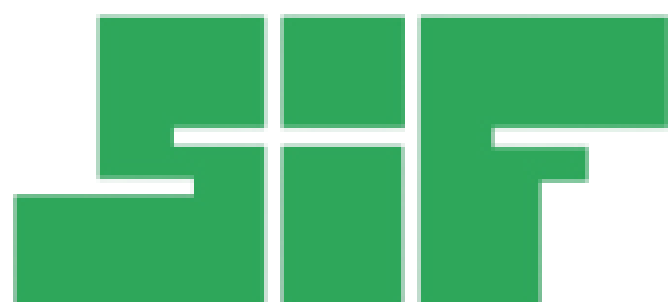




SOCIETÀ ITALIANA DI FARMACOLOGIA

CONVEGNO
MONOTEMATICO
SIF

THE IMPACT OF MICRO- AND MACRO-ENVIRONMENTS ON IMMUNITY AND INFLAMMATION: PAVING THE WAY FOR NOVEL IMMUNOTHERAPIES

JUNE 16-17TH, 2025



Auditorium
San Francesco al Prato,
Perugia

Monday, June 16 2025

13.00 - 14.00 Registration of participants

14.00 - 14:15 Institutional Greetings

Introductory Remarks by the Organizing Committee

14.15 - 15.45 Selected Oral Presentations: Session 1 – Micro and Macro environment in Tumours

Chairs: Bruscoli Stefano (University of Perugia) + Casili Giovanna (University of Messina)

• **Disrupting Aryl Hydrocarbon Receptor Sensing Boosts cDC1-Driven Antitumor Immunity in the Tumor Microenvironment**

Doriana Riccuti (University of Perugia), Estevão Carlos Silva Barcelos, Andrea Marra, Giorgia Manni, Giada Mondanelli, Francesco Sarnari, Giulia Mencarelli, Alessandro Pinzi, Benedetta Pieroni, Giulia Scalisi, Antonio Macchiarulo, Marco Colonna, Kenneth M. Murphy, Francesca Fallarino, Marco Gargaro

• **Mapping Hypoxia-Driven T Cell Plasticity in Cholangiocarcinoma for a Novel Treg-Targeted Immunotherapy**

Luigi Cari (University of Perugia), Procaccini Martina, Leoncini Giuseppe, Graziella Migliorati, Giuseppe Nocentini

• **VS-15 as a dual inhibitor of Indoleamine 2,3-Dioxygenase 1: targeting enzymatic and non-enzymatic functions**

Eleonora Panfili (University of Perugia), Sarah Jane Rezzi, Annalisa Adamo, Stefano Ugel, Tracey Pirali, Maria Teresa Pallotta

• **Combining mTOR inhibitor and Immunotherapy does not reduce lung tumor progression**

Chiara Colarusso (University of Salerno), Simone Di Caprio, Emmanuel D'Andria, Anna Falanga, Michela Terlizzi and Rosalinda Sorrentino

• **Dysregulated circulating innate lymphoid cells drive prostate cancer progression**

Fabio Somma (University of Naples Federico II), Daniela Claudia Maresca, Benedetta Romano, Evelina La Civita, Felice Crocetto, Sara Trabanelli, Camilla Jandus, Daniela Terracciano, Angela Ianaro, Giuseppe Ercolano

• **iPSC-derived pancreatic cells as a 2D model system to study immune-mediated mechanism underlying thiopurine-induced pancreatitis**

Alessia Ciaffoni (University of Trieste), Paola Rispoli, Matteo Bramuzzo, Giuliana Decorti, Marianna Lucafò, Gabriele Stocco

• **Overcoming Hypersensitivity to Essential Therapies: Clinical Immunotolerance Through Desensitization Protocols**

Federico Spataro, Antonio Giovanni Solimando, Angelo Vacca, Roberto Ria, Monica Montagnani, **Vanessa Desantis** (University of Bari)

• **NAPE-PLD pharmacological inhibition drives colon cancer progression in obesity through disruption of barrier integrity and immune homeostasis**

Maria Michela Rinaldi (University of Naples Federico II), Maria Francesca Nani, Eduardo Maria Sommella, Paola De Cicco, Maria Miraglia, Laura Viscovo, Fabiana Piscitelli, Francesca Paola Tropeano, Angelo A. Izzo, Barbara Romano

