



# **XXV CONFERENCE OF YOUNG SIF PHARMACOLOGISTS**

**Urbino, 5<sup>th</sup>- 8<sup>th</sup> September 2023**

## **Program**

## Executive Council

### **President**

Giuseppe Cirino

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Elisabetta Caiazzo

Michela Campolo

Arianna Pani

Maria Antonietta Riemma

Rossana Roncato

Armando Genazzani

Giuseppe Cirino

Orazio Cantoni

## Conference Presentation

Dear colleagues,

We are pleased to welcome you to the **XXV Conference of Young Pharmacologists of the Italian Society of Pharmacology in Urbino, Italy.**

The conference will be held on **September 5th-8th, 2023**, and the scientific program will focus on **8 major topics** including **Neuropharmacology, Cancer Pharmacology, Cardiovascular and Metabolic Pharmacology, Pharmacovigilance, Pharmacoepidemiology, Pharmacoeconomics and Real World Evidence, Pharmacognosy and Toxicology, Rare Disease, Inflammation Pharmacology and Immunopharmacology, Basic Research.**

Our primary goal is to promote and support the excellence in research, the exchange of knowledge and the networking. The conference will bring **together researchers, postdoctoral fellows, and Postgraduates/PhD students** providing them with the opportunity to present and discuss recent findings, future prospects and scientific questions **in the field of Pharmacology.**

**Young pharmacologists** that are in the early stages of their careers will have the opportunity to discuss their national and international work through abstracts that will be selected for **posters or oral presentations.** In addition, we have reserved time for **skills and plenary lectures, mentoring activities, prizes, and workshops.**

**We will be in touch** over the year with details on the meeting and we encourage you to **participate by submitting your abstract!**

**We are looking forward to meeting you in person, in September, to be part of this unique event.**

With warm regards,

Elisabetta Caiazzo

Michela Campolo

Arianna Pani

Maria Antonietta Riemma

Rossana Roncato

The Organizing Committee SIF-ECPG

## Venue

### **University of Urbino**

#### **Collegio Tridente**

Via Giancarlo De Carlo,7

(Aula Tridente N.2 e Aula Tridente N.3/4)

#### **Collegio La Vela**

Via Cappuccini, 1

(Teatro La Vela)

## Scientific and Organizing Secretariat



SOCIETÀ ITALIANA DI FARMACOLOGIA

### **Italian Society of Pharmacology**

#### **SIF – Società Italiana di Farmacologia**

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## Organizing Secretariat



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1506  
UNIVERSITÀ  
DEGLI STUDI  
DI URBINO  
CARLO BO



## September, 5<sup>th</sup> 2023

### Teatro La Vela

14.00 Participants' Registration

14.30 **Welcome remarks and opening ceremony**

15.00 **Plenary lecture**

**Introduced by: Rossana Roncato**

Safety in polymedication and pharmacogenetics based precision dosing: the clinical perspective of drug drug gene interactions

**Julia Stingl**

16.00 Coffee Break

### Aula Tridente N. 2

16.30 Oral Communication Session 1  
Neuropharmacology

**Chairpersons:**

**Agnese Graziosi, Maria Angela Sortino**

### Aula Tridente N. 3/4

Oral Communication Session 2  
Cancer Pharmacology

**Chairpersons:**

**Rossana Roncato, Sofia Rossini**

### Anfiteatro del Tridente - Area Poster

18.30-20.00 Poster Session 1 "Pre-clinical Development"

**Chairpersons: Fabrizio Gardoni, Andreas Papapetropoulos,  
Maria Antonietta Riemma**

20.30 Dinner

## September, 6<sup>th</sup> 2023

### Aula Tridente N. 2

9.00 Oral Communication Session 3  
SIF-SITOX Session

**Chairpersons:**

***Gloria Buffi, Fabio Vivarelli***

10.00 Oral Communication Session 4  
Pharmacognosy and Toxicology

**Chairpersons: *Gloria Buffi, Fabio Vivarelli***

11.00 Coffee Break

### Teatro La Vela

11.30 Active Working Groups

12.30 **Introduced by: Armando Genazzani**

From the lab bench to the public: challenges, tools and best practices for effective research communication

**Nicole Ticchi**

13.30 Lunch

### Aula Tridente N. 2

14.30 Oral Communication Session 6:  
Basic Research

**Chairpersons:**

***Valerio Ciccone, Maria Antonietta Riemma***

### Aula Tridente N. 3/4

Oral Communication Session 7:  
Rare Diseases, Personalized Medicine  
and Pharmacogenetics

**Chairpersons:**

***Arianna Pani, Adele Romano***

### Anfiteatro del Tridente - Area Poster

16.30- 18.00 Poster Session 2 "Basic Mechanisms and Disease Target Identification"  
+ Coffee Break

**Chairpersons: *Michela Campolo, Adele Romano, Rossana Roncato***

### Aula Tridente N. 2

18.00 Oral Communications Session 8:  
Miscellaneous I

**Chairpersons:**

***Mariarosaria Cuzzo, Fabrizio Gardoni***

### Aula Tridente N. 3/4

Oral Communications Session 9:  
Miscellaneous II

**Chairpersons:**

***Carmela Fimognari, Gianluca Gazzaniga***

20.30 Dinner



## September, 7<sup>th</sup> 2023

### Aula Tridente N. 2

9.00 Oral Communication Session 10:  
Cardiovascular and Metabolic  
Pharmacology

**Chairpersons:**

**Mariarosaria Bucci,  
Maria Antonietta Riemma**

### Aula Tridente N. 3/4

Oral Communication Session 11:  
Inflammation Pharmacology and  
Immunopharmacology

**Chairpersons:**

**Alessio Ardizzone, Giuseppe Cirino**

11.00 Coffee break

### Anfiteatro del Tridente - Area Poster

11.30-13.00 Poster Session 3 "Basic Mechanisms, Disease Target Identification and Updates  
from Clinical Research"

**Chairpersons: Silvana Gaetani, Carla Ghelardini, Piero Olliaro**

13.00 Lunch

### Teatro La Vela

14.00 Plenary lecture

**Introduced by: Michela Campolo**

A career path in pharmacology: obstacles and opportunities

**Armando Genazzani**

15.30 Active Working Groups

17.00 Plenary lecture

**Introduced by: Armando Genazzani**

The medical innovation value chain

**Piero Olliaro**

18.00-19.00 **Wrap up and Conclusions**

20.30 Dinner





# Oral Communications Sessions

September 5<sup>th</sup>, 2023

16.30-18.30

Aula Tridente N. 2

**ORAL COMMUNICATIONS SESSION 1: NEUROPHARMACOLOGY**Chairpersons: **Agnese Graziosi, Maria Angela Sortino**

- 16.30 A novel potential therapeutic approach in the treatment of amyotrophic lateral sclerosis: *in-vitro* and *in-vivo* effect of extracellular vesicles derived from mesenchymal stem cells**  
Balbi Matilde, Giunti Debora, Provenzano Francesca, Nyberg Sophye, Parodi Benedetta, Torazza Carola, Bonifacino Tiziana, Usai Cesare, Kerlero De Rosbo Nicole, Uccelli Antonio, Shaw J. Pamela, Farriauolo Laura, Bonanno Giambattista, Milanese Marco
- 16.42 Modulatory effects of a cell permeable ADAM10 endocytosis inhibitory peptide on adult hippocampal neural progenitors and their progeny in APP/PS1 mice**  
De Cicco Greta, Bortolotto Valeria, Brai Emanuele, Gibin Borzoni Giada, Canonico Pier Luigi, Stringhi Ramona, D'Urso Annarita, La Greca Filippo, Scheggia Diego, Di Luca Monica, Marcello Elena, Grilli Mariagrazia
- 16.54 Ketamine controls glial reactivity and neuronal changes observed in a new rodent model of resilience/vulnerability to acute stress**  
Facchinetti Roberta, Valenza Marta, Ciarla Claudia, Bonifacino Tiziana, Milanese Marco, Musazzi Laura, Scuderi Caterina
- 17.06 Impact of the demyelination on the enteric nervous system in a murine model of multiple sclerosis**  
Faggin Sofia, Tietto Angela, Carrossa Gloria, Nasini Sofia, Terrin Francesca, Bosi Annalisa, Caputi Valentina, Dalla Valle Luisa, Giaroni Cristina, Comai Stefano, Savarino Edoardo, Giron Maria Cecilia
- 17.18 Blunting oxidative stress and neuroinflammation by targeting the immunoproteasome with novel amide compounds**  
Imbesi Chiara, Mannino Federica, Irrera Natasha, Ettari Roberta, Bitto Alessandra, Lui Maria
- 17.30 PEA-OXA ameliorates allodynia, neuropsychiatric and adipose tissue remodeling induced by social isolation**  
Ricciardi Federica, Perrone Michela, Fusco Antimo, Morace Andrea Maria, Belardo Carmela, Boccella Serena, Guida Francesca, Alessio Nicola, Palazzo Enza, Maione Sabatino, Luongo Livio
- 17.42 Investigating the role of NEGR1 and related genes in the unpredictable chronic mild stress model in male mice**  
Salluzzo Marco, Vianello Clara, Piccoli Giovanni, Domenici Enrico, Rimondini-Giorgini Roberto, Carboni Lucia
- 17.54 Preclinical effects of cannabidiol in an experimental model of migraine**  
Sturaro Chiara, Fakhoury Bianca, Targowska-Duda Katarzyna, Zribi Gilles, Schoch Jennifer, Ruzza Chiara, Calò Girolamo, Toll Lawrence, Cippitelli Andrea
- 18.06 Comparing the effects of different allosteric modulators on G Protein-Coupling of the Adenosine A<sub>1</sub> Receptor**  
Pearce Abigail, Huang Rosalind, Grossenbacher Philip, Lochner Martin, Ladds Graham

