

39° Congresso Nazionale della Società Italiana di Farmacologia



SOCIETÀ ITALIANA DI FARMACOLOGIA

RICERCA
INNOVAZIONE
SOSTENIBILITÀ
APPROPRIATEZZA
FORMAZIONE

XXII SIF SEMINAR ON PHARMACOLOGY FOR
PHD STUDENTS, FELLOWS, POST DOC AND
SPECIALIST TRAINEES



FIRENZE 19-20 NOVEMBRE 2019

PALAZZO DEI CONGRESSI

- 13.00 Participants' Registration
- 13.30 Opening Ceremony
- 14.00 Plenary Lecture: Scientific education as an opportunity for professional growth within pharmaceutical companies
Chairperson: **Giuseppe Caruso** (Rome)
Speaker: **Loredana Bergamini** (Cologno Monzese)
- 15.00 PERSONALIZED MEDICINE
- 16.30 Chairpersons: **Lucia Lisi** (Rome), **Beatrice Riva** (Novara)
- 15.00 Gender differences in five different drugs pharmacokinetics
S. Allegra (Turin), **S. De Francia**, **A.E. Sprio**, **A. D'Avolio**, **M. De Gobbi**, **A. Piga**, **M. Terzolo**, **A. De Nicolò**, **M. Antonucci**, **S. Racca**
- 15.10 A possible role of ABCG2 genetic variants in higher raltegravir cerebrospinal fluid concentrations
V. Avataneo (Turin), **J. Cusato**, **L. Marinaro**, **A. De Nicolò**, **M. Antonucci**, **G. Di Perri**, **S. Bonora**, **A. D'Avolio**, **A. Calcagno**
- 15.20 Impact of ATM rs1801516 on late skin reactions of radiotherapy for breast cancer: evidences from a cohort study and a trial sequential meta-analysis
S. Carginin (Novara), **S. Terrazzino**, **L. Deantonio**, **P.L. Canonico**, **M. Kregli**, **A. Genazzani**
- 15.30 STOP Pain Project - Opioid response in pediatric cancer patients and gene polymorphisms of cytokines pathways
G. Crescioli (Florence), **N. Lombardi**, **A. Bettiol**, **R. Bonaiuti**, **A. Mugelli**, **A. Vannacci**, **V. Maggini**
- 15.40 Vitamin D genetics and voriconazole plasma exposure: study on predictors of efficacy and toxicity cut-off values
J. Cusato (Turin), **M. Antonucci**, **S. Allegra**, **S. De Francia**, **A. Cavallaro**, **A. De Nicolò**, **G. Di Perri**, **A. D'Avolio**
- 15.50 Differentiation of patient-specific induced pluripotent stem cells in pancreatic exocrine cells to model thiopurine induced pancreatitis in pediatric patients with Crohn's disease
E. Genova (Trieste), **F. Yue**, **M. Pelin**, **F. Cavion**, **K. Sasaki**, **S. Giliani**, **M. Bramuzzo**, **A. Tommasini**, **G. Decorti**, **G. Stocco**
- 16.00 Design and clinical implementation of a pharmacogenomic based decision support service to personalize opioids treatment
R. Roncato (Aviano), **L. Miceli**, **F. Brescia**, **R. Bednarova**, **L. Dal Cin**, **G. Toffoli**, **E. Cecchin**
- 16.10 Incidence of T790M in circulating tumor DNA of NSCLC patients progressed to reversible and irreversible EGFR TKIs
G. Gianfilippo (Pisa), **M. Del Re**, **S. Crucitta**, **G. Restante**, **F. Mazzoni**, **D. Pozzessere**, **A. Chella**, **S. Valleggi**, **M. Garassino**, **M. Miccoli**, **R. Danesi**, **I. Petri**
- 16.20 Pharmacogenetic biomarkers in DNA repair pathway for prediction of recurrence and death in transplanted hepatocellular carcinoma patients
S. Mezzalana (Aviano), **E. De Mattia**, **J. Polesel**, **L. Foltran**, **M. Guardascione**, **C. Tiribelli**, **F. Lupo**, **E. Cecchin**, **G. Toffoli**
- 16.30 Break

16:40 NEUROSCIENCE

18:00 Chairpersons: **Claudia Cristiano** (Naples), **Lucia Lisi** (Rome)

16.40 Cognitive performance and related brain neuronal plasticity are differently affected by short or long term peripheral nerve injury
M. Iannotta (Naples), **V. Tirino**, **V. Desiderio**, **F. Guida**, **F. Ricciardi**, **S. Boccella**, **G. Papaccio**, **C. Belardo**, **R. Infantino**, **E. Palazzo**, **S. Maione**