15.45 - 17.00 Poster Session and Coffee break

Chairs: Brancalone Vincenzo (University of Basilicata), Marzocco Stefania (University of Salerno), Antonioli Luca (University of Pisa), Nocentini Giuseppe (University of Perugia), Giron Maria Cecilia (University of Padova), Scuderi Caterina (University of Roma), Campolo Michela (University of Messina), Sorrentino Rosalinda (University of Salerno), Einaudi Giacomo (University of Camerino)

17.00 - 18.00 International Workshop in collaboration with IUPHAR Immunopharmacology Committee and International Union of Immunological Societies

Chair: Brancalone Vincenzo (University of Basilicata), Maffia Pasquale (University of Glasgow, UK/University of Naples Federico II)

Moustafa Morsy (University of Glasgow, UK)

Electronic Health Records and the UK Biobank

Dr. Jonathan Noonan (Baker Heart and Diabetes Institute, Melbourne, AUS)

Single Cell RNA Sequencing to Study T Cell Responses in Atherosclerotic Plaque Instability

(The workshop will be accessible online to IUPHAR and IUIS members)

18.00 - 19.30 Selected Oral Presentations: Session 2 Micro and Macro environment in Neuroinflammation

Chairs: Paterniti Irene (University of Messina) + Bello Ivana (University of Naples Federico II)

- **Chronic psychosocial stress-induced neuroinflammation and behavioural alterations are prevented by Centella asiatica, Echinacea purpurea, and Zingiber officinale extracts in a preclinical model**

Costa A (University of Florence), Micheli L, Sordi V, Ciampi C, Lucci J, Passani MB, Provensi G

- **Differential neuroinflammatory and neurotrophic responses to acute stress in a preclinical model of PTSD and therapeutic potential of ketamine**

Claudia Ciarla (Sapienza University of Rome), Roberta Facchinetti, Marta Valenza, Silvia Burla, Marco Milanese, Laura Musazzi, Tiziana Bonifacino, Caterina Scuderi

- **GILZ in spinal cord injury: a promising therapeutic alternative**

Paolo Cogliati (University of Perugia), Nicoletta Palermo, Marta Febo, Matilde di Scala, Maria Cristina Marchetti, Oxana Bereshchenko, Michela Campolo, Irene Paterniti, Emanuela Esposito, Salvatore Cuzzocrea, Stefano Bruscoli

- **Complement modulates glutamate release and synaptic function in an EAE mouse model of multiple sclerosis: a neuroimmunological study**

Nicole Rosenwasser (University of Genova), Veronica Torre, Alice Taddeucci, Anna Pittaluga

- **Diet-induced inflammation and brain insulin resistance: an ex-vivo analysis along the brain of the cross-talk between impairments in GLUT4 expression and perineuronal nets**

E. Aimaretti (University of Turin), L. Cifarelli, V. Darsalia, E. Vercalsteren, A. Oberto, I. Bertocchi, C. Patrone, F. Luzzati, M. Collino

- **GIT 27 Inhibits TLR4-Dependent Proinflammatory Signaling: A Potential Therapeutic Strategy for Parkinson's Disease**

Sarah Adriana Scuderi (University of Messina), Alessio Ardizzone, Laura Cucinotta, Giovanna Casili, Marika Lanza, Ahmed Hasan, Michela Campolo, Emanuela Esposito and Irene Paterniti

- **Ischemic preconditioning affects cerebral and blood expression of the immunoregulatory protein TSG6 in mice undergone middle cerebral artery occlusion (MCAo)**

Di Santo Chiara (University of Calabria), Parise Marco, Bagetta Giacinto, Amantea Diana



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- **Pharmacological inhibition of Cyclin-dependent kinase 9 as an innovative strategy to counteract sepsis-associated encephalopathy: implications for neuroinflammation and blood brain barrier integrity.**

Enrica Marzani (University of Turin), Gustavo Ferreira Alves, Eleonora Aimaretti, Elisa Porchietto, Leonardo Camillò, Manuela Aragno, Carlo Cifani, Simona Federica Spampinato, Massimo Collino

- **Early-life microbiota depletion ameliorates central and enteric dysfunctions in the cuprizone-induced demyelination model**

Sofia Faggin (University of Padova), Elena Fassina, Sofia Nasini, Annalisa Bosi, Cristina Giaroni, Stefano Comai, Edoardo Vincenzo Savarino, Maria Cecilia Giron

20.30 Social Dinner: Hotel Sina Brufani, Piazza Italia, 12 - 06100 Perugia, Italy



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Tuesday, June 17 2025

8.30 – 9.45 Selected Oral Presentations: Session 3 - Micro and Macro environment in Autoimmune e Rare Diseases