September 5<sup>th</sup>, 2023

16.30-18.30

Aula Tridente N. 3/4

**ORAL COMMUNICATIONS SESSION 2: CANCER PHARMACOLOGY**Chairpersons: **Rossana Roncato, Sofia Rossini**

- 16.30 eNAMPT induces a more invasive and metastatic breast cancer phenotype by modulating EMT markers**  
Balestrero Federica Carolina, Moro Marianna, Condorelli Fabrizio, Genazzani Armando, Grolla Ambra
- 16.42 CIC-2 chloride channels as new potential therapeutic targets in human pancreatic ductal adenocarcinoma**  
Campanale Carmen, Altamura Concetta, Saltarella Ilaria, Laghetti Paola, Camerino Giulia Maria, Di Molfetta Daria, Greco Maria Raffaella, Frassanito Maria Antonia, Cardone Rosa Angela, Desaphy Jean-François
- 16.54 Targeting G1TR for the Next Generation of Cancer Therapies**  
Cari Luigi, Naghavi Alhosseini Mahdyieh, Cagnani Rosy, Cochetti Gianni, Mearini Ettore, Nocentini Giuseppe
- 17.06 The release of CXCL4 is associated to the prognosis of NSCLC patients**  
Colarusso Chiara, Sorrentino Rosalinda, Falanga Anna
- 17.18 OXER-1-associated signalling pathway as a possible drug target in Triple Negative Breast Cancer**  
Fiou André, Masi Mirco
- 17.30 The anticancer activity of doxorubicin following photoactivation: an *in vitro* study**  
Greco Giulia, Turrini Eleonora, Ulfo Luca, di Giosia Matteo, Danielli Alberto, Calvaresi Matteo, Fimognari Carmela
- 17.42 Extracellular nicotinamide phosphoribosyltransferase contribution in breast cancer angiogenesis: a focus on pericytes**  
Moro Marianna, Sangaletti Sabina, Balestrero Federica, Genazzani Armando, Grolla Ambra
- 18.54 Functional role of N-acylethanolamides synthesis enzyme in obesity related colon cancer**  
Nani Maria Francesca, Lucariello Giuseppe, De Cicco Paola, Pagano Ester, Cicia Donatella, Amico Rebecca, Borrelli Francesca, Izzo Angelo Antonio, Romano Barbara
- 18.06 Role of Intracellular and Extracellular Annexin A1 in MIA PaCa-2 Spheroids Formation and Drug Sensitivity**  
Novizio Nunzia, Belvedere Raffaella, Morretta Elva, Tomasini Richard, Monti Maria Chiara, Morello Silvana, Petrella Antonello

**18.18 Identification of a novel biomarker of HIF-1 $\alpha$ -mediated doxorubicin resistance in 3D cancer spheroid models**

Vincenzi Martina, Tscheiller Nathalie, Kremic Amin, Lattanzi Roberta, Cardinale Daniela, Nebigil Canan

September 6<sup>th</sup>, 2023

9.00-10.00

Aula Tridente N. 2

**ORAL COMMUNICATIONS SESSION 3: SIF-SITOX SESSION**Chairpersons: **Gloria Buffi, Fabio Vivarelli****9.00 Epigenetic dysregulation in SHSY5Y cells exposed to endocrine disruptors**

Graziosi Agnese, Corrieri Camilla, Sita Giulia, Hrelia Patrizia, Morroni Fabiana

**9.12 17- $\alpha$ -ethinyl estradiol affected the glutamatergic system development: *in vitro* study on rat primary hippocampal neurons**

Serafini Melania Maria, Midali Miriam, Melzi Gloria, Corsini Emanuela, Marinovich Marina, Viviani Barbara

**9.24 ERO1 $\alpha$ -dependent Ca<sup>2+</sup> release from the ryanodine receptor critically regulates mitochondrial superoxide formation induced by arsenite**

Spina Andrea, Guidarelli Andrea, Fiorani Mara, Zito Ester, Cantoni Orazio

**9.36 Clozapine inhibits adipogenesis and anticipates mitochondrial ROS formation/dysfunction by suppressing early NADPH oxidase derived ROS and the ensuing activation of the nuclear factor (erythroid-derived2)-like 2 dependent antioxidant response**

Blandino Giulia, Fiorani Mara, Canonico Barbara, De Matteis Rita, Guidarelli Andrea, Montanari Mariele, Buffi Gloria, Coppo Lucia, Arnér Elias S.J., Cantoni Orazio

**9.48 Ethanol exposure during neurodevelopment on AMPA-mediated synaptic transmission and function**

Curti Lorenzo, Caffino Lucia, Bigagli Elisabetta, Castillo Díaz Fernando, Mottarlini Francesca, Fumagalli Fabio, Masi Alessio, Mannaioni Guido, Gerace Elisabetta

September 6<sup>th</sup>, 2023

10.00-11.00

Aula Tridente N. 2

**ORAL COMMUNICATIONS SESSION 4: PHARMACOLOGY AND TOXICOLOGY**Chairpersons: **Gloria Buffi, Fabio Vivarelli**

- 10.00** Chemical composition and biological properties of the hydroalcoholic extract from the *Allium sativum* L. ecotype "Sulmona red garlic"  
Liberio Maria Loreta
- 10.12** The antioxidant activity of limonene counteracts the neurotoxicity triggered by A $\beta$ <sub>1-42</sub> oligomers in primary cortical neurons  
Piccilli Ilaria, Tedeschi Valentina, Caputo Lucia, D'Errico Stefano, Ciccone Roselia, De Feo Vincenzo, Secondo Agnese, Pannaccione Anna
- 10.24** Lycopene, a new therapeutic approach to improve mandibular bone strength in an experimental model of osteoporosis  
Pirrotta Igor, Scarfone Alessandro, Giorgi Domenico Antonio, Mannino Federica, D'Angelo Tommaso, Pallio Giovanni, Bitto Alessandra, Irrera Natasha, Squadrito Francesco
- 12.36** Effects of an oral solution containing xyloglucan and pea proteins on a murine model of gastroesophageal reflux disease  
Ardizzone Alessio, Mannino Deborah, Casili Giovanna, Campolo Michela, Paterniti Irene, Lanza Marika, Filippone Alessia, Repici Alberto, Bova Valentina, Salvatore Cuzzocrea, Esposito Emanuela
- 12.48** Role of bioactive endogenous fatty acids in the regulation of paclitaxel-induced toxicity  
Cuozzo Mariarosaria, Russo Roberto, Cristiano Claudia, Liguori Fabrizio Maria, Avagliano Carmen

September 6<sup>th</sup>, 2023

9.00-11.00

Aula Tridente N. 3/4

**ORAL COMMUNICATIONS SESSION 5:  
PHARMACOVIGILANCE, PHARMACOEPIDEMIOLOGY, PHARMACOECONOMICS  
AND REAL WORLD EVIDENCE**Chairpersons: **Alessandra Bitto, Arianna Pani**

- 9.00** Unmet needs and challenges in the management of drug-resistant migraine non-responsive to CGRP(R) monoclonal antibodies  
Burgalassi Andrea, Tabasso Giorgio, Iannone Luigi Francesco, Vigani Giulia, De Cesaris Francesco, Chiarugi Alberto, Pierangelo Geppetti
- 9.12** Safety and Tolerability of the Newly Released Orexin Antagonist Daridorexant: an Analysis of Publicly Available FAERS Data  
Cicala Giuseppe, Barbieri Maria Antonietta, Russo Giulia, Sorbara Emanuela Elisa, Spina Edoardo

- 9.24 Chronic Kidney Disease Progression in Diabetic Patients: Real World Data in General Practice**  
Drago Selene Francesca Anna, Rottura Michelangelo, Pallio Giovanni, Molonia Antonino, Gianguzzo Viviana Maria, Scoglio Riccardo, Marino Sebastiano, Squadrito Francesco, Irrera Natasha, Arcoraci Vincenzo
- 9.36 DiAna: an open source R package for flexible and quick disproportionality analysis on the FDA Adverse Event Reporting System**  
Fusaroli Michele, Giunchi Valentina, Raschi Emanuel, Poluzzi Elisabetta
- 9.48 Survival of inpatients exposed to toxic vs non-toxic levels of antibiotics: an observational retrospective single-cohort study on Therapeutic Drug Monitoring**  
Gazzaniga Gianluca, Giossi Riccardo, Agliardi Stefano, Pani Arianna, Scaglione Francesco
- 10.00 Incidence of ADRs related to antibiotic drug use within the AORN-Ospedali dei Colli of Naples**  
Maiolo Elda, Pagliuca Mena Ilaria, D'Apice Rossana, Esposito Barbara, Guerritore Marco, D'Avino Angela, Barbato Ilaria, Ferraro Marialuisa, Spatarella Micaela
- 10.12 Antibiotic resistance in pediatric UTI: a retrospective study**  
Nasso Chiara, Scarfone Alessandro, Squadrito Violetta, Rottura Michelangelo, Giorgi Domenico Antonio, Pirrotta Igor, Irrera Natasha, Chimenz Roberto, Arcoraci Vincenzo, Squadrito Francesco
- 10.24 Different operational definitions of polypharmacy: a descriptive analysis of the administrative databases of the lombardy region**  
Scotti Stefano, Olmastroni Elena, Galimberti Federica, Casula Manuela
- 10.36 Comparing clinical trial population representativeness to real-world users of 17 biologics approved for immune-mediated inflammatory diseases: an external validity analysis of 66,639 biologic users from the Italian VALORE project**  
Spini Andrea, Ingrasciotta Ylenia, L'Abbate Luca, Fiore Elena Sofia, Carollo Massimo, Ientile Valentina, Isgrò Valentina, Cavazzana Anna, Biasi Valeria, Rossi Paola, Lucian Ejlli, Belleudi Valeria, Poggi Francesca, Sapigni Ester, Puccini Aurora, Ancona Domenica, Stella Paolo, Pollina Addario Walter, Allotta Alessandra, Leoni Olivia, Zanforlini Martina, Tuccori Marco, Gini Rosa, Trifirò Gianluca



