



**XIX SIF SEMINAR
ON PHARMACOLOGY
AND SIMILAR SCIENCES
FOR PHD STUDENTS,
FELLOWS, POST DOC AND
SPECIALIST TRAINEES**

**Palacongressi
di Rimini
Via della Fiera 23
20-22 September,
2016**

Programme



SOCIETÀ ITALIANA
DI FARMACOLOGIA

XIX SIF SEMINAR ON PHARMACOLOGY AND SIMILAR SCIENCES FOR PHD STUDENTS, FELLOWS, POST DOC AND SPECIALIST TRAINEES

19° Simposio SIF
Dottorandi, Assegnisti di
Ricerca, Postdottorandi e
Specializzandi in Farmacologia
e Scienze Affini

Rimini, Italy
20-22 September, 2016

PROGRAMME

Con il patrocinio di



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
DIPARTIMENTO DI SCIENZE PER LA QUALITÀ DELLA VITA



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
CAMPUS DI RIMINI



RiminiFiera
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DI RIMINI**
CONVENTION
BUREAU



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Local Organizing Secretariat

Alma Mater Studiorum

University of Bologna

Rimini Campus, Ufficio di Presidenza,
Direzione e Rapporti Istituzionali

GENERAL INFORMATION

SEMINAR LOCATION

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GUIDELINES FOR ORAL COMMUNICATIONS SESSIONS

The official language of the Seminar is English.

Speakers are strongly encouraged to an absolute timing respect for their presentation (12 minutes for presentation, 3 minutes for discussion).

Presentations must absolutely finish at the scheduled time, so Chairpersons are exhorted to respect also the session starting time.

GUIDELINES FOR CHAIRPERSONS

Chairpersons are strongly recommended to be present at the conference room at least 10 minutes before session start and, especially, to guarantee the respect of session and each presentation timing.

GUIDELINES FOR POSTER SESSIONS

Guidelines for Poster Sessions
Posters should be in English and dimensions should not exceed 190 cm in height and 90 cm in width. All poster boards will be pre-numbered and Authors are needed to be certain to place their posters on the correct board. Posters must be dismantled at the end of the same presentation session.

The Presenting author is required to be available for discussion during the poster session assigned (see details below):

Poster Presentations Session I:

September 20th (numbers P1-P58)
POSTER SET-UP: 9.00
POSTER DISPLAY HOURS: 9.00-14.00
POSTER AUTHOR DISCUSSION: 14:00-15.30
POSTER DISMANTLE: 15.30

Poster Presentations Session II:

September 21th (numbers P59-P116)
POSTER SET-UP: 9.00
POSTER DISPLAY HOURS: 9.00-14.00
POSTER AUTHOR DISCUSSION: 14:00-15.30
POSTER DISMANTLE: 15.30

SIF AWARDS

The best posters and oral communications will receive an award. The Ugo Basile srl will also kindly provide an award (300 euro or a behavioral equipment) for the best oral presentation that include experiments with behavioral tests.

The awards will be given during the closing ceremony on September 22 (12.00-13.00).

TUESDAY 20 SEPTEMBER

Sala Arengo

8.00-9.00 **PARTICIPANTS REGISTRATION**

9.00-10.00 **OPENING CEREMONY**

10.00-13.00 **ORAL COMMUNICATIONS
MSD GRANTS SESSION**

CHAIRPERSONS: G. Cantelli Forti (*Bologna*), N. Luppi (*Rome*)

10.00 **Possible dysregulation of the endocannabinoid system: study in lymphocytes of patients with Dravet syndrome**
V. Satta (*Madrid, Spain, Cagliari*), M. Rubio, S. Valdeolivas, F. Piscitelli, R. Verde, E. Barroso, M. Montolio, L. M. Aras, V. Di Marzo, J. Fernández-Ruiz and O. Sagredo

10.15 **Increased susceptibility to the rewarding effect of Δ^9 -Tetrahydrocannabinol (THC) after chronic nicotine exposure through electronic or standard cigarettes**
L. Ponzoni (*Milan*), M. Moretti, G. Cannazza, M. Zoli, M. Sala, C. Gotti, D. Braidà

10.30 **Contribution of KRAS mutations and c.2369C > T (p.T790M) EGFR to acquired resistance to EGFR-TKIs in EGFR mutant NSCLC: a study on circulating tumor DNA**
M. Del Re (*Pisa*), M. Tiseo, P. Bordi, I. Petrini, M. Lucchesi, E. Vasile, V. Citi, S. Gori, A. Falcone, D. Amoroso, A. Chella, F. Cappuzzo, A. Ardizzone, A. Scarpa, R. Danesi

10.45 **Glucocorticoid new pro-atherogenic activity mediated by cell cholesterol accumulation: study on molecular mechanisms and potential counteracting strategies**
D. Greco (*Parma*), C. Ferrari, M. P. Adorni, F. Zimetti, E. Raschi, D. Privitera, R. Gatti, E. Favari, F. Bernini, N. Ronda

11.00 **Neuropeptide S reduces mouse aggressiveness in the resident/intruder test through selective activation of the neuropeptide S receptor**
C. Ruzza (*Ferrara*), L. Asth, R. Guerrini, C. Trapella, E. C. Gavioli, and G. Calo

11.15 **Modulation of the immune response by hydrogen sulfide in a model of colitis-associated cancer**
P. De Cicco (*Naples*), E. Panza, G. Ercolano, C. Armogida, K. Maloy, G. Cirino, A. Ianaro

Sala Arengo

- 11.30 **Regulation of KLF2 and KLF4 by Syndecan-4: a novel signaling pathway to target atherosclerosis**
F. Corti (*New Haven, USA*), N. Baeyens, M. J. Mulligan-Kehoeb, M. A. Schwartz and M. Simons
-
- 11.45 **Extracellular Nicotinamide phosphoribosyltransferase (eNAMPT) is released from tumours and is an active player in tumour microenvironment**
A. A. Grolla (*Novara*), S. Torretta, I. Gnemmi, C. Travelli, G. Orsomando, P. L. Canonico, A. A. Genazzani
-
- 12.00 **Regulation of striatopallidal GABA neurotransmission by striatal A2A, D2 and mGlu5 receptor interactions: implications in Parkinson's disease**
S. Beggiato (*Ferrara*), M. C. Tomasini, A. C. Borelli, D. O. Borroto-Escuela, K. Fuxe, T. Antonelli, S. Tanganelli, L. Ferraro
-