Chairs: Esposito Emanuela (University of Messina) + Lela Ludovica (Università degli Studi della Basilicata)

- **Exploring the Function of Factor VIII in Modulating Inflammatory Responses in Dendritic Cell Subtypes**

Francesco Sarnari (University of Perugia), Marco Gargaro, Estevão Carlos Silva Barcelos, Alessandro Pinzi, Giulia Mencarelli, Giorgia Manni, Benedetta Pieroni, Doriana Ricciuti, Antonia Follenzi, Federico Mingozi, Francesca Fallarino

- **Potential role of the complement system in triggering inflammation and fibrosis in two different murine models of Duchenne muscular dystrophy**

Lisamaura Tulimiero (University of Bari), Brigida Boccanegra, Paola Mantuano, Roberta Lenti, Manuel Marinelli, Ornella Cappellari, Annamaria De Luca

- **Targeting LIF/LIFR Cross-Talk Between Cholangiocytes, Endothelial, and Stellate Cells: LRI310 as a Promising Therapy for PSC**

Cristina Di Giorgio (University of Perugia), Silvia Marchianò, Carmen Massa, Ginevra Urbani, Angela Zampella, Michele Biagioli, Stefano Fiorucci

- **Targeting the RIPK1-RIPK3-MLKL necrosome complex mitigates sepsis-induced hyperinflammation**

Gustavo Ferreira Alves (University of Camerino), Iala Mendozzi Ferreira, Eleonora Aimaretti, Chiara Rubeo, Enrica Marzani, Elisa Porchietto, Giacomo Einaudi, Manuela Aragno, Carlo Cifani, Massimo Collino

- **Pentraxin-3 as Inflammatory Biomarker of Metabolic Alterations in Rheumatoid Arthritis: Focus on Colonic Environment And Gut-Axes**

Alessio Ardizzone (University of Messina), Sarah Adriana Scuderi, Rossella Basilotta, Deborah Mannino, Anna Paola Capra, Michela Campolo, Emanuela Esposito

- **Next-Generation Anti-IL-17A/F Monoclonal Antibody (Ab-IPL-IL-17™) Modulates the Inflammatory Microenvironment in an Imiquimod-Induced Psoriasis Model via Parenteral and Topical Delivery**

Anella Saviano (University of Naples Federico II), Noemi Marigliano, Anna Schettino, Jenefa Begum, Adel Abo Mansour, Luisa Costa, Raffaele Scarpa, Francesco Caso, Matteo Megna, Giuseppe Cirino, Mariarosaria Bucci, Asif Jilani Iqbal, Francesco Maione

- **Study of the role of cytokine eNAMPT (Nicotinamide Phosphoribosyltransferase) in the Bone-Marrow-Gut axis in gastrointestinal disorders**

Greta Cascetta (University of Pavia), Giorgia Colombo, Gianmarco Eremita, Angela Ferramosca, Aurora Meggiolan, Elisa Castellazzi, Federico Ciceri, Chiara Porta, Ambra Grolla, Cristina Travelli

9.45 – 11.00 Selected Oral Presentations: Session 4 Drug impact on Micro and Macro environment

Chairs: Maione Francesco (University of Naples Federico II) + Rossini Sofia (University of Perugia)

- **Anti-inflammatory and anti-oxidant effects of sacubitril-valsartan alone or in combination with dapagliflozin on aging-related heart failure with preserved ejection fraction**

E.Mele (University of Campania L. Vanvitelli), M.A. Riemma, M. Donniacuo, M. Telesca, G. Sorrentino, A. Kamal Ahmed Eisa, K. Urbanek, D. Cappetta, L. Berrino, F. Rossi, A. De Angelis

- **Inflammatory response during anticancer therapy: the protective effect of simvastatin on doxorubicin-induced short-term cardiotoxicity**

Roberta Vitale, Mariangela Mazzone, Maria Carmela Di Marcantonio, Gabriella Mincione, Stefania Marzocco, **Ada Popolo** (University of Salerno)

Adenosine Signaling Imbalance and Inflammatory Landscape in a Rat Model of Heart Failure with Preserved Ejection Fraction

Elisabetta Caiazzo (University of Naples Federico II), Gennaro Madonna, Maria Antonietta Riemma, Elena Mele, Marialucia Telesca, Maria Donniacuo, Donato Cappetta, Konrad Urbanek, Liberato Berrino, Antonella De Angelis, Armando Ialenti

- **Periprandial high fat diet feeding impacts the blood count of neutrophils via cholinergic receptor nicotinic alpha 7 activation.**