September 6<sup>th</sup>, 2023

14.30-16.30

Aula Tridente N. 2

**ORAL COMMUNICATIONS SESSION 6: BASIC RESEARCH**Chairpersons: **Valerio Ciccone, Maria Antonietta Riemma**

- 14.30 Human neurological diseases caused by gain-of-function mutations of endo-/lysosomal CLC transporters: a functional *in vitro* study**  
Coppola Maria Antonietta, Imbrici Paola, Liantonio Antonella, Gavazzo Paola, Fong Peying, Pusch Michael
- 14.42 *Klebsiella pneumoniae* contributes to altered cytotoxicity of thiopurines *in vitro*: possible implications of biotransformation and bacterial metabolism**  
Franzin Martina, Lucafò Marianna, Lagatolla Cristina, Gabriele Stocco, Decorti Giuliana
- 14.54 Sulforaphane and its metabolites reduce the neurotoxicity caused by mutant huntingtin through the activation of Keap1/Nrf2/ARE pathway in Huntington's disease cell models**  
Pruccoli Letizia, Sita Giulia, Pagliarani Barbara, Morroni Fabiana, Tarozzi Andrea
- 15.06 Sex differences in compulsive behaviors and reward system in an animal model of Gaming disorder**  
Casile Antonino, Bonaldo Brigitta, Nasini Sofia, Bettarelli Martina, Marraudino Marilena, Micioni Di Bonaventura Maria Vittoria, Gotti Stefano, Cifani Carlo
- 15.18 Investigation of interferon- $\gamma$  protective effects against oxaliplatin-induced neurotoxicity in organotypic spinal cord slices**  
Ferrara Valentina, Toti Alessandra, Parisio Carmen, Micheli Laura, Lucarini Elena, Ciampi Clara, Margiotta Francesco, Venturi Daniel, Adamo Elisabetta, Gerace Elisabetta, Curti Lorenzo, Mattei Gianluca, Masi Alessio, Mannaioni Guido, Ghelardini Carla, Di Cesare Mannelli Lorenzo
- 15.30 Mesoglycan: the new frontier in the treatment of skin lesions. An overview of recent findings on the use of this drug in wound healing**  
Belvedere Raffaella, Novizio Nunzia, Petrella Francesco, Petrella Antonello
- 15.42 Circulating glycome and proteome on ASGR1 and MRC1 deficient mice to predict cardiometabolic status**  
Nour Jasmine, Svecla Monika, Bladergroen Marco R., Nicolardi Simone, Wuhler Manfred, Falck David, Norata G. Danilo
- 15.54 The protective role of hydrogen sulphide on impaired carbachol-induced contractions in detrusor smooth muscle of ovariectomized rats**  
Cenk Isik, Denizalti Merve, Nezahat Tugba Durlu-Kandilci
- 16.06 Baricitinib protects mice from sepsis-induced cardiac dysfunction and multiple-organ failure**  
Verra Chiara, Mohammad Shireen, Ferreira Alves Gustavo, Porchietto Elisa, Maren Coldewey Sina, Collino Massimo, Thiemermann Christoph



- 16.18 Adolescent treatment with Delta-9-tetrahydrocannabinol modulates cognitive impairments in the neurodevelopmental MAM model of schizophrenia**  
Di Martino Serena, Di Bartolomeo Martina, Stark Tibor, Iannotti Fabio Arturo, Ruda-Kucerova Jana, Romano Giovanni Luca, Kuchar Martin, Laudani Samuele, Piscitelli Fabio, Bucolo Claudio, Drago Filippo, Di Marzo Vincenzo, D'Addario Claudio, Micale Vincenzo

September 6<sup>th</sup>, 2023

14.30-16.30

Aula Tridente N. 3/4

**ORAL COMMUNICATIONS SESSION 7****RARE DISEASES, PERSONALIZED MEDICINE AND PHARMACOGENETICS**Chairpersons: **Arianna Pani, Adele Romano**

- 14.30 Biophysical characterization of muscle precursors of Duchenne muscular dystrophy models during myogenesis: towards new biomarkers and drug targets**  
Cerchiara Alessandro Giovanni, Imbrici Paola, Boccanegra Brigida, Quarta Raffaella, De Santis Chiara, Wells Dominic J., Mouly Vincent, De Luca Annamaria, Cappellari Ornella
- 14.42 Computational repurposing of FDA-approved drugs for the potential treatment of lipodystrophy syndrome by disruption of irisin dimerization**  
Flori Lorenzo, Brogi Simone, Sirous Hajar, Calderone Vincenzo
- 14.54 Lysosomal biogenesis as a therapeutic strategy for Hereditary Spastic Paraplegia**  
Guarato Giulia, Vantaggiato Chiara, Dianin Francesca, Rossato Roberta, Gumeni Sentiljana, Bassi Maria Teresa, Orso Genny
- 15.06 Investigating the effect of fenamates and diclofenac in ClC-1 chloride channel activity: a potential role in myotonia congenita**  
Lagetti Paola, Campanale Carmen, Saltarella Ilaria, Altamura Concetta, Desaphy Jean-François
- 15.18 A new combined treatment in the management of non-healing ulcer in a patient with Klippel-Trenaunay syndrome**  
Marcianò Gianmarco, Vocca Cristina, Rania Vincenzo, Catarisano Luca, Serra Raffaele, De Sarro Giovambattista, Citraro Rita, Gallelli Luca
- 15.30 New pharmacological treatment for Tubular Aggregate Myopathies**  
Pessolano Emanuela, Genazzani Armando
- 15.42 L-citrulline-enriched diet improves muscle force and histopathology signs in the *mdx* mouse model of Duchenne Muscular Dystrophy**  
Tulimiero Lisamaura, Boccanegra Brigida, Mantuano Paola, Cirmi Santa, De Bellis Michela, Cappellari Ornella, De Luca Annamaria
- 15.54 Drug discovery and repurposing to find a treatment for Lafora Disease**  
Dinoi Giorgia, Conte Elena, Trisciuzzi Daniela, Palumbo Orazio, Nicolotti Orazio, Carella Massimo, De Luca Annamaria, d'Orsi Giuseppe, Altomare Cosimo Damiano, Imbrici Paola, Liantonio Antonella

**16.06 Sildenafil corrects mitochondrial membrane potential in human neural progenitor cells with homoplasmic mutations in MT-ATP6 gene**

Pedrotti Giulia, Zink Annika, Santanatoglia Chiara, Henke Marie-Thérèse, Di Donfrancesco Alessia, Brunetti Dario, Tiranti Valeria, Schuelke Markus, Prigione Alessandro, Bottani Emanuela

**16.18 Methotrexate mimicry for MTHFR C677T defect increases serum homocysteine levels and endothelial progenitor cell (EPCs) dysfunction in atrial fibrillation patients**

Scaringella Antonietta, Desantis Vanessa, Sgarra Luca, Potenza Maria Assunta, Nacci Carmela, Cicco Sebastiano, Solimando Antonio Giovanni, Vacca Angelo, Montagnani Monica

September 6<sup>th</sup>, 2023

18.00-19.00

Aula Tridente N. 2

**ORAL COMMUNICATIONS SESSION 8: MISCELLANEOUS I**

Chairpersons: **Mariarosaria Cuozzo, Fabio Gardoni**

**18.00 Neuroprotective effect of bFGF mimetic, SUN11602, on tissue regeneration and glial cells activation in an *in vivo* model of spinal cord injury**

Bova Valentina, Filippone Alessia, Ardizzone Alessio, Repici Alberto, Paterniti Irene, Cuzzocrea Salvatore, Esposito Emanuela

**18.12 Short- and long-term chronic mild stress exposure defines specific metabolomic signature that underlies vulnerability and resilience: a role for the antidepressant venlafaxine**

Brivio Paola, Audano Matteo, Gallo Maria Teresa, Gruca Piotr, Lason Magdalena, Litwa Ewa, Fumagalli Fabio, Mariusz Papp, Mitro Nico, Calabrese Francesca

**18.24 Role of a new dual A<sub>2A</sub>/A<sub>2B</sub> antagonist in contrasting demyelination in a mouse model of Multiple Sclerosis**

Morozzi Martina, Calenda Sara, Varano Flavia, Catarzi Daniela, Colotta Vittoria, Galeotti Nicoletta

**18.36 Vitamin D3 and Meso-Zeaxanthin protective effect in an integrated *in vitro* model of Age-Related Macular Degeneration**

Conti Federica, Lazzara Francesca, Platania Chiara Bianca Maria, Eandi Chiara M, Drago Filippo, Bucolo Claudio

**18.48 Spleen tyrosine kinase as innovative pharmacological target for counteracting diet-induced metabolic derangements in mice**