Sala del Ponte

- 10.00-13.00 **ORAL COMMUNICATIONS
 INFLAMMATION I SESSION**
 CHAIRPERSONS: M. Biagioli (*Perugia*), C. Pellegrini (*Pisa*), V. Vellecco (*Naples*)
-
- 10.00 **Adenosine signalling mediates the anti-inflammatory effect of nimesulide, *in vitro***
E. Caiazza (*Naples*), B. Steckel, S. Paccosi, A. Lapucci, A. Parenti, J. Schrader, A. Ialenti and C. Cicala
-
- 10.15 **The role of NLRP3 inflammasome as pharmacological target in in vivo models of diabetes and related myocardial ischemic injury**
F. Chiazza (*Turin*), R. Mastrocola, E. Benetti, A. Couturier-Maillard, D. Nigro, M. Cocco, J. C. Cutrin, M. Bertinaria, C. Penna, P. Pagliaro, B. Ryffel, C. Thiemermann, M. Aragno, R. Fantozzi, M. Collino
-
- 10.30 **Investigation of interaction of receptor-type protein tyrosine phosphatases of the R3 subgroup with VE-Cadherin in live cells using bimolecular fluorescence complementation (BiFC) assays**
O. Dorofejeva (*London, UK*), I. Lotia and A. J. Barr
-
- 10.45 **Effect of Glucocorticoid-Induced Leucine Zipper (GILZ) on B cells**
D. Sorcini (*Perugia*), C. Cappelletti, V. Bardelli, O. Bereshchenko, T. Frammartino, M. Cimino, S. Bruscoli and C. Riccardi
-

Sala del Ponte

- 11.00 **Sex modulation of pro-inflammatory lipid mediator biosynthesis during acute inflammation**
S. Pace (Naples, Jena, Germany), A. Rossi, V. Krauth, C. Pergola, F. Troisi, O. Rådmark, O. Werz and L. Sautebin
- 11.15 **Functional and morphological changes of human neutrophils after treatment with dopaminergic agents**
M. Pinoli (Varese), E. Rasini, M. Legnaro, A. Luini, M. De Eguileor, L. Pulze, T. Congiu, M. Cosentino and F. Marino
- 11.30 **Vietnamese traditional medicine: anti-rheumatoid arthritis activity of extract from the tree *Artocarpus tonkinensis***
S. Adorisio (Perugia), I. Muscari, A. Rossetto, C. Riccardi, D. V. Delfino
- 11.45 **Antioxidant and anti-inflammatory effect of a flavonoids-rich extract from *Citrus bergamia* juices in both cell-free and cell-based assays**
S. Cirmi (Messina), N. Ferlazzo, M. Currò, G. Visalli, C. Gangemi, A. Di Pietro, D. Caccamo, R. Ientile, M. Navarra
- 12.00 **Butyrate as pro-resolving factor reduces inflammation and induces chemotaxis via GPR43 receptor in murine chondrocyte cell line**
C. Pirozzi (Naples), A. Lama, F. Di Guida, A. Calignano, G. Mattace Raso, O. Gualillo and R. Meli

Sala del Porto

- 10.00-12.00 **ORAL COMMUNICATIONS**
GASTROINTESTINAL SESSION
 CHAIRPERSONS: M. Milanese (Genoa), G. Pizzino (Messina), C. Travelli (Novara)
- 10.00 **N-(1-carbamoyl-2-phenylethyl) butyramide (FBA), a butyrate-releasing derivative, reduces inflammation and restores gut microbiota alteration improving antibiotic-induced intestinal injury in mice**
A. Lama (Naples), F. Di Guida, C. Pirozzi, M. P. Mollica, L. Coretti, F. Lembo, A. Calignano, R. Meli and G. Mattace Raso
- 10.15 **Cannabidivarin is an orally-active intestinal anti-inflammatory non-psyotropic phytocannabinoid**
E. Pagano (Naples), B. Romano, R. Capasso, M. d'Armiento, F. Piscitelli, V. Di Marzo, A. A. Izzo, F. Borrelli

Sala del Porto

- 10.30 **Development of ex vivo models for traslational research in organic and fuctional intestinal disorders**
G. Dothel (*Bologna*), M. R. Spirito, C. Bernardini, A. Zannoni, M. Forni, F. De Ponti
-
- 10.45 **Integrating miRNA and gene expression profiling analysis revealed regulatory networks in GIST**
G. Ravegnini (*Bologna*), M. Nannini, A. Astolfi, V. Simeon, M. Urbini, G. Biasco, M. Pantaleo, S. Angelini, P. Hrelia
-
- 11.00 **GILZ mediates the inhibition of migration of neutrophil granulocytes induced by glucocorticoids by interaction with PU.1 and consequent up-regulation of Annexin I in a mouse model of peritonitis**
E. Ricci (*Perugia*), M. Gentili, E. Pericolini, E. Gabrielli, A. Vecchiarelli, L. Cari, G. Nocentini, S. Ronchetti, C. Riccardi
-
- 11.15 **Nicotinic receptors and spleen implication in TNBS-induced colitis in mice**
A. Grandi (*Parma*), S. Bertoni, V. Vivo, L. Flammini, I. Zini, V. Ballabeni, E. Barocelli
-
- 11.30 **Adelmidrol, a palmitoylethanolamide analogue, as a new pharmacological treatment for the management of inflammatory bowel disease**
M. Cordaro (*Messina*), D. Impellizzeri, E. Gugliandolo, R. Siracusa, R. Crupi, E. Esposito and S. Cuzzocrea
-
- 11.45 **Role of TRPV4 (Transient Receptor Potential Vanniloid type 4) Channel in colorectal cancer**
B. Romano (*Milan, Naples*), L. Petti, F. Ungaro, A. A. Izzo, S. Danese, S. Vetrano
-
- 13.00-14.00 **Lunch**