Giovanni Battista Vingiani (University of Milan), Anna Parolini, Lorenzo Da Dalt, Annalisa Moregola, Alessia Rubino, Ottavia Terenghi, Laura Gullà, Marta Iaia, Fabrizia Bonacina, Giuseppe Danilo Norata, Andrea Baragetti

- **NPY-Y1R, Gonadal Hormones and Diet in regulating Inflammation, Neuroplasticity and Behavior in Female Mice**

Alessandra Lodi (University of Turin), Alessandra Oberto, Lorenzo Cifarelli, Niccolò Di Cintio, Arianna Ambrogio, Federica Trento, Paola Palanza, Federico Luzzati, Massimo Collino, Ilaria Bertocchi

- **β -Glucan-induced remodeling of diabetic bone marrow restores HSPC mobilization by downregulating macrophage-derived Oncostatin M**

Carlotta Boscaro (University of Padua), Ludovica Migliozi, Francesco Ivan Amendolagine, Gian Paolo Fadini, Mattia Albiero

- **Study of the effect of dexamethasone treatment on extracellular vesicles production in Mesenchymal Stromal cells from ITP pediatric patients**

Daniele Santoro (University of Perugia), Alessandra di Paola, Giuseppe Di Feo, Marta Febo, Paolo Cogliati, Artemii Frolkov, Ilaria Bellezza, Oxana Bereshchenko, Francesca Rossi, Stefano Bruscoli

11.00 - 11.30 Coffee break

11.30 - 12.15 Lecture

Introduced by: Fallarino Francesca (University of Perugia)

Molecular and spatial control of tumor-associated macrophages

Prof. Renato Ostuni (San Raffaele Institute, Milan)

12.15 - 12.30 Conclusions and Award ceremony



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HIGHLIGHTS:

- The selected oral communication (8 minutes presentation + 2 minutes Q/A session) will be in English as the official language of the conference;
- Prizes for best oral presentations and posters will be awarded thanks to the contribution of:



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Monday, June 16 2025

Poster Session

The posters must have a vertical format (portrait) with a maximum size of 90x120 cm (l x h)

1. Immune pathways underlie brain ischemic tolerance in mice subjected to transient middle cerebral artery occlusion (MCAo)

Parise Marco, Di Santo Chiara, Benfatto Elisabetta, Bagetta Giacinto, Amantea Diana

2. Investigating the effects of the anti-GITR TRX518 monoclonal antibody on regulatory T cells in Addison's disease: an in vitro study

Martina Procaccini, Luigi Cari, Lucrezia Rosati, Raffaele Contini, Giuseppe Basta, Simona Ronchetti, Graziella Migliorati, Riccardo Calafiore, Giuseppe Nocentini

3. Inhibiting RSK Ameliorates Systemic Inflammation and Consequent Cardiac Damage Evoked by Experimental Polymicrobial Sepsis

Chiara Rubeo, Gustavo Ferreira Alves, Eleonora Aimaretti, Elisa Porchietto, Enrica Marzani, Giacomo Einaudi, Pasquale Pagliaro, Manuela Aragno, Carlo Cifani, Massimo Collino

4. Targeting the RIPK1-RIPK3-MLKL necrosome complex mitigates sepsis-induced hyperinflammation

Gustavo Ferreira Alves, Iala Mendozzi Ferreira, Eleonora Aimaretti, Chiara Rubeo³, Enrica Marzani, Elisa Porchietto, Giacomo Einaudi, Manuela Aragno, Carlo Cifani², Massimo Collino

5. Sympathetic neuroimmune communication in lymphoid organs

Sofia Rossini, Sara Ambrosino, Ciriana Orabona

6. Hypogammaglobulinemia in patients with Multiple Sclerosis receiving Disease Modifying Therapies: Disproportionality Analysis using the EudraVigilance Database

Raffaella DI NAPOLI

7. Exploring the effects of a ketogenic diet on behavior and central and peripheral inflammation in a murine model of GRIN2A syndrome

Bertocchi I, Cifarelli L, Lodi A, Oberto A, Aimaretti E, Einaudi G, Luzzati F, Cifani C, Collino M

8. Lymphopenia associated with sphingosine 1-phosphate receptor modulators (S1PRMs) in multiple sclerosis: analysis of European pharmacovigilance data

BALANZANO Nunzia

9. IMMUNOMETABOLIC ROLE OF KUPFFER CELL-DERIVED APOLIPOPROTEIN E

Gullà L., Moregola A, Fantini F, Ubaldi P, Moretti A, Belotti L, Ossoli A, Calabresi L, Norata GD, Bonacina F