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

September 6<sup>th</sup>, 2023

18.00-19.00

Aula Tridente N. 3/4

**ORAL COMMUNICATIONS SESSION 9: MISCELLANEOUS II**Chairpersons: **Carmela Fimognari, Gianluca Gazzaniga**

- 18.00 Developmental exposure to cocaine alters mTOR signaling in the medial prefrontal cortex: effects on cognition**  
Mottarlini Francesca, Castillo-Díaz Fernando, Targa Giorgia, Rizzi Beatrice, Fumagalli Fabio, Caffino Lucia
- 18.12 Maternal immune activation impairs endocannabinoid signaling in the mesolimbic system of adolescent male offspring**  
Santoni Michele, Sagheddu Claudia, Serra Valeria, Mostallino Rafaela, Castelli Maria Paola, Pisano Francesco, Scherma Maria, Fadda Paola, Muntoni Anna Lisa, Zamberletti Erica, Rubino Tiziana, Melis Miriam, Pistis Marco
- 18.24 Chemobrain: Mitoxantrone effects on the brain's thiolomic profile of CD-1 mice**  
Carvalho Ana Dias, Mendes Ana Reis, Sequeira Catarina O., Azeredo Pereira Sofia, Carvalho Félix, Sá Susana Isabel, Fernandes Eduarda, Costa Vera Marisa
- 18.36 Silencing of ANGPTL3 induces liver fat accumulation: an *in vitro* 2D and 3D cell culture model**  
Rossi Ilaria, Marodin Giorgia, Lupo Maria Giovanna, Ferri Nicola
- 18.48 EB-402, a H<sub>2</sub>S-donor hybrid drug, with an improved vascular profile**  
Spezzini Jacopo, Flori Lorenzo, Piragine Eugenia, Citi Valentina, Testai Lara, Barresi Elisabetta, Taliani Sabrina, Da Settimo Passetti Federico, Martelli Alma, Calderone Vincenzo

**September 7<sup>th</sup>, 2023**
**9.00-11.00**
**Aula Tridente N. 2**
**ORAL COMMUNICATIONS SESSION 10: CARDIOVASCULAR AND METABOLIC PHARMACOLOGY**

 Chairpersons: **Mariarosaria Bucci, Maria Antonietta Riemma**

- 9.00 Clozapine slows down adipogenesis, blunts mitochondrial biogenesis, and causes mitochondrial hyperpolarization associated with increased mitochondrial ROS formation and dysfunction**  
Buffi Gloria, Blandino Giulia, Fiorani Mara, Bagherlou Nazanin, Canonico Barbara, Montanari Mariele, Guidarelli Andrea, Cantoni Orazio
- 9.12 A differential proteomic analysis on HuH7 hepatocarcinoma cell line naturally overexpressing or hypoexpressing low density lipoprotein receptor**  
Lupo Maria Giovanna, Franchin Cinzia, Arrigoni Giorgio, Ferri Nicola
- 09.24 Hydrogen sulfide donor AP123 restores endothelial nitric oxide-dependent vascular function in hyperglycemia via a CREB-dependent pathway**  
Montanaro Rosangela, Vellecco Valentina, Torregrossa Roberta, Casillo Gian Marco, Manzo Onorina Laura, Mitidieri Emma, Bucci Mariarosaria, Castaldo Sigismondo, Sorrentino Raffaella, Whiteman Matthew, Smimmo Martina, Carriero Flavia, Terrazzano Giuseppe, Cirino Giuseppe, d'Emmanuele di Villa Bianca Roberta, Brancaleone Vincenzo
- 9.36 Pharmacological inhibition of casein kinase-2 with silmitasertib attenuates sepsis-induced cardiovascular dysfunction, thus prolonging the survival of septic mice**  
Ferreira Alves Gustavo, Aimaretti Eleonora, da Silveira Hahmeyer Maria Luísa, Einaudi Giacomo, Porchietto Elisa, Rubeo Chiara, Collotta Debora, Mastrocola Raffaella, Aragno Manuela, Cifani Carlo, da Silva-Santos José Eduardo, Fernandes Daniel, Collino Massimo
- 9.48 Amelioration of inflammation, oxidative stress and RAAS system by Dapagliflozin in a non-diabetic model of hypertension and cardiorenal syndrome**  
Bellocchio Gabriella, Donniacuo Maria, Riemma Maria Antonietta, Telesca Marialucia, Mele Elena, Cappetta Donato, De Angelis Antonella, Urbanek Konrad, Berrino Liberato
- 10.00 Oleoylethanolamide mitigates cardiac metabolic alterations secondary to obesity induced by high-fat diet in mice**  
Comella Federica, Pirozzi Claudio, Aragón Herrera Alana, Lama Adriano, Annunziata Chiara, Melini Stefania, Opallo Nicola, Meli Rosaria, Lago Paz Francisca, Mattace Raso Giuseppina
- 10.12 Investigating the effect of depression and cognitive disorders on myocardial ischemia/reperfusion injury: the influence of the gender**  
Chania Christina, Vamvaka-Iakovou Anastasia, Megalokonomou Anastasia, Efentakis Panagiotis, Christodoulou Andriana, Livadiotis Antonis, Pavlidi Pavlina, Dalla Christina, Sotiropoulos Ioannis, Andreadou Ioanna
- 10.24 Nogo-B regulation of sphingolipid metabolism in macrophage functions in atherosclerosis**  
Smimmo Martina, Manzo Onorina Laura, Rubinelli Luisa, Vellecco Valentina, Bucci Mariarosaria, Di Lorenzo Annarita

**10.36 Proprotein Convertase Subtilisin/Kexin Type 9: A Promising Marker of Cardiovascular Risk in Postmenopausal Diabetic Women in Primary Prevention**

Rottura Michelangelo, Drago Selene Francesca Anna, Imbalzano Egidio, Orlando Luana, Barbieri Maria Antonietta, Squadrito Francesco, Arcoraci Vincenzo, Irrera Natasha

September 7<sup>th</sup>, 2023

9.00-11.00

Aula Tridente N. 3/4

**ORAL COMMUNICATIONS SESSION 11: INFLAMMATION PHARMACOLOGY AND IMMUNOPHARMACOLOGY**

Chairpersons: **Alessio Ardizzone, Giuseppe Cirino**

**9.00 LRRK2 inhibition mitigates colon dysfunctions and mediates mitophagy associated with Parkinson's disease**

Mannino Deborah, Cucinotta Laura, Filippone Alessia, Paterniti Irene, Campolo Michela, Cuzzocrea Salvatore, Esposito Emanuela

**9.12 New biologic (Ab-IPL-IL17™ monoclonal antibody) for IL-17-mediated diseases: identification of the bioactive sequence (nIL-17™ peptide) for IL-17A/F function**

Saviano Anella, Abo Manosour Adel, Raucci Federica, Merlino Francesco, Marigliano Noemi, Schettino Anna, Profeta Donato, Pinti Lorys, Vellecco Valentina, Cirino Giuseppe, Bucci Mariarosaria, Grieco Paolo, McGettrick Helen M, Iqbal Asif Jilani, Maione Francesco

**9.24 Inflammatory type 2 conventional dendritic cells (cDC2) are reprogrammed by tryptophan metabolite L-kynurenine (L-kyn) in a model of multiple sclerosis**

Mencarelli Giulia, Ricciuti Doriana, Scalisi Giulia, Padiglioni Eleonora, Pieroni Benedetta, Manni Giorgia, Murphy Kenneth M., Gargaro Marco, Fallarino Francesca

**9.36 Ecto-5'-nucleotidase (CD73) modulates human keratinocyte proliferation (HaCaT) and psoriasis-like inflammation, in mice**

De Palma Giacomo, Caiazza Elisabetta, Romano Barbara, Lucariello Giuseppe, Ialenti Armando, Cicala Carla

**9.48 Prolyl oligopeptidase inhibition ameliorates experimental pulmonary fibrosis both *in vivo* and *in vitro***

Cucinotta Laura, Mannino Deborah, Casili Giovanna, Campolo Michela, Paterniti Irene, Cuzzocrea Salvatore, Esposito Emanuela

**10.00 Loss of RACK1-related maintenance of epithelial barrier integrity in Ulcerative Colitis**

Limosani Roberta

**10.12 Galectin-3 and  $\alpha$ -klotho as predictors of long-term outcomes for peritoneal dialysis**

Branco Patrícia, Calça Rita, Martins Ana Rita, Mateus Catarina, Jervis Maria João, Pinto Gomes Daniel, Azeredo-Lopes Sofia, De Melo Junior Antonio F., Sousa Cátia, Civantos Ester, Mas-Fontao Sebastian, Gaspar Augusta, Ramos Sância, Morello Judit, Nolasco Fernando, Rodrigues Anabela, Azeredo Pereira Sofia

- 10.24 Antibody response in women vaccinated against SARS-Cov-2 during pregnancy and respective babies at birth and over a nine-months follow-up**  
Proto Alice, Agliardi Stefano, Pani Arianna, Renica Silvia, Gazzaniga Gianluca, Giossi Riccardo, Senatore Michele, Di Ruscio Federica, Vismara Chiara, Campisi Daniela, Scaglione Francesco, Martinelli Stefano
- 10.36 The importance of therapeutic drug monitoring of anti-thymocyte globulin in pediatric recipients of hematopoietic stem cells transplantation: a study to prevent Graft-versus-host disease (GvHD)**  
Curci Debora, Maximova Natalia, Forleo Beatrice, Valencic Erica, Franca Raffaella, Rabusin Marco, Decorti Giuliana, Stocco Gabriele
- 10.48 STAT1 overexpression triggers aplastic anemia: a new theragnostic window for JAK/STAT targeting**  
Desantis Vanessa, Solimando Antonio Giovanni, Scaringella Antonietta, Andriano Alessandro, Marasco Carolina, Pappagallo Fabrizio, Ingravallo Giuseppe, Di Paola Rosa, Tabares Paula, Beilhac Andreas, Vacca Angelo, Montagnani Monica





# Poster Sessions



September 5<sup>th</sup>, 2023

18.30-20.00

Area Poster Anfiteatro del Tridente

**POSTER SESSION 1: PRE-CLINICAL DEVELOPMENT**Chairpersons: **Fabrizio Gardoni, Andreas Papapetropoulos, Maria Antonietta Riemma**