14.00-15.30 POSTER SESSION I

- P1** **Phase III study of regorafenib versus placebo as maintenance therapy in RAS wild type metastatic colorectal cancer (RAVELLO trial)**
F. Auricchio (*Naples*), E. Martinelli, T. Troiani, F. Venturini, A. Cervantes, J. Y. Douillard, A. Falcone, G. Folprecht, C. Köhne, J. Taïeb, J. Tabernero, C. Cardone, V. Sforza, G. Martini, S. Napolitano, A. Capuano, F. Ciardiello
-
- P2** **Resistance to EGFR-TKI induces cancer stem cell enrichment in tumorspheres of NSCLC cells**
F. Costanza (*Siena*), S. Donnini, M. Ziche
-
- P3** **ATB-346 induces apoptosis of human melanoma cells and inhibits melanoma development *in vivo***
G. Ercolano (*Naples*), C. Armogida, E. Panza, P. De Cicco, G. Cirino, A. Ianaro
-
- P4** ***Trichoderma virens* strain GV41 as a possible source of new anticancer agents: a preliminary screening in colorectal cancer cells**
O. A. Parisi (*Naples*), S. Finizio, B. Romano, F. Lacatena, F. Vinale, S. L. Woo, F. Borrelli
-
- P5** **Detection of ALK and KRAS mutations in circulating tumor DNA associated with drug resistance in patients with advanced ALK+ NSCLC**
F. Belcari (*Pisa*), P. Bordi, E. Rofi, M. Del Re, M. Tiseo, R. Danesi
-
- P6** **The detection of AR-V7 in plasma-derived exosomal RNA strongly predicts resistance to hormonal therapy in metastatic prostate cancer patients**
S. Crucitta (*Pisa*), M. Del Re, E. Biasco, L. Derosa, E. Rofi, L. Galli, A. Falcone, G. W. Jenster, R. H. N. van Schaik, R. Danesi
-
- P7** **Pharmacokinetic analysis of weekly paclitaxel from patients enrolled in a genotype-driven phase I study**
L. Giodini (*Aviano*), E. Marangon, B. Posocco, M. Buzzo, S. Scalone, R. Sorio, G. Toffoli
-
- P8** **Identification of five circulating microRNAs with high diagnostic values in cutaneous melanoma**
B. Polini (*Pisa*), S. Carpi, B. Pardini, A. Naccarati, A. Romanini, M. C. Breschi, S. Fogli, P. Nieri
-

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- P9** **An alternative analytical method for the therapeutic drug monitoring of irinotecan: toward personalized medicine**
B. Posocco (*Aviano*), E. Calandra, E. Marangon, S. Crotti, L. Giodini, P. Traldi, G. Toffoli
-
- P10** **Anti-tumor efficacy of doxorubicin nanosponges on breast cancer models *in vitro* and *in vivo***
B. Ferrara (*Turin*), R. Cavalli, C. L. Gigliotti, N. Clemente, M. Argenziano, E. Boggio, A. Chiocchetti, F. Trotta, S. Pizzimenti, G. Barrera, R. Boldorini, R. Fantozzi, U. Dianzani, C. Dianzani
-
- P11** **Efficacy of the Eph-ephrin system antagonism in tumor angiogenesis and growth: *in vitro* and *in vivo* evidence**
C. Giorgio (*Parma*), R. Castelli, F. Vacondio, C. Festuccia, G. L. Gravina, P. Chiodelli, M. Rusnati, A. Lodola, E. Barocelli, and M. Tognolini
-
- P12** **Lack of glucocorticoid-induced leucine zipper (GILZ) deregulates B-cell survival and leads in B-cell lymphocytosis in mice**
M. Biagioli (*Perugia*), D. Sorcini, S. Bruscoli, O. Bereshchenko, T. Frammartino, M. Cimino, and C. Riccardi
-
- P13** **The therapeutic effect of new Src inhibitor in colon cancer cells and potential role of mir494**
I. Muscari (*Perugia*), S. Adoriso, A. Rossetto, M. Botta, C. Riccardi, A. M. Liberati, D. V. Delfino
-
- P14** **Deregulation of ABC transporters in a CML resistant cell model**
G. Sammarini (*Bologna*), G. Ravegnini, P. Hrelia, S. Angelini
-
- P15** **Inhibition of platelet-tumor cell cross-talk by antiplatelet agents prevents the induction of a mesenchymal-like phenotype in HT29 human colon carcinoma cell**
R. Grande (*Chieti*), P. Guillem-Llobat, M. Dovizio, A. Bruno, C. Patrono, and P. Patrignani
-
- P16** **Antiproliferative activity of PDE5 inhibitors vehicled by nanovesicles in thyroid cancer cells**
G. E. Lombardo (*Catanzaro*), M. Celano, V. Maggisano, M. C. Cristiano, R. F. De Rose, S. M. Lepore, A. Vero, M. Di Francesco, D. Cosco, S. Bulotta, D. Paolino, D. Russo
-
- P17** **Analytical aspects of therapeutic drug monitoring: the case of sunitinib and its geometric isomerism**
M. Buzzo (*Aviano*), E. Marangon, L. Giodini, B. Posocco, G. Toffoli
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- P18** **Quantitative analysis of TGF- β /SMAD signaling dynamics in a microfluidic co-culture system**
M. Vetralla (Padua), L. Vitiello, C. Bolego, N. Elvassore
-
- P19** **Monitoring KRAS mutations from plasma circulating free tumor DNA as non-invasive approach to evaluate pancreatic cancer dynamics**
E. Rofi (Pisa), C. Vivaldi, M. Del Re, L. Fornaro, E. Vasile, A. Falcone, R. Danesi
-
- P20** **Case report: pharmacogenetic and pharmacokinetic analyses to optimise clomipiramine dosing**
F. F. Bernardi (Naples), S. Antoniazzi, M. Cigliobianco, S. Cheli, D. Cattaneo, A. Tatulli, C. A. Altamura, R. A. Paoli, E. Clementi, F. S. Falvella, F. Rossi, A. Capuano
-
- P21** **Novel genes on rat chromosome 10 are linked to body fat mass, preadipocyte number and adipocyte size**
L. Turchetti (Leipzig, Germany, Camerino), A. Weingarten, K. Krohn, I. Klötting, M. Kern, P. Kovacs, M. Stumvoll, M. Blüher, N. Klötting, C. Cifani
-
- P22** **Pharmacology of Nav1.4 sodium channel mutations to address personalized medicine in non-dystrophic myotonias**
A. Farinato (Bari), C. Altamura, P. Imbrici, L. Maggi, R. Mantegazza, M. Filosto, G. Ricci, G. Siciliano, M. Lo Monaco, D. Conte Camerino, J-F. Desaphy
-
- P23** **A physiological approach to evaluate the antioxidant capacity of the different matrixes of grapefruit**
S. Molino (Pavia), M. Verri, M. Dossena, S. Pérez-Burillo, D. Buonocore, J.Á. Rufián-Henares
-
- P24** **NAD⁺ dependent SIRT1 deacetylase and acute inflammatory pain: the crucial role of oxidative stress modulation**
S. Ilari (Lugano, Switzerland, Rome), C. Morabito, F. Lauro, L. A. Giancotti, M. Gliozzi, M. Tafani, M. Fini, M. Russo, V. Mollace, D. Salvemini, C. Muscoli
-
- P25** **Characterization of a possibile interaction between CCR5 and eNAMPTS.**
S. Torretta (Novara), G. Colombo, C. Travelli, A. A. Grolla, D. Lim, A. A. Genazzani
-