16.50 Dimethyl fumarate alleviates the nitroglycerin (NTG)-induced migraine in mice
G. Casili (Messina), **M. Lanza**, **A. Filippone**, **M. Campolo**, **I. Paterniti**, **S. Cuzzocrea**, **E. Esposito**

17.00 Different expression of protein disulfide-isomerase 3 in glioma-associated microglia/macrophages: a novel therapeutic approach
M. Chiavari (Rome), **P. Navarra**, **F. Altieri**, **L. Lisi**

17.10 Involvement of glial cells in the resilient or vulnerable response to acute stress: evidence from a preclinical model
M. Valenza, **R. Facchinetti** (Rome), **M.R. Bronzuoli**, **C. Rebosio**, **G. Bonanno**, **L. Steardo**, **C. Scuderi**

17.20 Evidence for long-term PTSD-like phenotypes in trauma-exposed hyperaroused susceptible mice
S.A. Torrisi (Catania), **F. Caraci**, **G. Lavanco**, **O.M. Maurel**, **A. Castorina**, **C. Bucolo**, **F. Drago**, **S. Salomone**, **G.M. Leggio**

17.30 Characterization of the GPR17 receptor expression in human lesions of Multiple Sclerosis patients and possible clinical implications
J. Angelini (Milan), **D. Lecca**, **R. Magliozzi**, **M. P. Abbraccio**

17.40 Amniotic fluid and stem cell derived extracellular vesicles modulate pathogenic immune responses in experimental autoimmune encephalomyelitis
G. Manni (Perugia), **M. Gargaro**, **L. Pascucci**, **L. Orvietani**, **K. Sagini**, **J. Rosati**, **T. Mazza**, **A. Di Veroli**, **V.N. Talesa**, **R. Romani**, **F. Fallarino**

18.00 SIF YOUNG MEMBERS GROUP ASSEMBLY

08.30 IMMUNE SYSTEM, INFLAMMATION AND GASTROINTESTINAL DISEASES
10.00 Chairpersons: **Michele Biagioli** (Perugia), **Ester Pagano** (Naples)

08.30 Corticosteroids did not alter the release of IL-1 α after AIM2 inflammasome activation in Chronic Obstructive Pulmonary Disease (COPD)
M. Terlizzi (Salerno), **C. Colarusso**, **A. Rossi**, **A. Pinto**, **R. Sorrentino**

08.40 cDC1 spread immune tolerance to cDC2 via tryptophan metabolite
G. Scalisi (Perugia), **M. Gargaro**, **P. Puccetti**, **K. Murphy**, **F. Fallarino**

08.50 GILZ-mediated TLR2 downregulation accounts for a reduced neutrophil activity under DEX-treatment
E. Ricci (Perugia), **E. Roselletti**, **S. Ronchetti**, **C. Monari**, **M. Gentili**, **A. Vecchiarelli**, **C. Riccardi**

09.00 Interaction between Toll-like receptor 4 and serotonin signaling in a mouse model of high-fat diet
S. Cerantola (Padua), **I. Marsilio**, **V. Caputi**, **M. Bistoletti**, **A. Bertazzo**, **C. Giaroni**, **M.C. Giron**

09.10 Impact of diet-induced maternal obesity and effects of high-fat diet on bowel functions in offspring
F. Garelli (Padua), **A. Nericcio**, **L. Antonioli**, **M. Fornai**, **V. D'Antongiovanni**, **C. Pellegrini**, **M.C. Giron**, **C. Blandizzi**, **R. Colucci**

09.20 Gut microbiota, intestinal permeability and inflammation in females and males in a murine model of diet induced-obesity
A. Nericcio (Padua), **F. Garelli**, **M. Fornai**, **L. Benvenuti**, **L. Antonioli**, **C. Pellegrini**, **C. Blandizzi**, **M.C. Giron**, **R. Colucci**

09.30 Sex bias in specialized pro-resolving mediator biosynthesis affects colon inflammation
F. Troisi (Jena - D), **R. Bilancia**, **O. Parisi**, **P. Schädel**, **J.M. Wurlitzer**, **R. Rizza**, **J. Gerstmeier**, **G. Guerra**, **A. Ialenti**, **A. Rossi**, **L. Sautebin**, **F. Borrelli**, **C.N. Serhan**, **O. Werz**, **S. Pace**

09.40 Is there a risk of lymphoma associated with anti-tumor necrosis factor drugs in patients with inflammatory bowel disease? A systematic review of observational studies
S. Ferraro (Pisa), **L. Leonardi**, **I. Convertino**, **C. Blandizzi**, **M. Tuccori**