10. The novel bioactive coating of BTK-RIGENERA® biomaterial with ZnAl-layered double hydroxide and gallic acid showed anti-osteoclastogenic properties in vitro

Chiara Suvieri, Maria Bastianini, Stefano Pagano, Lorella Marinucci, Valeria Ambrogi, Maria Teresa Pallotta, Michele Sisani, Maria Laura Belladonna



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11. Searching for new potential therapeutic targets to modulate microglial cytokines expression plasticity: implications for neurodegenerative diseases

Antonietta Mele, Modesto De Candia, Elena Conte, Francesco Samarelli, Giorgia Dinoi, Laura Rizzi, Antonio Torsello, Cosimo D. Altomare, Annamaria De Luca, Paola Imbrici, Antonella Liantonio

12. Comparing wheat and rye: an in-vivo study on the impact of carbohydrates quality on metabolic health and inflammation

Eleonora Aimaretti, Fidèle Almasri, Nadine Sus, Erik Schéle, Suzanne Dickson, Rikard Landberg, Jan Frank, Massimo Collino

13. Repurposing Fostamatinib, a SYK inhibitor, to mitigate diet-induced metabolic and neuro-inflammation

Eleonora Aimaretti, Elisa Porchietto, Gustavo Ferreira Alves, Giacomo Einaudi, Debora Collotta, Chiara Rubeo, Enrica Marzani, Raffaella Mastrocola, Manuela Aragno, Carlo Cifani, Massimo Collino

14. Beneficial effects of a customized botanical dietary supplement on microglial inflammation and blood-brain barrier integrity in an In Vitro model of neuroinflammation

Camillò L, Capitani L, Marzani E, Bastianello A, Algeri A, Spampinato SF, Collino M

15. The cytokine eNAMPT (extracellular Nicotinamide Phosphoribosyltransferase) is a novel therapeutic target in Inflammatory Bowel Disease

Gianmarco Eremita, Greta Cascetta, Giorgia Colombo, Angela Ferramosca, Aurora Meggiolan, Chiara Porta, Elisa Castellazzi, Federico Ciceri, Roberta Del Medico, Ambra Grolla, Armando Genazzani, Joe G.N. Garcia and Cristina Travelli

16. eNAMPT controls extracellular matrix composition in Autoimmune Atrophic Gastritis (AAG)

Angela Ferramosca, Greta Cascetta, Roberta Del Medico, Alessandra Pasini, Gianmarco Eremita, Giorgia Colombo, Joe G.N. Garcia, Marco Vincenzo Lenti, Antonio di Sabatino and Cristina Travelli

17. Atrazine and Cypermethrin drive ER stress via PERK and ATF6 affecting endothelial function

Chiara Indolfi, Correale Melania, Erika Esposito, Raffaella Sorrentino, Roberta d'Emmanuele di Villa Bianca, Emma Mitidieri

18. Exposure to the endocrine disruptor vinclozolin triggers endothelial damage via the eNOS/Nox4/IRE1 α axis

Correale Melania, Chiara Indolfi, Erika Esposito, Raffaella Sorrentino, Emma Mitidieri, Roberta d'Emmanuele di Villa Bianca

19. An Innovative Ex-Vivo Model to investigate SARS-CoV-2-Induced Neuroinflammation
MAISTO Nunzi



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20. Impact of plasma from ANCA-associated vasculitis patients on cell death and pro-inflammatory factors release

Chiara Baggio; Luca Iorio; Carlotta Boscaro; Federica Davanzo; Marta Tonello; Mattia **Albiero**; Andrea Doria; Paolo Sfriso; Roberto Padoan; Francesca Oliviero

21. Multitargeted Biological Actions of Polydatin in Preventing Pseudogout Acute Attack

Chiara Baggio, Paola Galozzi, Amelia Damasco, Vanni Lazzari, Giampietro Ravagnan, Paolo Sfriso, Roberta Ramonda, Leonardo Punzi, Gianmaria Pennelli, Andrea Doria, **Roberto Luisetto**, Francesca Oliviero

22.Characterization of the genetically modified IDO1H350A mouse model expressing a loss-of-function mutant of Indoleamine 2,3-dioxygenase 1 enzyme

Sara Ambrosino, Sofia Rossini, Giada Mondanelli, Miruna Viviana Oprea, Ciriana Orabona.