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- P26** **Graphene and graphene oxide induce mitochondrial damages after membrane interaction of skin keratinocytes**
L. Fusco (*Trieste*), M. Pelin, S. Sosa, E. Vázquez, M. Prato, A. Tubaro
-
- P27** **Characterization of non-coding RNA as molecular markers during glucocorticoid treatment in children with inflammatory bowel disease**
M. Lucafò (*Trieste*), A. Di Silvestre, S. Martellosi, S. Naviglio, A. Ventura, G. Stocco, G. Decorti, S. De Iudicibus
-
- P28** **Salvinorin A inhibits leukotriene biosynthesis in experimental models of acute inflammation**
F. Troisi (*Jena, Germany*), A. Rossi, S. Pace, R. Bilancia, G. Guerra, J. K. Zjawiony, O. Werz, A. A. Izzo and R. Capasso
-
- P29** **Selective CB2 receptor activation drives Th0 differentiation towards a Th2 and T regulatory phenotype**
M. Gentili (*Perugia*), E. Ricci, V. De Novellis, S. Ronchetti, S. Maione, F. Guida, C. Riccardi, F. Rossi
-
- P30** **Indoleamine 2,3-dioxygenase 1 (IDO1): relationship between functions and intracellular localization**
A. Iacono (*Perugia*), F. Grassi, A. Pompa, F. De Marchis, M. Bellucci, G. Mondanelli, U. Grohmann and M. T. Pallotta
-
- P31** **Evaluation of the anti-inflammatory activity of raisins (*Vitis vinifera* L.) in human gastric epithelial cells: a comparative study**
M. Fumagalli (*Milan*), C. Di Lorenzo, E. Sangiovanni, E. Colombo, G. Frigerio, F. Colombo, L. De Sousa, A. Altindişli, P. Restani, M. Dell'Agli
-
- P32** **Ultramicronized palmitoylethanolamide (PEA-um®) in the treatment of idiopathic pulmonary fibrosis**
R. Fusco (*Messina*), R. Di Paola, D. Impellizzeri, M. Cordaro, R. Siracusa, R. Crupi, E. Esposito, S. Cuzzocrea
-
- P33** **Activation of adenosine receptor by PDRN improves skin remodelling in an experimental model of psoriasis-like dermatitis**
N. Irrera (*Messina*), A. Bitto, M. Vaccaro, G. Pizzino, G. Pallio, F. Squadrito and D. Altavilla
-
- P34** **PCSK9 and inflammation: *in vitro* study on THP-1 derived macrophages**
C. Ricci (*Milan*), A. Corsini and N. Ferri
-

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- P35** **Effects of 2-Pentadecyl-2-oxazoline (PEA-OXA), the oxazoline of PEA, in an experimental model of carrageenan-induced hindpaw inflammation: involvement of PPAR- α ?**
R. Siracusa (Messina), D. Impellizzeri, R. Crupi, M. Cordaro, E. Esposito, S. Cuzzocrea
-
- P36** ***In vivo* expansion of regulatory T cells by G1TR triggering**
L. Cari (Perugia), P. Montanucci, G. Basta, E. Ricci, S. Ronchetti, G. Nocentini, R. Calafiore, C. Riccardi
-
- P37** **Effects of histaminergic H4R ligands in an animal model of lung fibrosis**
M. Durante (Florence), L. Lucarini, C. Lanzi, A. Pini, A. C. Rosa, H. Stark, E. Masini
-
- P38** **Study of redox signaling in vascular homeostasis: development of protective strategies for lymphatic vascular diseases**
V. Ciccone (Siena), M. Ziche, L. Morbidelli
-
- P39** ***In vitro* and *in silico* analysis of the vascular effects of asymmetrical N,N-bis(alkanol)amine aryl esters, novel multidrug-resistance reverting agents**
M. Durante (Siena), F. Fusi, O. Spiga, A. Trezza, M. Frosini, E. Floriddia, E. Teodori, S. Dei, S. Saponara
-
- P40** **Inhibition of ALDH2 activity impairs angiogenesis**
G. Nannelli (Siena), E. Terzuoli, S. Donnini and M. Ziche
-
- P41** **β 3 adrenergic receptor activation relaxes human corpus cavernosum via cGMP/ hydrogen sulfide-dependent mechanism**
T. Tramontano (Naples), R. d'Emmanuele di Villa Bianca, E. Mitidieri, F. Fusco, E. Donnarumma, C. Imbimbo, V. Mirone, G. Cirino, R. Sorrentino
-
- P42** **Effects of the aldose-reductase inhibitor 5(6)-(benzo[d]thiazol-2-ylmethoxy)benzofuroxane on long cardiac QT interval induced by perfusion of isolated heart with a high glucose concentration**
M. C. Trotta (Naples), B. Ferraro, N. Di Carluccio, C. La Motta, F. Rossi, C. Di Filippo, M. D'Amico
-
- P43** **Cardiac action of the first G protein biased small molecule apelin agonist**
C. Read (Cambridge, UK), C. Fitzpatrick, P. Yang, R. E. Kuc, J. J. Maguire, R. Glen, R. Foster, A. P. Davenport
-