- P1 Underpinning the role of UPR-responsive ERO1 in melanoma immunotherapy**  
Cherubini Alessandro, Zito Ester, Varone Ersilia
- P2 Extracellular Nicotinamide Phosphoribosyltransferase (eNAMPT) neutralization counteracts T cell immune evasion in breast cancer**  
Colombo Giorgia, Travelli Cristina, Sangaletti Sabina, Genazzani Armando
- P3 Chronic stress exposure of female rats elicits cognitive and neurochemical alterations in male young-adulthood offspring**  
Agosti Lisa Pia, Dimonte Stefania, Tucci Paolo, Schiavone Stefania, Trabace Luigi
- P4 Anti-CD19 monoclonal antibody in combination with metronomic chemotherapy for the treatment of diffuse large B-cell lymphoma**  
Banchi Marta, Cox Maria Christina, Orlandi Paola, Bandini Arianna, Bocci Guido
- P5 New therapeutic intervention for amyotrophic lateral sclerosis: analysis of the effects of acetazolamide on the biophysical properties of skeletal muscle in a transgenic mouse model**  
Canfora Ileana, Tarantino Nancy, Mantuano Paola, Cappellari Ornella, Conte Elena, Camerino Giulia Maria, Dobrowolny Gabriella, Musarò Antonio, De Luca Annamaria, Pierno Sabata
- P6 Preclinical drug studies in Duchenne muscular dystrophy: update on phenotypic characterization of the D2-mdx mouse model**  
Caputo Erika, Mantuano Paola, Boccanegra Brigida, Tulimiero Lisamaura, Cristiano Enrica, Conte Elena, De Bellis Michela, Mele Antonietta, Cappellari Ornella, De Luca Annamaria
- P7 Identification and characterization of novel selective K<sub>Na</sub>1.1 channel blockers**  
Carotenuto Lidia, Miceli Francesco, Barrese Vincenzo, Carleo Giusy, Soldovieri Maria Virginia, Ambrosino Paolo, Iraci Nunzio, Ostacolo Carmine, Campiglia Pietro, Tagliatela Maurizio
- P8 Platinized carbon as a transducer for the development of glucose biosensors for neurochemical monitoring**  
Caval Myriam, Rocchitta Gaia, Serra Pier Andrea, Sanna Carlà, Marceddu Salvatore
- P9 Prefrontal allopregnanolone synergizes with D1 receptor activation to disrupt sensorimotor gating in male Sprague-Dawley rats**  
Concas Luca, Traccis Francesco, Cadeddu Roberto, Mosher J.Laura, Nordkild Peter, Gaikwad W. Nilesh, Bortolato Marco, Frau Roberto
- P10 The potential synergistic action of dasatinib-ataluren association in Duchenne muscular dystrophy: first assessment in murine cell models**  
Cristiano Enrica, Quarta Raffaella, De Santis Chiara, Cerchiara Alessandro Giovanni, Cappellari Ornella, De Luca Annamaria

- P11 Effects of SRT2104, a SIRT1 selective activator, on human muscle cell model of Duchenne Muscular Dystrophy**  
De Santis Chiara, Quarta Raffaella, Cristiano Enrica, Cerchiara Alessandro Giovanni, Zecchini Silvia, Barile Simona Nicole, Lasorsa Francesco Massimo, Mouly Vincent, De Palma Clara, Clementi Emilio, De Luca Annamaria, Giovarelli Matteo, Cappellari Ornella
- P12 Chronic intranasal administration of URB597 reverts short-term memory deficits in a rat model of metabolic syndrome**  
Di Cesare Benedetta, Pisaneschi Arianna, Zannetti Alessia, Mancini Giulia Federica, Morena Maria, Campolongo Patrizia
- P13 Putative antiproliferative effects of mebendazole in pediatric astrocytoma cell lines**  
Ferraro Giulia, Ruggiero Antonio, Navarra Pierluigi, Lisi Lucia
- P14 *In vitro* model of dry eye using reconstructed human corneal tissues for medical device testing**  
Galgani Giulia, Bray Giorgia, Federighi Federigo, Sansò Marco, Citi Valentina, Calderone Vincenzo
- P15 Biochemical and functional characterization of mPGES-1 inhibition in the human glioblastoma cell line U87 MG**  
Hofling Ulrika, Patrignani Paola, Tacconelli Stefania, Jakobsson Per-Johan, Larsson Karin
- P16 Targeting the  $\alpha$ -synuclein-glucocerebrosidase interplay to develop disease-modifying drugs in Parkinson's disease**  
Iurato La Rocca Antonino, Gerace Elisabetta, Ranieri Giuseppe, Curti Lorenzo, Ferrara Valentina, Clemente Francesca, Matassini Camilla, Cardona Francesca, Goti Andrea, Tonin Rodolfo, Morrone Amelia, Di Cesare Mannelli Lorenzo, Ghelardini Carla, Mannaioni Guido, Masi Alessio
- P17 BCAAs-based supplementation in a mouse model of ageing: effects on histomorphology of sarcopenic muscles and perspectives for age-related co-morbidities**  
Lenti Roberta, Mantuano Paola, Bianchini Gianluca, Cappellari Ornella, Tulimiero Lisamaura, Conte Elena, De Bellis Michela, Mele Antonietta, Liantonio Antonella, Allegretti Marcello, Aramini Andrea, De Luca Annamaria, Boccanegra Brigida
- P18 Effects of Ultramicronized Palmitoylethanolamide in the management of mood disorders associated to paclitaxel**  
Liguori Fabrizio Maria, Cristiano Claudia, Cuozzo Maria Rosaria, Aviello Gabriella, Russo Roberto
- P19 PEPTide Inhibitor of Trans-Endothelial Migration (PEPITEM) inhibits proliferation and inflammatory response in macrophages/keratinocytes and ameliorates imiquimod-induced psoriasis-like inflammation in mice**  
Marigliano Noemj, Saviano Anella, Schettino Anna, Profeta Donato, Pinti Lorys, Cirino Giuseppe, Bucci Mariarosaria, McGettrick Helen M, Iqbal Asif Jilani, Rainger GE, Maione Francesco
- P20 Identification of CGRP-mediated TRPA1 activation pathway in Schwann Cells**  
Marini Matilde, De Logu Francesco, Nassini Romina, Landini Lorenzo, Souza Monteiro de Araujo Daniel, Titz Mustafa, Geppetti Pierangelo

- P21 NCX 1728, a nitric oxide (NO)-donating avanafil restores ocular blood flow and retinal physiology following endothelin 1 (ET-1)-induced ischemia/reperfusion injury of optic nerve head and retina in New Zealand White (NZW) rabbits**  
Marri Silvia, Sgambellone Silvia, Villano Serafina, Galli Corinna, Impagnatiello Francesco, Lucarini Laura
- P22 N-3 polyunsaturated fatty acid reintroduction at adulthood partially rescues depressive-like signature in female rats**  
Palmieri Maria Adelaide, Sikora Vladyslav, Morgese Maria Grazia, Trabace Luigia
- P23 Sagrantino vine cv. leaves extracts and nanovesicles: chemical characterization and *in vitro* evaluation of vasoactive properties**  
Panti Alice, Carullo Gabriele, Aiello Francesca, Fusi Fabio, Saponara Simona, Puoci Francesco, Logozzi Mariantonia, Valoti Massimo
- P24 *In vitro* evaluation and characterization of the cytotoxic potential of two newly extracted marine polyketides**  
Pellicioni Valentina, Greco Giulia, Costantino Valeria, Teta Roberta, Esposito Germana, Fimognari Carmela
- P25 Chemopreventive and chemosensitizing effects of clove oil and its main components in melanoma cells**  
Percaccio Ester, Garzoli Stefania, Di Giacomo Silvia, Eufemi Margherita, Di Sotto Antonella
- P26 Identification of quantitative PCR reference genes suitable for normalizing gene expression in normal and dystrophic human cell culture as platform for preclinical drug studies**  
Quarta Raffaella, Cerchiara Alessandro, De Santis Chiara, Boccanegra Brigida, Hildyard John, Mouly Vincent, De Luca Annamaria, Cappellari Ornella
- P27 Prenatal vitamin D supplementation improves ASD-like behavioural alterations in male BTBR mice**  
Santoro Martina, Bove Maria, Romano Adele, Trabace Luigia
- P28 Prospective study of the immunological response to Factor VIII in severe hemophilia a patients during immune tolerance induction treatment**  
Sarnari Francesco, De Luca Antonella, Scalisi Giulia, Gargaro Marco, Rossini Sofia, Castman Giancarlo, Di Minno Giovanni, Giordano Paola, Mancuso Maria Elisa, Marchesini Emanuela, Peyvandi Flora, Santagostino Elena, Santoro Cristina, Schiavulli Michele, Iorio Alfonso, Matino Davide, Fallarino Francesca
- P29 *In vitro* and *in vivo* studies on novel PCSK9 inhibitors as pharmacological approach for the treatment of Alzheimer's disease**  
Ugolotti Martina, Papotti Bianca, Zimetti Francesca, Mattina Beatrice, Zanotti Ilaria, Bodria Martina, Vilella Antonietta, Giuliani Daniela, Giannessi Lisa, Eliviri Lisa, Rossi Ilaria, Lupo Maria Giovanna, Ferri Nicola, Radi Marco, Bernini Franco