23.Emerging Contaminants as a Trigger of Adipose Tissue Inflammation and Metabolic Dysfunction

Molonia M.S, Salamone F.L., Trischitta S., Toscano G., Speciale A., Saija A., Cimino F.

24.Intestinal inflammatory damage induced by chronic exposure to low doses of antimony and protective effect of cyanidin-3-O-glucoside

Salamone F.L., Molonia M.S., Trischitta S., Saija A., Cimino F., Speciale A.

25.Astrocyte reactivity and neuroinflammation are associated with significant changes in brain metabolism in the Alzheimer's disease brain: evidence with ultramicrosized palmitoylethanolamide in 3xTg-AD mice

Roberta Facchinetti, Marta Valenza, Claudia Ciarla, Rossella Canese, Tommaso Cassano, Caterina Scuderi

26. Altered Adenosine Metabolism and Signaling in the Lungs of Dahl Rats with Hypertension and Heart Failure with Preserved Ejection Fraction

Gennaro Madonna, Elisabetta Caiazzo, Maria Antonietta Riemma, Elena Mele, Marialucia Telesca, Maria Donniacuo, Donato Cappetta, Konrad Urbanek, Liberato Berrino, Antonella De Angelis, Armando Ialenti

27. Circular approach in olive tree pruning residue management: from biomass to natural therapies

LA ROSA Anna

28.Effects of Olaliamid® on hypothalamic inflammation and food intake pathways in a rat model of metabolic syndrome

Silvia Burla, Claudia Ciarla, Roberta Facchinetti, Benedetta Di Cesare, Marta Valenza, Patrizia Campolongo, Caterina Scuderi

29. Early changes in IL8 and PD1+ Tregs predict response to Cemiplimab in patients with cutaneous squamous cell carcinoma

Fabio Somma, Daniela Esposito, Daniela Claudia Maresca, Benedetta Romano, Alberto Servetto, Roberto Bianco, Luigi Formisano, Angela Ianaro, Giuseppe Ercolano.



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30. Erucin Inhibits Inflammatory Pathways and Progression in Preclinical Models of Triple-Negative Breast Cancer.

Bello I, Esposito C, D'Ariano M, Ciceri F, Meggiolan A, Castellazzi E, Cirino G, Travelli C, Panza E

31. IL4I1 catalytic activity confers protection against ferroptosis in a murine fibrosarcoma cell line

Giulia Mencarelli, Estevão Carlos Silva Barcelos, Giorgia Manni, Doriana Ricciuti, Benedetta Pieroni, Francesco Sarnari, Alessandro Pinzi, Kenneth M. Murphy, Francesca Fallarino and Marco Gargaro.

32. Neuroprotective Effects of Pomegranate Peel and Ellagic Acid Microdispersions in Experimental Autoimmune Encephalomyelitis: Potential Role of α 2A/C Adrenergic Receptor Modulation

Veronica Torre; Nicole Rosenwasser; Alice Taddeucci; Guendalina Olivero; Federica Turrini; Raffaella Boggia; Anna Pittaluga

33. Inflammatory pathway analysis in a murine model of bleomycin-induced lung fibrosis treated with a co-administration of serotonin 5-HT2BR antagonist and A3AR agonist

Laura Lucarini, Serafina Villano, Silvia Marri, Silvia Sgambellone, Dilip K Tosh, Kenneth A Jacobson

34. Gut microbiome changes and inflammation: the role of Subdoligranulum in response to Whey Protein and Vitamin D supplementation

Silvia Marri, Serafina Villano, Silvia Sgambellone, Barbara Biffi, Chiara Francesca Gheri, Maria Luisa Eliana Luisi, Laura Lucarini

35. A new therapeutic strategy to treat neuroinflammation and neurodegeneration associated with ocular ischemia

Villano Serafina, Sgambellone Silvia, Marri Silvia, David Reiner- Link, Mohammad A Khanfar, Holger Stark, Lucarini Laura

36. Novel Findings on CCRI Receptor in CNS Disorders: A Pathogenic Marker Useful in Controlling Neuroimmune and Neuroinflammatory Mechanisms in Parkinson's Disease

Elsa Calcaterra, Alberto Repici, Anna Paola Capra, Ahmed Hasan, Maria Bulzomì, Michela Campolo, Irene Paterniti, Emanuela Esposito and Alessio Ardizzone

37. The interplay between Acute Myeloid Leukemia and neuroinflammation

Marta Febo, Matilde Di Scala, Alessandra Mirarchi, Lucrezia Braganti, Stefano Bruscoli, Carlo Riccardi, Graziella Migliorati, Cataldo Arcuri, Oxana Bereshchenko