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- P44** **Potential Off-Target Activity of Proteinase-Activated Receptor Peptidases**
G. M. Sloan (*Glasgow, UK*), H. Van De Langemheen, G. McConnell, R. Plevin, R. Liskamp, M. Cunningham
-
- P45** **α -Melanocyte stimulating hormone inhibits fetal vascular smooth muscle cell phenotypic switching**
V. Alfieri (*Milan*), F. Saporiti, L. Piacentini, E. Bono, M. Chiesa, M. Camera, G. I. Colombo
-
- P46** **The absence of PCSK9 impairs the response of Smooth Muscle Cells to PDGF-BB stimulation**
S. Marchianò (*Milan*), A. Corsini, A.L. Catapano and N. Ferri
-
- P47** **Different impact of alcohol consumption on the reverse cholesterol transport *in vivo***
S. Battista (*Parma*), D. Greco, L. Mele, A. Piemontese, A. Poli, F. Bernini, I. Zanotti
-
- P48** **Improvement of cell cholesterol trafficking-related lipoprotein function in rheumatoid arthritis patients treated with tocilizumab**
C. Ferrari (*Parma*), N. Ronda, D. Greco, M. P. Adorni, F. Zimetti, M. O. Borghi, F. Bernini, P. L. Meroni
-
- P49** **IDO1-targeting intervention by proteasome inhibition in autoimmune diabetes**
E. Albinì (*Perugia*), G. Mondanelli, C. Volpi, M. T. Pallotta, P. Puccetti, U. Grohmann and C. Orabona
-
- P50** **Lycopene Extracted from Sicilian Tomatoes Reduces Atherosclerosis Development in ApoE KO Mice Fed with a Western High Fat Diet**
G. Pallio (*Messina*), A. Bitto, G. Pizzino, F. Galfo, N. Irrera, F. Squadrito and D. Altavilla
-
- P51** **From metabolic health to metabolic illness: sex-specific role of hepatic ER α**
F. Lolli (*Milan*), S. Della Torre, R. Fontana and A. Maggi
-
- P52** **Binge-like eating elicited by cyclic food restriction and frustrative nonreward varies during the ovarian cycle in intact rats, is suppressed by estradiol in ovariectomized rats, and is preceded by increased pERK expression in the PVN, CeA, and BNST**
M. E. Giusepponi (*Camerino*), M. V. Micioni Di Bonaventura, T. A. Lutz, A. Romano, M. Pucci, N. Geary, L. Asarian, C. Cifani
-

-
- P53** **DSS-induced colitis in mice: optimization and investigation of gender differences**
I. Zini (*Parma*), A. Grandi, V. Vivo, L. Flammini, V. Ballabeni, E. Barocelli, S. Bertoni
-
- P54** **New UPLC-MS/MS method using 96-well extraction plate for the simultaneous quantification of 16 antiretroviral drugs in human plasma and evaluation of drugs pharmacokinetic interaction**
A. Ariaudo (*Turin*), M. Simiele, F. Favata, L. Paglietti, G. Di Perri, A. D'Avolio
-
- P55** **Development and validation of an UHPLC-PDA method for simultaneous quantification of eight antibiotics in human plasma using 96-well μ -elution plates**
G. Fatiguso (*Turin*), F. Favata, M. T. Terzulli, L. Baietto, S. Allegra, G. Di Perri, A. D'Avolio
-
- P56** **Involvement of ATP depletion and mitochondrial depolarization in the cytotoxicity of the algal toxins azaspiracids toward hepatocytes**
M. Pelin (*Trieste*), S. Sosa, C. Florio, J. Kilcoyne, C. Nulty, P. Hess and A. Tubaro
-
- P57** **Polydeoxyribonucleotide, an adenosine-A2A receptor agonist, preserves blood testis barrier from cadmium-induced injury via pERK 1/2/TGF- β 3 signaling pathway**
M. Rinaldi (*Messina*), L. Minutoli, N. Irrera, H. Marini, F. Squadrito, D. Altavilla
-
- P58** **Aminoglycoside Kinetic Profiles Comparison During Direct Hemoperfusion by Extracorporeal Adsorption Unit (Lixelle S-35 Cartridge)**
M. Sartori (*Padua, Vicenza*), A. Casas, S. De Rosa, M. Zancato and C. Ronco
-