- P30 Protective effect of acute hydroxychloroquine treatment on lipopolysaccharide-induced endothelial damage in mice**  
Telli Gokcen
- P31 The effects of endogenous nitric oxide synthase inhibitor asymmetric dimethylarginine on lipopolysaccharide-induced airway inflammation and bronchial hyperreactivity in mice**  
Karaman Yasemin, Kaya-Yasar Yesim, Turgut Emrah Bozkurt, Sevgen Celik Onder, Inci Sahin-Erdemli
- P32 Proteolysis-targeting chimeras, PROTACs, an important tool in targeting “undruggable” proteins in cancer treatment**  
Lampropoulou Alexandra, Smina Alexandra, Siokatas Christos, Sarli Vasiliki, Tamvakopoulos Constantin
- P33 Pharmacological characterization of selective  $\alpha 4\beta 1$  integrin antagonists**  
Maurizio Andrea, Baiula Monica, Spampinato Santi Mario
- P34 Genetically modified *Lactobacillus paracasei* subsp *paracasei* F19 producing oleoylethanolamide (OEA) relieves peripheral and central symptoms associated with metabolic diseases**  
Basili Franzin Silvia, Seguella Luisa, Del Re Alessandro, Palenca Irene, Zilli Aurora, Esposito Giuseppe
- P35 Spinal and supraspinal characterization of an inflammatory CFA-induced model of Vulvodinia**  
Fusco Antimo, Perrone Michela, Ricciardi Federica, Morace Andrea Maria, Belardo Carmela, Boccella Serena, Guida Francesca, Maione Sabatino, Luongo Livio
- P36 Age-driven granulopoietic alterations worsen ischemic stroke outcome in the elderly**  
Gullotta Giorgia Serena, De Feo Donatella, Friebel Ekaterina, Semerano Aurora, Scotti Giulia Maria, Bergamaschi Andrea, Butti Erica, Brambilla Elena, Capotondo Alessia, Gallizioli Mattia, Vigo Tiziana, Della Valle Patrizia, Comi Giancarlo, D'Angelo Armando, Maugeri Norma, Roveri Luisa, Uccelli Antonio, Martino Gianvito, Bacigaluppi Marco
- P37 Late treatment with RU486 normalizes the programming effects of brief and repeated periods of social isolation stress in adolescent rats**  
Mancini Giulia Federica, Di Cesare Benedetta, Fang Zhou, Buurstede Jacobus, Meijer Onno, Campolongo Patrizia
- P38 Transcriptional profile of stress vulnerability and fast-acting antidepressant ketamine response/non-response in a preclinical model of depression**  
Mingardi Jessica, Misztak Paulina, Magri Chiara, Martini Paolo, Barbon Alessandro, Musazzi Laura
- P39 Differential effects of melatonin on anxiety-like behavior during aging**  
Nasini Sofia, Tidei Sara, De Gregorio Danilo, Cambiaghi Marco, Comai Stefano
- P40 Cell-autonomous and non cell-autonomous alterations of adult hippocampal neural progenitors from 3XTG mice, a model of Alzheimer’s disease**  
Pagano Corinna Anais, Bortolotto Valeria, Bonetto Valentina, Manfredi Marcello, Canonico Pier Luigi, Dematteis Giulia, Tapella Laura, Lim Dmitry, Grilli Mariagrazia

- P41 High-fat diet negatively affects the mucosal barrier function in the duodenum and trigger crucial changes along the gut-brain axis glial cells involved in angiogenic and depressive-like behaviours**  
Palenca Irene, Seguella Luisa, Basili Franzin Silvia, Zilli Aurora, Esposito Giuseppe
- P42 Schwann cell activated CGRP receptor elicit periorbital mechanical allodynia via NO production in mice**  
Souza Monteiro de Araujo Daniel, De Logu Francesco, Nassini Romina, Landini Lorenzo, Marini Matilde, Titiz Mustafa, Geppetti Pierangelo
- P43 Pleiotrophin enhances endothelial protein synthesis and cell migration via a PTPRZ1-dependent c-Met and mTORC1 activation**  
Mourkogianni Eleni, Enake Michaela-Karina, Despoina Ntenekou, Athanasios Xanthopoulos, Papadimitriou E.
- P44 Preclinical evaluation of innovative PDL-1-targeted Immunoliposomes loaded with doxorubicin: new perspectives in HCC treatment with a focus on the immune tumor microenvironment**  
Zanotto Ilaria, Gabbia Daniela, Grigoletto Antonella, Frion-Herrera Yahima, Pasut Gianfranco, De Martin Sara

September 6<sup>th</sup>, 2023

16.30-18.00

Area Poster Anfiteatro del Tridente

**POSTER SESSION 2: PRE-CLINICAL DEVELOPMENT**Chairpersons: **Michela Campolo, Adele Romano, Rossana Roncato**

- P1 BDNF receptor dysfunction across dementias: evaluating TrkB-ICD in human AD and FTD patient samples**  
Alemán-Serrano Nuno, Costa-Coelho Tiago, De Almeida-Borlido Carolina, Sebastião Ana M., De Mendonça Alexandre, Diógenes Maria José
- P2 Decoding the neuroimmune activation of PIGF/Nrp1 pathway in splenic immune cells**  
Ambrosino Sara, Rossini Sofia, Mondanelli Giada, Orabona Ciriana
- P3 The combined inhibitory actions of staurosporine of TRPV1 and KATP channels and tyrosin kinases is associated with the reduced cell morphology and antiproliferative effects in the SU-DIPG-36 cells**  
Antonacci Marina, Miciaccia Morena, Maqoud Fatima, Dibenedetto Jacopo Raffaele, Di Turi Annamaria, Perrone Maria Grazia, Scilimati Antonio, Tricarico Domenico
- P4 Exposure to chronic unavoidable stress produces motivational anhedonia in rats: restorative properties of chronic lurasidone treatment**  
Begni Veronica, Silipo Diana Morena, Corridori Eleonora, Salviati Sara, Scheggi Simona, Riva Marco Andrea
- P5 Zebrafish as a model for the study of the oxidant-sensitive transient receptor potential ankyrin 1 (TRPA1) in Oxaliplatin-induced painful neuropathy**  
Bellantoni Elisa, Marini Matilde, Chieca Martina, De Logu Francesco, Geppetti Pierangelo, Nassini Romina



- P6 Integrative genomic analyses to identify biomarkers for thiopurine-induced pancreatitis in children with inflammatory bowel diseases**  
Bidoli Carlotta, Rispoli Paola, Lucafò Marianna, Bramuzzo Matteo, Yang Wenjian, J Yang Jun, D'Adamo Pio, Decorti Giuliana, Stocco Gabriele
- P7 Hydrogen sulfide donors improve skeletal muscle dysfunction related to obesity**  
Casale Veronica, Smimmo Martina, Casillo Gian Marco, Bello Ivana, Panza Elisabetta, Cirino Giuseppe, Bucci Mariarosaria, Vellecco Valentina
- P8 Identification of NAMPT phosphorylation sites as regulator of its structure and function**  
Cascetta Greta, La Mantia Chiara, Colombo Giorgia, Travelli Cristina
- P9 Kv7 channels as novel regulators of blood-brain barrier function and dysfunction**  
Celentano Camilla, Barrese Vincenzo, Carotenuto Lidia, Miceli Francesco, Iervolino Stefania, Corrado Brunella, Vecchione Raffaele, Netti Paolo Antonio, Tagliatela Maurizio
- P10 Role of lysosomal acid lipase in PPAR mediated reduction of lipid accumulation in hepatocytes**  
Cetti Federica, Ossoli Alice, Da Dalt Lorenzo, Norata Giuseppe Danilo, Calabresi Laura, Gomaraschi Monica
- P11 Anti-inflammatory effects of Glucocorticoid Induced Leucine Zipper (GILZ) based peptides in human lymphocytic and monocytic cell lines**  
Contini Raffaele, Paglialunga Musetta, Febo Marta, Bereshchenko Oxana, Ronchetti Simona, Riccardi Carlo, Migliorati Graziella, Bruscoli Stefano
- P12 *In vitro* analysis of neurotoxic effects of exposure to endocrine disruptor molecules**  
Corrieri Camilla, Graziosi Agnese, Sita Giulia, Morroni Fabiana, Hrelia Patrizia
- P13 Hydrogen sulfide and hydrogen peroxide have a protective effect on carbachol-induced contractions that are impaired by high glucose in detrusor smooth muscle**  
Denizalti Merve, Nezahat Tugba Durlu-Kandilci
- P14 Unrevealing the role of the neuropeptide oxytocin in anorexia nervosa: a preclinical investigation**  
Eramo Barbara, Nilsson Ida, Gaetani Silvana, Romano Adele
- P15 Pharmacological characterisation of new highly selective adenosine A3 receptor antagonists**  
Frulloni Lucia, Cherchi Federica, Venturini Martina, Santalmasi Clara, Spinaci Andrea, Lambertucci Catia, Dal Ben Diego, Volpini Rosaria, Pugliese Anna Maria, Coppi Elisabetta
- P16 Functional relevance of extracellular CD73 released by melanoma cells**  
Giraulo Caterina, Orlando Lavinia, Morretta Elva, Müller Christa E., Monti Maria Chiara, Morello Silvana
- P17 Analysis of circulating miRNAs in ovarian cancer as novel biomarkers of chemotherapy response**  
Gorini Francesca, Ravegnini Gloria, Monesmith Sarah, Tesei Marco, Perrone Anna Myriam, De Iaco Pierandrea, Hrelia Patrizia, Angelini Sabrina