10.00 CARDIOVASCULAR DISEASES AND REAL WORLD EVIDENCE

11.00 Chairpersons: **Jacopo Angelini** (Milan), **Lucia Lisi** (Rome)

10.00 Low-dose aspirin protects against elevated blood pressure and cardiac fibrosis in mice

I. D'Agostino (Chieti), **S. Tacconelli**, **A. Bruno**, **H. Xiaoyue**, **Y. Xie**, **J. Hwa**, **P. Patrignani**

10.10 Protein Convertase Subtilisin/Ketin Type 9 inhibition and cardiovascular outcomes: a meta-analysis of randomized controlled trials

F. Galimberti (Milan), **M. Casula**, **E. Olmastroni**, **A. Pirillo**, **E. Tragni**, **A.L. Catapano**

10.20 Chronic kidney disease management in general practice: a focus on inappropriate drugs prescriptions in Sicily

M.A. Barbieri (Messina), **R. Mandraffino**, **M. Rottura**, **G. Cicala**, **D. Santoro**, **S. Marino**, **N. Irrera**, **F. Squadrito**, **V. Arcoraci**

10.30 Clinical and pharmacological characteristics of patients hospitalized for bleeding: real world evidences from a big general hospital

A. Pani (Milan), **F. Colombo**, **F. Agnelli**, **A. Romandini**, **M. Senatore**, **D. Pastori**, **F. Scaglione**

10.40 Safety and efficacy of ferric Carboxymaltose in hepatopatic patients: a preliminary analysis in a real world setting

M. Senatore (Milan), **D. Pastori**, **A. Pani**

11.00 Plenary Lecture: Cancer immunotherapy: achievements, pitfalls, and opportunities

12.00 Chairpersons: **Michele Biagioli** (Perugia), **Alessandro Mugelli** (Florence)
Speaker: **Michele Maio** (Siena)



12.00 MISCELLANEOUS AND TOXICOLOGY

13.15 Chairpersons: [Gloria Ravegnini](#) (Bologna), [Simona Federica Spampinato](#) (Catania)

12.00 Cabazitaxel induced apoptotic cell death in *in vitro* experimental model of adrenocortical carcinoma cells

[A. Abate](#) (Brescia), [L.P. Palma Lopez](#), [M. Fragni](#), [E. Rossini](#), [D. Cosentini](#), [G.A.M. Tiberio](#), [P. Poliani](#), [M. Memo](#), [M. Terzolo](#), [A. Berruti](#), [S. Sigala](#)

12.10 Influence of coil power on toxic aldehydes generation and toxicological outcomes in a model of electronic cigarette exposure

[S. Cirillo](#) (Bologna), [F. Vivarelli](#), [M. Paolini](#), [C. Fimognari](#), [E. Turrini](#), [V. Cardenia](#), [R. J. Elias](#), [D. Canistro](#)

12.20 The neurotoxicant PCB-95, by increasing the neuronal transcriptional repressor REST, down-regulates caspase-8 and increases Ripk1, Ripk3 and MLKL expression determining necroptotic neuronal death

[N. Guida](#) (Naples), [G. Laudati](#), [A. Serani](#), [L. Mascolo](#), [P. Molinaro](#), [G. Di Renzo](#), [L.M.T. Canzoniero](#), [L. Formisano](#)

12.30 Oral bisphenol A exposure worsens liver immunometabolic and mitochondrial dysfunction in high fat diet-induced obese mice

[C. Pirozzi](#) (Naples), [A. Lama](#), [C. Annunziata](#), [C. Ruiz Fernandez](#), [G. Cavaliere](#), [A. Monnolo](#), [M.C. Ferrante](#), [M.P. Mollica](#), [G. Mattace Raso](#), [R. Meli](#)

12.40 Sex differences in $\beta 2$ adrenoceptor-mediated responses in mouse airways

[I. Cerqua](#) (Naples), [A. Rossi](#), [M.A. Riemma](#), [G. Cirino](#), [F. Roviezzo](#)

12.50 Computational systems pharmacology approach: identification of novel biomarkers and pharmacological targets for diagnosis and treatment of diabetic retinopathy

[C.B.M. Platania](#) (Catania), [F. Conti](#), [R. Maisto](#), [M.C. Trotta](#), [C. Gesualdo](#), [S. Rossi](#), [M. D'Amico](#), [G.M. Leggio](#), [S. Salomone](#), [F. Drago](#), [C. Bucolo](#)

13.00 A flavonoid-rich extract of bergamot juice protects the gastrointestinal tract in high-fat diet-fed mice and improves insulin resistance

[G.E. Lombardo](#) (Messina), [E. Cremonini](#), [P.I. Oteiza](#), [M. Navarra](#)

13.15 Conclusions



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