Sala Arengo

- 16.00-17.30 **ORAL COMMUNICATIONS
CARDIOVASCULAR SESSION**
CHAIRPERSONS: F. Corti (*New Haven, USA*), C. Read (*Cambridge, UK*),
G. M. Sloan (*Glasgow, UK*)
-
- 16.00 **The energy metabolism of cerebral mitochondria of hypertensive rats to study the action of drugs on this major risk factor for the prevention of ischaemic stroke**
F. Ferrari (*Pavia*), A. Gorini, R. F. Villa
-
- 16.15 **Annexin A1 induces a pro-angiogenic macrophage phenotype to promote myocardial repair**
B. Ferraro (*Munich, Germany, Naples*), G. Leoni, D. Bongiovanni, M. Hristov, M. Horckmans, R. T. A. Megens, S. Steffens, C. Weber, C. Kupatt, M. D'Amico, O. Soehnlein
-
- 16.30 **Linagliptin modulates vascular tone through L-Arginine/eNOS pathway**
V. Vellecco (*Naples*), A. Gargiulo, E. Mitidieri, V. Brancaleone, M. Bucci and G. Cirino
-
- 16.45 **Mitral valve endothelial cells secrete osteoprotegerin during endothelial mesenchymal transition**
P. Songia (*Milan*), E. Branchetti, A. Parolari, V. Myasoedova, F. Alamanni, E. Tremoli, M. Camera and P. Poggio
-
- 17.00 **Sex-dependent properties of male and female human umbilical vein endothelial cells (HUVECs): focus on eNOS**
C. Vanetti (*Milan*), F. Bifari, L. M. Vicentini and M. G. Cattaneo

Sala del Ponte

- 16.00-17.30 **ORAL COMMUNICATIONS
PHARMACOVIGILANCE SESSION**
CHAIRPERSONS: M. Del Re (*Pisa*), S. Pace (*Naples*)
-
- 16.00 **Suspected adverse reactions to contrast media in Campania Region (Italy): results from 14 years of postmarketing surveillance**
A. Mascolo (*Naples*), C. Rossi, M. Sessa, S. Fiorentino, E. Grassi, C. Scavone, A. Reginelli, A. Rotondo, L. Sportiello
-

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- 16.15 **Campania Region (Italy) spontaneous reporting system and preventability assessment through a case-by-case approach: a pilot study on psychotropic drugs**
M. Sessa (Naples), A. Mascolo, C. Scavone, D. Cimmaruta, C. Rafaniello, L. Sportiello, M. G. Sullo, A. Capuano, F. Rossi
-
- 16.30 **Behavioural teratogenicity of psychotropic drugs: results from the Francophone mother-baby units database**
A. Girardi (Bologna, Bordeaux, France), E. Pamburn, M. Bales, H. Verdoux, A. L. Sutter-Dallay
-
- 16.45 **A three year Cosmetovigilance experience in Italy**
I. Caputo (Naples), M. Camera, F. Romano, E. Fabbri, P. D'Alessandro, L. Sautebin and M. Marletta
-
- 17.00 **Biosimilars: clinical-pharmacological considerations**
J. Angelini (Milan), F. Scaglione
-

Sala Arengo

- 17.30-18.30 **PLENARY LECTURE**
INTRODUCED BY: Monica Di Luca (Milan)
Meet The Editor
A. Ahluwalia (London, UK), E. Clementi (Milan)
-

WEDNESDAY 21 SEPTEMBER

Sala Arengo

- 9.00-11.00 **ORAL COMMUNICATIONS
PHARMACOGENETIC SESSION**
CHAIRPERSONS: E. Pagano (Naples), G. Ravegnini (Bologna)
-
- 9.00 **Analysis of TRPV1 gene polymorphisms in episodic migraineurs and patients affected by medication overuse headache**
S. Cargnin (Novara), M. Viana, G. Sances, C. Tassorelli, G. Nappi, P. L. Canonico, A. A. Genazzani & S. Terrazzino
-
- 9.15 **PIK3CA and MAPK molecular analysis in breast cancer cell lines after everolimus treatment**
V. Citi (Pisa), M. Del Re, A. Martelli, M. Palombi, L. Testai, V. Calderone, R. Danesi, M. C. Breschi
-
- 9.30 **IL17F-rs9463772 as an independent prognostic biomarker in locally advanced rectal cancer**
E. Dreussi (Aviano), S. Gagno, C. Zanusso, M. Montico, A. De Paoli, C. Belluco, S. Pucciarelli, L. Quartuccio, S. De Vita, V. Canzonieri, A. Buonadonna, M. L. Friso, S. Lonardi, G. Toffoli, E. Cecchin
-
- 9.45 **Analytical validity of ddPCR as a method for the detection and quantification of somatic mutations on ctDNA of ovarian cancer patients**
S. Gagno (Aviano), R. Roncato, E. De Mattia, M. Garziera, M. Montico, E. Dreussi, G. Toffoli, E. Cecchin
-
- 10.00 **Impact of pharmacogenetic markers of vitamin D pathway on deferasirox pharmacokinetics in children**
S. Allegra (Turin), J. Cusato, S. De Francia, A. Arduino, D. Massano, E. Pirro, F. Longo, A. Piga and A. D'Avolio
-
- 10.15 **Pharmacogenetic evaluation of DPYD deficient variants for pre-emptive testing in patients candidate to receive fluoropyrimidine-based chemotherapy: a comprehensive analysis in 1454 patients**
G. Restante (Pisa), M. Del Re, A. Michelucci, S. Salvadori, C. Cremolini, F. Loupakis, C. Barbara, M. P. Latiano, F. Pietrantonio, P. Simi, F. De Braud, C. Zamagni, E. Maiello, A. Falcone, R. Danesi
-