- P18 TGF- $\beta$ 1 in the cognitive decline of Down's syndrome: a new pharmacological target?**  
Grasso Margherita, Fidilio Annamaria, L'Episcopo Francesca, Recupero Marilena, Benatti Cristina, Giambirtone Maria Concetta, Buono Serafino, Ferri Raffaele, Barone Concetta, Bacalini Maria Giulia, Tascedda Fabio, Caraci Filippo
- P19 The cytokine eNAMPT (extracellular Nicotinamide Phosphoribosyltransferase) is a novel therapeutic target in Gut inflammation**  
La Mantia Chiara, Cascetta Greta, Colombo Giorgia, Porta Chiara, Lenti Marco Vincenzo, Pasini Alessandra, Caviglia Gian Paolo, Ribaldone Davide, Di Sabatino Antonio, Travelli Cristina
- P20 MDMA chronic administration produces alterations in neuroinflammatory related molecular targets in rat CNS**  
Lacorte Antonio, Rullo Laura, Morosini Camilla, Losapio Loredana Maria, Domi Ana, Ciccocioppo Roberto, Candeletti Sanzio, Romualdi Patrizia
- P21 Acetaldehyde via CGRP receptor and TRPA1 in Schwann cells mediates ethanol-evoked periorbital mechanical allodynia in mice: relevance for migraine**  
Landini Lorenzo, Souza Monteiro de Arajo Daniel, De Siena Gaetano, Bellantoni Elisa, Chieca Martina, Geppetti Pierangelo, Nassini Romina, De Logu Francesco
- P22 Effects induced by prenatal exposure to chlorpyrifos on neuroinflammatory responses and hypnic phenotype in mice**  
Losapio Loredana Maria, Rullo Laura, Morosini Camilla, Lacorte Antonio, Alvente Sara, Lo Martire Viviana, Berteotti Chiara, Bastianini Stefano, Matteoli Gabriele, Miglioranza Elena, Silvani Alessandro, Zoccoli Giovanna, Candeletti Sanzio, Romualdi Patrizia
- P23 Effects of a large panel of stimuli on MUC5AC and MUC5B mucin production in respiratory epithelial cells**  
Malfacini Davide, Negrini Marco Solimano, Tevisani Marcello, Girolamo Calo', Medjiofack Djeujo Francine
- P24 Pathogenic insights for reducing thalamic hemorrhage-induced pain and depression by regulating microglia and MED1/BDNF/TrkB signaling**  
Morace Andrea Maria, Infantino Rosmara, Luongo Livio, Boccella Serena, Guida Francesca, Iannotta Monica, Belardo Carmela, Perrone Michela, Fusco Antimo, Ricciardi Federica, Marabese Ida, Maione Sabatino
- P25 Impact of Heated Tobacco Products on oxidative stress and inflammatory processes in the rat prefrontal cortex**  
Morosini Camilla, Rullo Laura, Losapio Loredana Maria, Lacorte Antonio, Vivarelli Fabio, Canistro Donatella, Franchi Paola, Lucarini Marco, Paolini Moreno, Candeletti Sanzio, Romualdi Patrizia
- P26 Inflammatory bowel disease patient-derived organoids for the evaluation of glucocorticoid effects on intestinal epithelial cells**  
Muzzo Antonella, Lucafò Marianna, Bramuzzo Matteo, Giorio Lorenzo, Paglialunga Musetta, Bruscoli Stefano, Cutillo Erica, Decorti Giuliana, Stocco Gabriele



- P27** **PACSIN2 knock-down in intestinal cells increases mercaptopurine cytotoxicity, modulates extracellular vesicles miRNAs and reduces Rac1 protein expression and Rac1 activity**  
Norbedo Alessia, Lucafò Marianna, Senigaliesi Beatrice, Parisse Pietro, Bidoli Carlotta, Gerdol Marco, Lenassi Metka, Casalis Loredana, Stocco Gabriele, Decorti Giuliana
- P28** **In melanoma cells a condition of nutrient deprivation up-regulates CD73 expression**  
Orlando Lavinia, Giraulo Caterina, Belvedere Raffaella, Müller Christa E., Morello Silvana
- P29** **Colonoid-derived monolayers: first steps towards the establishment of an inflamed *in vitro* model**  
Parente Inês, Chiara Maria Linda, Bottazzini Gloria, Gaiani Federica, De Angelis Gian Luigi, Barocelli Elisabetta, Bertoni Simona
- P30** **Effect of novel dual COX-2 inhibitors/TP antagonists on breast cancer cell invasion**  
Ramaschi Giovanni Eugenio, Buccellati Carola, Zinato Maddalena, Trevisi Lucia, Sala Angelo, Bolego Chiara
- P31** **Induced pluripotent stem cells (iPSCs)-derived pancreatic models as a tool for personalized medicine: a focus on thiopurine-induced pancreatitis**  
Rispoli Paola, Genova Elena, Lucafò Marianna, Bramuzzo Matteo, Stocco Gabriele, Decorti Giuliana
- P32** **Human glucocorticoid-induced leucine zipper role in mucosal barrier dysfunction in IBD patients and healthy subjects**  
Rosati Lucrezia, Cari Luigi, Leoncini Giuseppe, Migliorati Graziella, Ronchetti Simona
- P33** **Pharmacological evaluation of a new dual adenosine A2A/A2B receptors antagonist on neurotransmission during paired pulse facilitation and oxygen and glucose deprivation in the CA1 region of rat hippocampal slices**  
Santalmasi Clara, Venturini Martina, Cherchi Federica, Frulloni Lucia, Dettori Ilaria, Catarzi Daniela, Pedata Felicita, Colotta Vittoria, Varano Flavia, Coppi Elisabetta, Pugliese Anna Maria
- P34** **Mitochondrial metabolism as pharmacological target to promote neuronal maturation in pathological hypothyroidism**  
Santanatoglia Chiara, Ciarpella Francesca, Pedrotti Giulia, Lucidi Benedetta, Rossi Eros, De Tomi Elisa, Zamfir Raluca Georgiana, Malerba Giovanni, Malpeli Giorgio, Decimo Ilaria, Bottani Emanuela
- P35** **Does prolyl hydroxylase inhibition mimic hypoxia? Hif independent effects of short term prolyl hydroxylase inhibition on cardiac Na<sup>+</sup>/H<sup>+</sup> exchanger 1 (NHE1) activity**  
Şimsek Gül, Kandilci H. Burak
- P36** **CDH4 as genetic marker for the personalization of therapy with methotrexate in juvenile idiopathic arthritis**  
Sindici Forgiarini Sofia, Lucafò Marianna, Selvestrel Davide, Pastore Serena, Taddio Andrea, Tommasini Alberto, Becker Mara, Thompson Susan, Sudman Marc, Stocco Gabriele, Decorti Iuliana
- P37** **Transient receptor potential ankyrin 1 (TRPA1) contributes to mechanical hypersensitivity in a mouse model of endometriosis**  
Titiz Mustafa, Landini Lorenzo, De Logu Francesco, Seravalli Viola, Pasquini Benedetta, Souza Monteiro de Araujo Daniel, Di Tommaso Mariarosaria, Petraglia Felice, Geppetti Pierangelo, Nassini Romina, Benemei Silvia

- P38** **Investigation of the neuroprotective effects of fractionated extracts derived from *Polycarpa aurata* and *Sidnyum elegans* in an *in vitro* model of cisplatin-induced neuropathy**  
Venturi Daniel, Toti Alessandra, Margiotta Francesco, Ferrara Valentina, Micheli Laura, Lucarini Elena, Ciampi Clara, Adamo Elisabetta, Santi Alice, D'Emmanuele di Villa Bianca Roberta, Casertano Marcello, Menna Marialuisa, Imperatore Conetta, Panza Elisabetta, Matidieri Emma, Sorrentino Raffaella, Ghelardini Carla, Di Cesare Mannelli Lorenzo
- P39** **Revealing the brain transcriptome in PCSK9 deficient mice models**  
Vingiani Giovanni Battista, Svecla Monika, Da Dalt Lorenzo, Moregola Annalisa, Norata Giuseppe Danilo
- P40** **Everolimus and glucocorticoids interaction in patients with chronic kidney disease: increased cytotoxicity, miR-331-3p expression and JNK1 pathway activation of leukocytes *in vitro***  
Zudeh Giulia, Lucafò Marianna, Bellazzo Arianna, Selvestrel Davide, Collavin Licio, Granata Simona, Losappio Vincenzo, Zaza Gianluigi, Decorti Giuliana, Stocco Gabriele

**September 7<sup>th</sup>, 2023**
**11.30-13.00**
**Area Poster Anfiteatro del Tridente**

### POSTER SESSION 3: BASIC MECHANISMS, DISEASE TARGET IDENTIFICATION AND UPDATES FROM CLINICAL RESEARCH

 Chairpersons: **Silvana Gaetani, Carla Ghelardini, Piero Olliaro**

- P1 N-palmitoyl taurine: from endogenous mediator to potential anti-inflammatory drug in colitis**  
Amico Rebecca, Iannotti Fabio, De Cicco Paola, Cutignano Adele, Ligresti Alessia, Nanì Maria Francesca, Cicia Donatella, Di Marzo Vincenzo, Borelli Francesca
- P2 Effects of a new dual adenosine A<sub>2A</sub>/A<sub>2B</sub> antagonist on oligodendroglioneogenesis and potassium conductances in cultured rat OPCs**  
Cherchi Federica, Venturini Martina, Frulloni Lucia, Santalmasi Clara, Colotta Vittoria, Catarzi Daniela, Varano Flavia, Coppi Elisabetta, Pugliese Anna Maria
- P3 ALDH1A1 mediates resistance to TKIs in melanoma cells**  
Ciccone Valerio, Simonis Vittoria, Del Gaudio Cinzia, Filippelli Arianna, Ziche Marina, Morbidelli Lucia, Donnini Sandra
- P4 TRPM8 regulates pro-inflammatory capability and metabolic reprogramming of M1 macrophages**  
Cicia Donatella, Biscu Francesca, Iannotti Fabio A., Nanì Maria Francesca, Lucariello Giuseppe, Amico Rebecca, Romano Barbara, Borrelli Francesca, Matteoli Gianluca, Capasso Raffaele, Izzo Angelo A., Pagano Ester
- P5 The effect of cannabinoids in an *in vitro* model of  $\beta$ -Amyloid neurotoxicity**  
Cullotta Chiara, Mannino Federica, Bitto Alessandra
- P6 Dissecting the effects of novel chronic pain combinational treatments on opioid receptors expression and signalling to implement a Quantitative Systems Pharmacology platform**  
Cuna Elisabetta, Bedini Andrea, Baiula Monica, Spampinato Santi Mario
- P7 Role of OPA1-mediated mitochondrial dynamics in Kupffer Cells on systemic metabolism**  
Fantini Francesca, Cecon Matteo, Diroma Alice, Moregola Annalisa, Da Dalt Lorenzo, Bonacina Fabrizia, Norata Giuseppe Danilo
- P8 Dexamethasone regulates hematopoietic stem cell proliferation in a GILZ-dependent manner**  
Febo Marta, Corrieri Raffaele, Viana De Barros Zenobio, Paglialunga Musetta, Di Scala Matilde, Bruscoli Stefano, Riccardi Carlo, Migliorati Graziella, Bereshchenko Oxana
- P9 Impairment of autophagy as a pathogenic mechanism in chemotherapy-induced neuropathy**  
Fontana-Giusti Sofia, Petrini Andrea, De Angelis Federica, Nicolini Claudia, Marinelli Sara, Maiarù Maria
- P10 Immunomodulating and anti-inflammatory effect of Cannabidiol in an experimental murine model of mastitis**  
Franco Gianluca Antonio, Gugliandolo Enrico, Crupi Rosalia, Cuzzocrea Salvatore