38. Glucocorticoids Regulate Extracellular Vesicle Production and immunomodulatory effect by Jurkat and THP-1 Cells

Artemii Frolkov, Daniele Santoro, Marta Febo, Paolo Cogliati, Lucrezia Braganti, Rita Romani, Graziella Migliorati, Stefano Bruscoli, Oxana Bereshchenko

39. NR2F6: An Emerging Immune Checkpoint in the Regulation of Cancer Immunity
Manni Giorgia



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40. SUN 11602, unraveling the immune system, accelerates early peripheral nerve regeneration in an experimental median nerve transection model

Giovanna Casili, Igor Papalia, Alessio Ardizzone, Rossella Basilotta, Alfio Luca Costa, Paolo Titolo, Emanuela Esposito, Michele Rosario Colonna, Mariarosaria Galeano

41. Indoleamine 2,3-dioxygenase 1 (IDO1) regulates the immunometabolic switch in conventional dendritic cells

Giada Mondanelli, Estevao Carlos Silva Barcelos, Doriana Ricciuti, Marco Gargaro.

42. Protolichesterinic acid from Cetraria islandica: antioxidant and wound-healing effects in an in vitro model of intestinal inflammation

Rispoli RM, Villicaña González E, Brizzi A, Schwaiger S, Marzocco S

43. Zeaxanthins promote anti-inflammatory and neuroprotective effects by Aryl Hydrocarbon Receptor activation

B. Pieroni, G. Manni G. Scalisi, G. Mencarelli, D. Ricciuti, F. Sarnari, A. Pinzi, M. Gargaro, D. Amantea, F. Fallarino

44. Short-Chain Fatty Acids reduce Indoxyl Sulfate-Induced impairment in Intestinal Epithelial Cells

Rispoli R.M., Popolo A., Autore G., Marzocco S.

45. Cardioprotective Effects of the Natural H₂S-Donor Erucin in a model of heart failure with preserved ejection fraction (HFpEF)

Maria Antonietta Riemma, Maria Donniacuo, Elena Mele, Marialucia Telesca, Grazia Sorrentino, Donato Cappetta, Roberta D'Emmanuele di Villa Bianca, Valentina Vellecco, Mariarosaria Bucci, Konrad Urbanek, Francesco Rossi, Liberato Berrino, Antonella De Angelis.

46. Loss of Cyp11a1 Reprograms Type-2 Dendritic Cells Toward an Immunoregulatory Phenotype

Alessandro Pinzi, Francesco Sarnari, Benedetta Pieroni, Giorgia Manni, Giulia Mencarelli, Doriana Ricciuti, Estevão Carlos Silva Barcelos, Giada Mondanelli, Carsten Schmidt-Weber, Caspar Ohnmacht, Francesca Fallarino, Marco Gargaro

47. Antiinflammatory properties of DPP-4 inhibitors

Gerbino Sara

48. Disseminated Leishmaniasis and Rheumatoid Arthritis: Navigating a Clinical Conundrum

Donatello Marziliano, Endrit Shahini, Francesco Losito, Marianna Zappimbulso, Elisabetta Cavalcanti, Raffaele Armentano, Fabio Fucilli, Raffaele Cozzolongo, Giuseppe Ingravallo, Fabrizio Pappagallo, Annalisa Saracino, Angelo Vacca, Antonio Giovanni Solimando, Monica Montagnani, Vanessa Desantis



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49. Intestinal organoid-based model for the development of new therapeutic approaches in paediatric ulcerative colitis

Antonella Muzzo, Alessandra Silvani, Giovanni Grazioso, Daniele Passarella, Carlotta Bidoli, Marco Gerdol, Matteo Bramuzzo, Giuliana Decorti, Gabriele Stocco, Marianna Lucafò

50. Immuno-proteostasis response to uremic proteins: molecular mechanisms and pro-apoptotic signaling in peripheral blood leukocytes.

Desirée Bartolini, Anna Migni, Ina Varfaj, Anna Maria Stabile, Mario Rende, Maria Antonietta Grignano, Maria Rachele Ceccherini, Marco Gargaro, Carmelo Libetta and Francesco Galli

51. Disentangling myeloid programs that regulate immunity in acute myeloid leukemia.

Andrea Marra, Marco Gargaro, Arianna Stella, Estevao Barcelos, Sugerdana Padmasri, Doriana Ricciuti, Daniele Sorcini, Marco De Bardi, Giorgia Manni, Benedetta Pieroni, Giulia Mencarelli, Valerio Chiurciu, Mario Cioce, Vito Michele Fazio, Paolo Sportoletti, Teresa Marafioti, Maria Paola Martelli, Cristina Lo Celso, Francesca Fallarino, Brunangelo Falini

52. Anti-tumor effects of LRRK2 inhibitor in repressing hepatocarcinoma progression: in vitro evaluation

Palermo N., Filippone. A, Campolo M., Paterniti I., and Esposito E.