Sala del Ponte

- 9.00-11.00 **ORAL COMMUNICATIONS
MISCELLANEOUS SESSION**
CHAIRPERSONS: P. M. Heister (*Oxford, UK*), M. Milanese (*Genoa*)
-
- 9.00 **Sildenafil attenuates mouse uterus contractility through L-Cys/
H2S pathway activation**
E. Mitidieri (*Naples*), T. Tramontano, E. Donnarumma, V. Brancaleone,
G. Cirino, R. d'Emmanuele di Villa Bianca, R. Sorrentino
-
- 9.15 **Nociceptive-Like responses mediated by Transient Receptor
Potential Melastatin-3 (TRPM3), in *Hydra vulgaris***
V. Malafoaglia (*Rimini, Rome*), S. Ilari, F. Lauro, L. A. Giancotti,
C. Morabito, C. Muscoli
-
- 9.30 **PARKIN dependent regulation of the MCU complex component
MICU1**
A. Matteucci (*Ancona*), T. Calì, A. Raffaello, M. Brini, R. Rizzuto
and S. Amoroso
-
- 9.45 **Suitability of a hemolytic assay and a cell-based ELISA to
quantify palytoxins in marine microalgae**
V. Brovedani (*Trieste*), M. Pelin, S. Sosa, L. Tartaglione, Z. Ninčević
Gladan, C. Dell'Aversano, A. Tubaro
-
- 10.00 **Antiviral drug concentrations according to seasonal variation**
J. Cusato (*Turin*), A. Calcagno, A. De Nicolò, A. Ariaudo, M. Simiele,
L. Boglione, S. Bonora, G. Di Perri, A. D'Avolio
-
- 10.15 ***In vitro* pharmacological characterization and comparison of NOP
receptor non peptide agonists**
F. Ferrari (*Ferrara*), D. Malfacini, C. Trapella, R. Guerrini, N. T. Zaveri
and G. Calò

Sala del Porto

- 9.00-11.00 **ORAL COMMUNICATIONS
NEUROSCIENCE I SESSION**
CHAIRPERSONS: V. Bortolotto (*Novara*), V. Satta (*Madrid, Spain, Cagliari*)
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- 9.00 **GPR17, a key receptor involved in oligodendrogenesis: implications for re-myelination strategies**
G. T. Coppolino (*Milan*), D. Lecca, D. Marangon, F. Viganò, C. Parravicini, I. Eberini, R. Magliozzi, R. Furlan, L. Dimou, M. P. Abbracchio
-
- 9.15 **CAP2, a regulator of actin filament dynamic, is a novel ADAM10 interactor**
S. Pelucchi (*Milan*), S. Musardo, L. Vandermeulen, D. Lim, D. Di Marino, M. Passafaro, F. Gardoni, E. Marcello, M. Di Luca
-
- 9.30 **Astrocytes - endothelial interaction influences β -amyloid effects at the blood brain barrier**
S. F. Spampinato (*Catania*), S. Merlo, M. A. Sortino
-
- 9.45 **Cocaine-taking and -seeking behavior in rats: role of L-DOPA**
S. Antinori (*Cagliari*), L. Fattore, P. Saba, G. L. Gessa, W. Fratta, P. Devoto
-
- 10.00 **Glucagon Like Peptide-1 increases glutamate release in the mouse cerebral cortex and hippocampus by activating presynaptic GLP-1R**
C. Rebosio (*Genoa*), C. Garbarini, M. Balbi, M. Passalacqua, R. Ricciarelli, E. Fedele
-
- 10.15 **Lactobacillus caséi restores dysbiosis-induced gut inflammation and sickness behaviors associated with biochemical and electrophysiological alterations in the hippocampus**
A. Furiano (*Naples*), F. Guida, M. Iannotta, F. Turco, F. Napolitano, D. De Gregorio, M. Mazzitelli, S. Boccella, L. Luongo, V. de Novellis, R. Cuomo, A. Usiello, S. Maione
-

Sala Arengo

- 11.30-12.30 **Plenary Lecture**
 INTRODUCED BY: Francesco Rossi (*Naples*)
 Precision medicine in Europe: networks and how to apply to EU research fundings
R. Danesi (*Pisa*)
-
- 13.00-14.00 Lunch
-

