marianna Kashyrina**<sup>1</sup>, **Alessandro Miraglia**<sup>1</sup>, **Diana Vardanyan**<sup>1</sup>, **Alfredo Papa**<sup>2</sup>, (*1Lecce, 2Rome*)
- P92 Regulation of intestinal epithelial barrier by the atypical receptor CCRL2  
**Lorenzo Evangelista** (*Sapienza University of Rome, Rome*), **Francesca Sozio**<sup>1</sup>, **Tiziana Schioppa**<sup>2,3</sup>, **Mattia Laffranchi**<sup>1</sup>, **Cinzia Fionda**<sup>1</sup>, **Annalisa Del Prete**<sup>2,3</sup>, **Silvano Sozzani**<sup>1</sup> (*1Rome, 1Brescia, 3Rozzano*)
- P93 Targeting the innate immune system with postbiotics: a strategy for controlling intestinal inflammation  
**Piera Molisso** (*Humanitas University, Pieve Emanuele*), **Silvia Carnevale**<sup>2</sup>, **Silvia Giugliano**<sup>1</sup>, **Giuseppe Penna**<sup>2</sup>, **Anna Rigatelli**<sup>2</sup>, **Anna Pia Lasaracina**<sup>2</sup>, **Giovanna Grieco**<sup>1,2</sup>, **Irene Di Ceglie**<sup>2</sup>, **Alessandro Bernardinello**<sup>1,2</sup>, **Giovanni Pezone**<sup>2</sup>, **Maria Rescigno**<sup>1,2</sup>, **Sebastien Jaillon**<sup>1,2</sup> (*1Pieve Emanuele, 2Milan*)
- P94 Single-cell RNA profiling of mature PMN-MDSCs from cancer patients and G-CSF-treated donors  
**Chiara Lattanzi** (*University of Verona, Verona*), **Nicola Tamassia**, **Francisco Miguel Angel Bianchetto Aguilera**, **Francesca Pettinella**, **Marta Donini**, **Barbara Mariotti**, **Monica Castellucci**, **Elena Caveggon**, **Flavia Bazzoni**, **Maurizio Cantini**, **Sara Pilotto**, **Michele Milella**, **Marco Cassatella**, **Patrizia Scapini** (*Verona*)
- P95 Deep immune characterization of rheumatoid arthritis and osteoarthritis synovial biopsies through imaging mass cytometry  
**Riccardo Sinella** (*University of Eastern Piedmont, Novara*), **Giada Carlucci**<sup>1</sup>, **Davide Raineri**<sup>1</sup>, **Annalisa Chiocchetti**<sup>1</sup>, **Giuseppe Cappellano**<sup>1</sup>, **Liliane Fossati-Jimack**<sup>2</sup>, **Costantino Pitzalis**<sup>2</sup>, **Alessandra Nerviani**<sup>2</sup> (*1Novara, 2London - UK*)