- P11 CTH, a novel player in thermogenesis process**  
Katsouda Antonia, Petrovic Dunja, Havaki Sophia, Pilalis Eleftherios, Chatziioannou Aristotelis, Filipovic Milos R., Papapetropoulos Andreas
- P12 Garcinol chemosensitizing effect in Triple Negative Breast cancer as adjuvant therapy to reduce doxorubicin chemo-resistance**  
Lui Maria, Gasparo Irene, Imbesi Chiara, Mannino Federica, Bitto Alessandra
- P13 Deciphering Metabolic Alterations in Chemoresistant Medulloblastoma Cells: The Influence of Fatty Acid Metabolism**  
Manfreda Lorenzo, Rampazzo Elena, Mariotto Elena, Cerqua Cristina, Marchioro Chiara, Simonato Manuela, Canton Martina, Viola Giampietro, Persano Luca, Bortolozzi Roberta
- P14 HuD regulates BDNF: how folic acid can act on this relationship?**  
Marchesi Nicoletta, Linciano Pasquale, Campagnoli Lucrezia Irene Maria, Collina Simona, Pascale Alessia
- P15 Antiproliferative and Proapoptotic Effects of Erucin, a Diet-Derived H<sub>2</sub>S Donor, on Human Melanoma Cells**  
Maresca Daniela Claudia, Conte Lia, Romano Benedetta, Ianaro Angela, Ercolano Giuseppe
- P16 Chronic cannabinoids treatment promotes synaptic alterations in *in vitro* model of organotypic slice**  
Mazzantini Costanza, Pellegrini-Giampietro Domenico E., Landucci Elisa
- P17 Modulation of miRNA expression in a model of age-related heart failure treated with sacubitril-valsartan and sacubitril/valsartan-dapagliflozin**  
Mele Elena, Telesca Marialucia, Bellocchio Gabriella, Donniacuo Maria, Riemma Maria Antonietta, Cappetta Donato, De Angelis Antonella, Urbanek Konrad, Berrino Liberato
- P18 Gender-related differences in a rat model of LPS-induced systemic inflammation and obsessive-compulsive disorder**  
Opallo Nicola, Lama Adriano, Pirozzi Claudio, Bove Maria, Annunziata Chiara, Comella Federica, Melini Stefania, Mattace Raso Giuseppina, Trabace Luigia, Meli Rosaria
- P19 Potential role of the hydroxyl carboxylic acid receptor type 2 (HCAR2) in microglia pathophysiology**  
Perrone Michela, Belardo Carmela, Ricciardi Federica, Fusco Antimo, Trotta Maria Consiglia, Infantino Rosmara, Maione Sabatino, Boccella Serena, Guida Francesca, Luongo Livio
- P20 *In vivo* study of NOD-Like receptor protein 3 (NLRP3) inflammasome as innovative target for the development of new antimigraine treatments**  
Pola Pietro, Argentieri Michela, Sturaro Chiara, Stragapede Simona, Giorgi Carlotta, Missirolì Sonia, Ruzza Chiara
- P21 Pathogenic role of casein kinase II in diet-induced metabolic inflammation and effects of its pharmacological targeting: an *in vivo* study**  
Porcietto Elisa, Aimaretti Eleonora, Ferreira Alves Gustavo, Einaudi Giacomo, Collotta Debora, Mastrocola Raffaella, Aragno Manuela, Cifani Carlo, Collino Massimo

- P22 Efficacy of the radical scavenger Tempol to reduce inflammation and oxidative stress in a murine model of atopic dermatitis**  
Repici Alberto, Ardizzone Alessio, De Gaetano Federica, Bova Valentina, Casili Giovanna, Campolo Michela, Cuzzocrea Salvatore, Esposito Emanuela
- P23 Activity-based anorexia impairs neuroplastic mechanisms in adolescent female rats: focus on Amygdala**  
Rizzi Beatrice, Mottarlini Francesca, Targa Giorgia, Fumagalli Fabio, Caffino Lucia
- P24 Metabolomics and Fluxomics analysis to study energetic metabolism in cardiometabolic diseases**  
Roda Silvia, Dadalt Lorenzo, Bonacina Fabrizia, Svecla Monika, Pedretti Silvia, Norata Giuseppe Danilo
- P25 Exploring IDO1 dynamics in human tumor cells**  
Rossini Sofia, Mondanelli Giada, Ambrosino Sara, Pallotta Maria Teresa, Panfili Eleonora, Suvieri Chiara, Volpi Claudia, Orabona Ciriana
- P26 Effects of different opioids on oxidative stress and proteasome activity in SH-SY5Y cells**  
Rullo Laura, Losapio Loredana Maria, Morosini Camilla, Lacorte Antonio, Romualdi Patrizia, Candeletti Sanzio
- P27 Evaluation of the efficacy of Honokiol, neolignan from *Magnolia officinalis* Rehder & E.H Wilson, and Claisened Hexafluoro in an *in vitro* model of microglial cellular senescence**  
Sasia Chiara, Galeotti Nicoletta
- P28 Splitting the interaction between caveolin-1 and endothelium nitric oxide synthase enhances PVAT- nitric oxide synthesis and vasodilation in AMPK KO mice**  
S-Hweij Abdmajid
- P29 Neutrophil aging exacerbates High Fat diets-induced metabolic alterations**  
Terenghi Ottavia, Baragetti Andrea, Da Dalt Lorenzo, Moregola Annalisa, Svecla Monika, Uboldi Patrizia, Mattavelli Elisa, Catapano Alberico Luigi, Norata Giuseppe Danilo
- P30 Priming of tumour-associated astrocytes as an adjuvant therapeutic target of glioblastoma**  
Trory Selina, Serres Sébastien
- P31 Induction of glioblastoma tumour spheroids: emerging model to pharmacological assessments**  
Zamora-Moran Esdras, Rodríguez-Fragoso Lourdes
- P32 Drug-drug interactions (DDIS) in a prospective cohort of cancer patients admitted to an oncology ward (traction study)**  
Mattana Alvise, De Toni Chiara, Galiano Antonella, Bolshinsky Maital, Diamanti Orejeta, Costantin Marco, Carturan Sophia, Maisano Domenico, Msaki Aichi, Basso Umberto
- P33 Effectiveness and tolerability of rimegepant as acute treatment in a patient with refractory migraine and non-responder of two anti-CGRP monoclonal antibodies and oral triptans: a case report**  
Tabasso Giorgio, Burgalassi Andrea, De Cesaris Francesco, Vigani Giulia, Mannaioni Guido, Chiarugi Alberto, Geppetti Pierangelo, Iannone Luigi Francesco

- P34 Oxygen–Ozone Therapy in Cervicobrachial Pain: A Real-Life Experience**  
Vocca Cristina, Marcianò Gianmarco, Rania Vincenzo, Casarella Alessandro, Palleria Caterina, Spaziano Giuseppe, Citraro Rita, De Sarro Giovambattista, Gallelli Luca
- P35 Suspected adverse reactions of risankizumab in the treatment of psoriasis and arthritic psoriasis: real-world data from EudraVigilance database**  
Ammendolia Ilaria, Calapai Fabrizio, Currò Mariaconcetta, Cardia Luigi, Mannucci Carmen, Esposito Emanuela, Calapai Gioacchino
- P36 Are open access FDA Adverse Event Reporting System data ready-to-use? Where we are and what we need to do**  
Giunchi Valentina, Fusaroli Michele, Raschi Emanuel, Poluzzi Elisabetta
- P37 Analyses of adverse reactions in oncology, in a Campania hospital**  
Pagliuca Mena Ilaria, Maiolo Elda, Papa Nunzia, Morelli Silvana, Mattera Iacono Valentina, Nappi Antonella, D'Apice Rossana, Spatarella Micaela
- P38 Role of Pentraxin-3 in COVID-19: focus on prognostic value by performing a systematic review and meta-analysis of mortality incidence and long-lasting inflammatory response in a cohort of healthcare workers from the A.O.U. "G. Martino" of Messina**  
Crupi Lelio, Ardizzone Alessio, Capra Anna Paola, Pantò Giuseppe, Paterniti Irene, Campolo Michela, Cuzzocrea Salvatore, Esposito Emanuela
- P39 Antibiotic-induced leaky gut syndrome promotes parkinsonism in mice: protective effects of rifaximin**  
Zilli Aurora, Del Re Alessandro, Palenca Irene, B. Franzin Silvia, Esposito Giuseppe, Seguella Luisa



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