53. On the role of immunity in the NOD mouse model of progressive multiple sclerosis
BUONVICINO Daniela

54. GILZ as a Modulator of Inflammatory Cascades in the Context of Spinal Cord Injury

Cucinotta Laura, Basilotta Rossella, Filippone Alessia, Cogliati Paolo, Febo Marta, Migliorati Graziella, Paterniti Irene, Bruscoli Stefano, Esposito Emanuela and Cuzzocrea Salvatore.

55. Effects of NLRP3 Inflammasome Inhibitors on Human Coronary Artery Endothelial Cells Exposed to Oxidative Stress and Lipotoxicity

Costanza Titi, Arianna Brovero, Massimo Bertinaria, Pasquale Pagliaro, Claudia Penna, Astrid Parenti

56. Citrus medica L. as a Promising Nutraceutical: Modulation of Intestinal Inflammation in the Caco-2/J774.2 Co-Culture Model

Ludovica Lela, Vittorio Carlucci, Maria Ponticelli, Daniela Russo, Giusy Pietrafesa, Muhammad Tuseef, Monica Carmosino, Luigi Milella

57. Uncovering OXER1-Driven RACK1 Signaling in Triple-Negative Inflammatory Breast Cancer (TN-IBC): A New Frontier for Targeted Therapy

Mirco Masi, Roberta Valeria Limosani, Chiara Oliviero, Luca Guarrera, Enrico Garattini, Luigi Cari, Marco Racchi, Erica Buoso



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58.Xenosensor Activation in the Soft Tissue Sarcoma Tumor Microenvironment Suppresses Human Dendritic Cell Subset Activity

Estevão Carlos Silva Barcelos, Andrea Marra, Giorgia Manni, Alessandro Pinzi, Doriana Ricciuti, Giulia Mencarelli, Francesco Sarnari, Benedetta Pieroni, Giulia Scalisi, Giada Mondanelli, Martina Mandanaro, Angelo Sidoni, Antonio Macchiarulo, Kenneth M. Murphy, Francesca Fallarino, Marco Gargaro

59.PTX3/NF- κ B/TLR4 Pathway Evaluation in the Follicular Fluid to Successfully Predict Blastocyst Implantation: A Pilot Study

Deborah Mannino, Alessio Ardizzone, Carmelo Liuzzo, Arianna Ferro, Marco Galletta, Emanuela Esposito, Anna Paola Capra

60.Targeting EZH2 by using GSK-343 inhibitor modulates neuroinflammation and innate immune response after spinal cord trauma

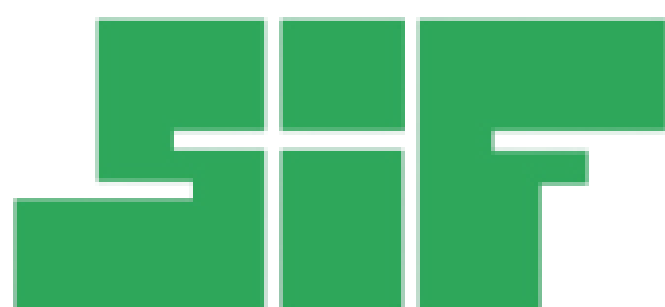
Rossella Basilotta, Deborah Mannino, Valentina Bova, Alberto Repici, Bulzomì Maria, Ahmed Hasan, Antonio Catalfamo, Marika Lanza, Alessia Filippone and Emanuela Esposito

61.Modulation of Endothelial Permeability and Angiogenesis by Dual Coxib/Thromboxane Receptor Antagonists

Giovanni Eugenio Ramaschi, Beatrice Squizzato, Lucia Trevisi, Andrea Cignarella, Angelo Sala, Chiara Bolego

62. Evidence of Trained Immunity in Psoriasis: A Pilot Study

Serena Penna, Annunziata Nigro, Silvia Sposito, Serena Lembo, Anna Balato, Elio Donnarumma, Alessandro Puzziello, Rosanna Martinelli and Simona Pisanti



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