## POSTER SESSION 2 - JUNE 19, 2025 - 13:30-14:30

- P96 *Roseomonas mucosa* as a potential driver of intestinal fibrosis in Crohn's disease: a multi-omic approach  
**Sabrina Nicolò** (*Università Vita-Salute San Raffaele, Milan*), **Luca Massimino**, **Tommaso Lorenzo Parigi**, **Carmela Errico**, **Valentina Bozzetti**, **Stefania Cagliani**, **Salvatore Spanò**, **Federica Ungaro**, **Silvio Danese** (*Milan*)
- P97 Single-cell RNA-sequencing analysis to identify immune evasion in different histotypes of ovarian cancer  
**Annalisa Imperiali** (*University of Milan, Milan*), **Joanna Mikulak**, **Paolo Marzano**, **Valentina Cazzetta**, **Domenico Vitobello**, **Barbara Fiamengo**, **Maurizio D'Incalci**, **Sergio Marchini**, **Domenico Mavilio** (*Milan*)
- P98 Polo-like kinase 1 orchestrates cytoskeletal remodeling to promote cytotoxic T lymphocyte migration  
**Leandro Marzuoli** (*University of Siena, Siena*), **Fabrizia Zevolini**, **Anna Onnis**, **Francesca Finetti**, **Cosima Baldari** (*Siena*)
- P99 High-grade serous ovarian cancer: characterizing B cells in tumor microenvironment and peripheral blood for personalized medicine  
**Eleonora Capezzali** (*University of Udine, Udine*), **Martina Arcieri**, **Stefano Restaino**, **Silvia Tonon**, **Carolina Ricci**, **Viviana Valeri**, **Eleonora Martinis**, **Matteo Pivetta**, **Maria Orsaria**, **Laura Mariuzzi**, **Carlo Pucillo**, **Giuseppe Vizzielli**, **Barbara Frossi** (*Udine*)
- P100 Immunophenotypic imbalance and metabolic dysfunction of tumor-infiltrating B cells in colorectal cancer  
**Eleonora Martinis** (*University of Udine, Udine*), **Silvia Tonon**, **Viviana Valeri**, **Carolina Ricci**, **Caterina Trevisan**, **Eleonora Capezzali**, **Matteo Pivetta**, **Barbara Frossi**, **Carlo Pucillo** (*Udine*)
- P101 T cell-derived IFN- $\gamma$  suppresses T follicular helper cell differentiation and antibody responses  
**Maria Nelli** (*Vita-Salute San Raffaele University, Milan*), **Eleonora Sala**<sup>1</sup>, **Chiara Laura**<sup>1</sup>, **Pietro Di Lucia**<sup>1</sup>, **Cristian Beccaria**<sup>1</sup>, **Elisa Bono**<sup>1</sup>, **Marta Mangione**<sup>1</sup>, **Davide Marotta**<sup>1</sup>, **Valentina Sperto**<sup>1</sup>, **Marta Grillo**<sup>1</sup>, **Leonardo Giustini**<sup>1</sup>, **Fabio Tosi**<sup>1</sup>, **Jia Nie**<sup>2</sup>, **Daehong Kim**<sup>3</sup>, **Giuliana Furiato**<sup>1</sup>, **Chiara Malpighi**<sup>1</sup>, **Burkhard Becher**<sup>3</sup>, **David Eyal**<sup>4</sup>, **Cohen Merav**<sup>5</sup>, **Giladi Amir**<sup>4</sup>, **Amit Ido**<sup>4</sup>, **Remy Bosselut**<sup>2</sup>, **Luca G Guidotti**<sup>1</sup>, **Matteo Iannacone**<sup>1</sup>, **Mirela Kuka**<sup>1</sup> (*<sup>1</sup>Milan, <sup>2</sup>Bethesda - USA, <sup>3</sup>Zurich - CH, <sup>4</sup>Rehovot - IL, <sup>5</sup>Tel Aviv - IL*)



## POSTER SESSION 2 - JUNE 19, 2025 - 13:30-14:30

POSTER SESSION 2

- P102 Germline BRCA1 mutations carriers have enhanced type-2 immunity at baseline and stronger response to flu vaccine  
**Giorgia Sartori** (*Sapienza University of Rome, Rome*), **Ilenia Cammarata**, **Marzia Facchini**, **Simona Puzelli**, **Concetta Fabiani**, **Eliana Coccia**, **Martina Severa**, **Maurizio Sorice**, **Laura De Marchis**, **Silvia Piconese** (*Rome*)
  
- P103 Systemic accumulation of highly differentiated T cell effectors and their functional link to vascular inflammation in a mouse model of recurrent psoriasis  
**Eva Reali** (*University of Ferrara, Ferrara*), **Chiara Terranova**<sup>1</sup>, **Fabio Casciano**<sup>1</sup>, **Laura Marongiu**<sup>2</sup>, **Alex Spitilli**<sup>1</sup>, **Anna Caproni**<sup>1</sup>, **Peggy Marconi**<sup>1</sup>, **Francesca Granucci**<sup>2</sup>, **Paola Secchiero**<sup>1</sup> (*<sup>1</sup>Ferrara, <sup>2</sup>Milan*)
  
- P104 Analysis of the transcriptional profile of circulating neutrophils from chronic obstructive pulmonary disease patients  
**Carlo Frigenti** (*University of Verona, Verona*), **Barbara Mariotti**, **Flavia Bazzoni** (*Verona*)
  
- P105 Differential in vitro effects of serum mediators from systemic sclerosis and VEDOSS patients on endothelial cells  
**Annagioia Ventrici** (*University of Naples Federico II, Naples*), **Luca Modestino**, **Leonardo Cristinziano**, **Manuela Tumminelli**, **Francesca Wanda Rossi**, **Gilda Varricchi**, **Amato de Paulis**, **Maria Rosaria Galdiero** (*Naples*)
  
- P106 Bacterial stimuli trigger orofacial granulomatosis pathomechanism trough activating monocytes and neutrophils  
**Luca Modestino** (*University Hospital of Naples Federico II, Naples*), **Francesco Palestra**, **Annagioia Ventrici**, **Gina Memoli**, **Anne Lise Ferrara**, **Leonardo Cristinziano**, **Gilda Varricchi**, **Stefania Loffredo**, **Maria Rosaria Galdiero** (*Naples*)
  
- P107 Human virtual memory CD8+ T cells: the role of cytokines on cell development and functionality  
**María Estefanía Viano** (*University of Milan, Milan*), **Simone Balin**<sup>1</sup>, **Paolo Marzano**<sup>1,2</sup>, **Silvia Della Bella**<sup>1,2</sup>, **Domenico Mavilio**<sup>2</sup> (*<sup>1</sup>Milan, <sup>2</sup>Rozzano*)

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- P108 Engineered human CD34+ hematopoietic stem cells as an innovative approach to modulate the immunoinflammatory response during atherosclerosis  
**Arianna Moretti** (*University of Milan, Milan*), **Sara Greco, Annalisa Moregola, Giovanni Battista Vingiani, Laura Gullà, Marta Iaia, Danilo Norata, Fabrizia Bonacina** (*Milan*)
- P109 Development of a score derived from full blood count parameters to differentiate individuals with active tuberculosis from latent infected  
**Marco Pio La Manna** (*University of Palermo, Palermo*), **Giusto Davide Badami, Miriana Fallo, Francesco Dieli, Nadia Caccamo** (*Palermo*)
- P110 Distinctive features of tumor-infiltrating  $\gamma\delta$  T lymphocytes in human glioblastoma multiforme  
**Costanza Dieli** (*University of Palermo, Palermo*), **Rosario Maugeri, Claudia Avellone, Marta Di Simone, Gerardo Iacopino, Francesco Dieli, Lara Brunasso, Anna Maria Corsale, Silvana Tumbiolo, Serena Meraviglia** (*Palermo*)
- P111 Immunotherapeutic efficacy of discoidin domain receptor 2/type 1 collagen inhibition in high-grade serous carcinoma  
**Martina Kunkl** (*Sapienza University of Rome, Rome*), **Ilenia Masi, Flavia Ottavì, Silvia Malatesta, Virginia Vigiano Benedetti, Manolo Sambucci, Luca Battistini, Francesco Spallotta, Emanuele Mauri, Laura Rosanò, Loretta Tuosto** (*Rome*)
- P112 The potential of a combination therapy comprising chemotherapy, eganelisib and DNA vaccination to impede the progression of pancreatic cancer  
**Martina Perin** (*University of Turin, Turin*), **Simona Intonti<sup>1</sup>, Silvia Brugiapaglia<sup>1</sup>, Demis Grosso<sup>1</sup>, Alessandro Scagliotti<sup>1</sup>, Ferdinando Spagnolo<sup>2</sup>, Claudia Curcio<sup>1</sup>** (*<sup>1</sup>Turin, <sup>2</sup>Rome*)
- P113  $\gamma\delta$  T cells and immune checkpoints in colorectal cancer: a new avenue for immunotherapy  
**Salvatore Marchiafava** (*University of Palermo, Palermo*), **Marta Di Simone, Anna Maria Corsale, Claudia Avellone, Costanza Dieli, Marta Biondo, Cirino Botta, Francesco Dieli, Serena Meraviglia** (*Palermo*)



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- P114 Shared and distinct alterations in mucosal innate lymphoid cells in patients with inflammatory bowel disease  
**Claudia Avellone** (*University of Palermo, Palermo*), **Mahsa Rafieiyar**, **Costanza Dieli**, **Filippo Mocciaro**, **Robert o Di Mitri**, **Andrea De Gaetano**, **Marta Di Simone**, **Anna Maria Corsale**, **Francesco Dieli**, **Serena Meraviglia**, **Elena Lo Presti** (*Palermo*)
- P115 Human lung macrophages and circulating monocytes might contribute to bacterial infection susceptibility and prognosis of lung cancer patients  
**Francesco Palestra** (*University of Naples Federico II, Naples*), **Gina Memoli**, **Noemi Maria Giorgiano**, **Leonardo Cristinziano**, **Remo Poto**, **Anne Lise Ferrara**, **Gilda Varricchi**, **Gianni Marone**, **Alforonso Fiorelli**, **Stefania Loffredo** (*Naples*)
- P116 Peripheral blood neutrophils and monocytes differentially predict response to anti-PD-1 and BRAF/MEK inhibitors therapy in stage III melanoma patients  
**Luca Modestino** (*University Hospital of Naples Federico II, Naples*), **Leonardo Cristinziano**, **Annagioia Ventrici**, **Carlo Gabriele Tocchetti**, **Teresa Troiani**, **Gilda Varricchi**, **Maria Rosaria Galdiero** (*Naples*)
- P117 Peripheral blood neutrophils in advanced melanoma patients undergoing immunotherapy with anti-PD1 immuno-checkpoint inhibitors (ICI)  
**Annagioia Ventrici** (*University of Naples Federico II, Naples*), **Luca Modestino**, **Leonardo Cristinziano**, **Marilena Capone**, **Gabriele Madonna**, **Gilda Varricchi**, **Paolo Antonio**, **Maria Rosaria Galdiero** (*Naples*)
- P118 Single cells flow cytometry and transcriptomic analysis of different layers of human glioblastoma revealed an impairment of tumor infiltrating lymphocytes function  
**Anna Vanni** (*University of Florence, Florence*), **Laura Maggi**, **Francesca Matani**, **Camilla Bonaudo**, **Alessio Mazzoni**, **Manuela Capone**, **Giulia Lamacchia**, **Roberto Semeraro**, **Marialea De Gregorio**, **Lorenzo Salvati**, **Lucia Bartoli**, **Stefania Francalanci**, **Valentina Cossi**, **Becchi**, **Mirko Petti**, **Filippo Nozzoli**, **Alberto Magi**, **Lorenzo Cosmi**, **Francesco Liotta**, **Alessandro Della Puppa**, **Francesco Annunziato** (*Florence*)

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- P119    **Uncovering new targets and pathways to improve the efficacy of combination immunotherapy for lung cancer**  
**Adriana Romanzi** (*IRCCS Humanitas Research Hospital, Rozzano*),  
**Silvia Carnevale<sup>1</sup>, Camilla Volponi<sup>1, 2</sup>, Aurora Gazzillo<sup>1,2</sup>, Christian Simini<sup>1</sup>, Enrico Lugli<sup>1</sup>, Sebastien Jaillon<sup>1,2</sup>, Eduardo Bonavita<sup>1,2</sup>**  
*(<sup>1</sup>Rozzano, <sup>2</sup>Pieve Emanuele)*
- P120    **VS-15 inhibits both the enzymatic and non-enzymatic functions of indoleamine 2,3-dioxygenase 1**  
**Eleonora Panfili** (*University of Perugia, Perugia*), **Sarah Jane Rezzi<sup>2</sup>, Annalisa Adamo<sup>3</sup>, Stefano Ugel<sup>3</sup>, Tracey Pirali<sup>2</sup>, Maria Teresa Pallotta<sup>1</sup>** (*<sup>1</sup>Perugia, <sup>2</sup>Novara, <sup>3</sup>Verona*)
- P121    **Turning 'cold' tumors 'hot': ERAP1 inhibition remodels the tumor microenvironment of melanoma**  
**Paula Gragera** (*Ospedale Pediatrico Bambino Gesù, Rome*),  
**Valentina Scaldaferri<sup>1</sup>, Verena Damiani<sup>1</sup>, Martha Nikopaschou<sup>2</sup>, Susanna Dolci<sup>1</sup>, Martina Samiotaki<sup>3</sup>, Yaroslav Kaminskiy<sup>4</sup>, Rui Branca<sup>4</sup>, Efstratios Stratikos<sup>2</sup>, Doriana Fruci<sup>1</sup>** (*<sup>1</sup>Roma, <sup>2</sup>Athens - GR, <sup>3</sup>Vari - GR, <sup>4</sup>Solna - S*)