14.00-15.30 POSTER SESSION II

- P59** **miR-9-5p as a potential biomarker of intestinal inflammatory status in an animal model of Parkinson's disease**
A. Buzzella (*Pavia*), B. Balestra, F. Gabriele, G. Lupo, O. Pastoris, E. Capelli
-
- P60** **D-Aspartate drinking solution alleviates pain and cognitive impairment in neuropathic mice**
M. Iannotta (*Naples*), R. Romano, A. Furiano, M. E. Giordano, F. Guida, E. Palazzo, F. Marmo, A. D'Aniello, V. de Novellis
-
- P61** **Palmitoylethanolamide restores pain and cognitive impairments and improves theta-burst long-term potentiation (LTP) in the dentate gyrus of neuropathic mice**
M. Mazzitelli (*Naples*), C. Belardo, S. Boccella, L. Luongo, D. De Gregorio, I. Marabese, C. Giordano, S. Maione
-
- P62** **Activation of PPAR γ receptor by natural agent andrographolide reduces alcohol drinking and stress-induced relapse in Marchigian-Sardinian alcohol-preferring (msP) rats**
A. M. Borruto (*Camerino*), S. Stopponi, G. Brunori, M. Ubaldi, R. Ciccocioppo
-
- P63** **Characterization of an alcohol addiction-prone phenotype in rats**
A. Domi (*Camerino*), R. Ciccocioppo
-
- P64** **Regulation of endocannabinoid signalling modulates alcohol drinking and anxiety-related behaviors in alcohol-preferring rats**
Y. Fotio (*Camerino*), F. Casarola, M. Ubaldi, S. Stopponi, E. Domi, G. Scuppa and R. Ciccocioppo
-
- P65** **Involvement of the Prokineticin system in *in vivo* models of A β induced neurotoxicity**
D. Maffei (*Rome*), R. Lattanzi, V. Marconi, I. Fusco, C. Scuderi, G. Balboni, L. Steardo and L. Negri
-
- P66** **Targeting protein SUMOylation changes in experimental Alzheimer's disease**
D. Mango (*Rome*), R. Nisticò
-
- P67** **Synaptic dysfunction is rescued by targeting SUMOylation in a mouse model of Alzheimer's disease**
S. Marcelli (*Rome*), E. Ficulle, F. Iannuzzi, L. Negri, R. Nisticò, M. Feligioni
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- P68** **Neuroprotective and antioxidant effects of Esculetin against Amyloid Beta Peptide-Induced Toxicity in SH-SY5Y cells**
L. Pruccoli (*Bologna*), G. Sita, F. Morroni, P. Hrelia, A. Tarozzi
-
- P69** **Reduction of Cocaine Consumption by Buprenorphine Requires Concomitant Activation of NOP and MOP Opioid Receptor**
M. Kallupi, Q. Shen (*Camerino*), G. de Guglielmo, D. Yasuda, B. V. Journigan, N. T. Zaveri, R. Ciccocioppo
-
- P70** **Role of autophagy in retinal ganglion cell death following retinal ischemia in mice**
G. P. Varano (*Arcavacata di Rende, Rome*), R. Russo, A. Adornetto, F. Nazio, C. Nucci, F. Cecconi, L. A. Morrone, M. T. Corasaniti, G. Bagetta
-
- P71** **Human iPSC-derived Neural stem cells and their progeny: a relevant model for pharmacological studies**
E. Xia (*Novara*), V. Bortolotto, P. L. Canonico, M. Grilli
-
- P72** **Neuroinflammation in chronic kidney disease: effect of indoxyl sulfate on glial cells**
S. Adesso (*Fisciano*), T. Magnus, S. Cuzzocrea, I. Paterniti, E. Esposito, A. Pinto, G. Autore and S. Marzocco
-
- P73** **Pharmacological profiles of presynaptic, release-regulating mGlu2-preferring and mGlu3-preferring autoreceptors and their functional role in demyelinating disease**
T. Bonfiglio (*Genoa*), G. Olivero, M. Vergassola, C. Cervetto, M. Grilli, C. Usai, M. Marchi and A. Pittaluga
-
- P74** **Serotonin-2A and -2C receptor modulation of the lateral habenula activity in the context of nicotine addiction: a neuroanatomical and electrophysiological study**
F. Delicata (*Msida, Malta*), M. Pierucci, C. Bombardi and G. Di Giovanni
-
- P75** **Reducing mGlu5 receptors improves survival, symptoms and biological features in SOD1G93A mice**
E. Gallia (*Genoa*), L. Cattaneo, T. Bonifacino, M. Milanese, F. Conti, A. Puliti, G. Bonanno
-
- P76** **Increased PCSK9 cerebrospinal fluid concentrations in Alzheimer's disease**
C. Marchi (*Parma*), P. Caffarra, N. Ronda, E. Favari, M. P. Adorni, F. Bernini, F. Barocco, M. Spallazzi, D. Galimberti, C. Ricci, M. Ruscica, A. Corsini, N. Ferri and F. Zimetti
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- P77** **Role of the Lateral Habenula in modulating the rewarding effects of nicotine**
M. Pierucci (*Msida, Malta*), R. Colangeli, F. Delicata, C. Davies and G. Di Giovanni
-
- P78** **Neuroprotective effect of melatonin in neonatal hypoxia-ischemia: role of Sirt1**
G. Riparini (*Urbino*)
-
- P79** **Endocannabinoid system modulation of hippocampal excitability in normal and epileptic conditions**
M. Vella (*Msida, Malta*), R. Colangeli, M. Pierucci and G. Di Giovanni
-
- P80** **A2A-D2 heterodimers control glutamate release from striatal astrocytes**
A. Venturini (*Genoa*), C. Cervetto, M. Passalacqua, S. Genedani, A. Woods, G. Maura, M. Marcoli, L.F. Agnati
-
- P81** **Drug exposure and Multiple Sclerosis: results from a systematic literature review**
I. C. Antonazzo (*Bologna*), E. Raschi, E. Poluzzi, F. De Ponti
-
- P82** **Effects of Palmitoylethanolamide against β -amyloid induced toxicity in cortical primary astrocyte-neuron co-cultures from Wild-Type and 3xTg-AD mice**
A. C. Borelli (*Ferrara*), M. C. Tomasini, S. Beggiato, T. Cassano, S. Tanganelli, T. Antonell, L. Ferraro
-
- P83** **Opioid system gene expression alterations following poly addictive substance exposure in the amygdala of msP rats: ethanol and 3,4-Methylenedioxymethamphetamine (MDMA) effects**
F. F. Caputi (*Bologna*), C. Nasuti, M. Ubaldi, S. Candeletti, R. Ciccocioppo, P. Romualdi
-
- P84** **HCN channels constrain dendritic excitability in substantia nigra dopaminergic neurons *in vitro* and promote their survival *in vivo***
C. Carbone (*Florence*), F. Resta, A. Costa, G. Provensi, G. Mannaioni and A. Masi
-
- P85** **The protective effect of selective histamine H4 receptor antagonist JNJ7777120 against brain focal ischemia in the rat**
I. Dettori (*Florence*), A. Melani, L. Gaviano, L. Lucarini, E. Masini, F. Pedata
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- P86** **Synergistic effect of the epigenetic drugs resveratrol and Valproic acid in reducing post ischemic brain injury**
L. Faggi (*Brescia*), G. Pignataro, A. Lanzillotta, E. Parrella, V. Porrini, A. Vinciguerra, P. Cepparulo, M. Benarese, M. Mota, L. Annunziato, P. F. Spano, M. Pizzi
-
- P87** **The selective stimulation of adenosine A2B receptors decreases outward K⁺ currents and increases sphingosine kinase 1 activity in primary purified oligodendrocyte precursor cell cultures**
I. Fusco (*Florence*), E. Coppi, F. Cencetti, P. Bruni, V. Colotta, F. Pedata and A. M. Pugliese
-
- P88** **NF-kB/c-Rel in peripheral blood mononuclear cells as potential heraldic biomarker of Parkinson's Disease**
V. Porrini (*Brescia*), A. Lanzillotta, R. Flaibani, A. Antonini, A. Bellucci, S. Bonacina, A. Alberici, A. Padovani, P. F. Spano, M. Pizzi
-
- P89** **Early-onset epileptic encephalopathy caused by a reduced sensitivity of Kv7.2 potassium channel subunits to PIP2**
M. V. Soldovieri (*Campobasso*), P. Ambrosino, M. De Maria, I. Mosca, P. Striano, S. Weckhuysen, E. C. Cooper and M. Tagliatalata
-
- P90** **Effect of rat adipose derived stem cells in a rat model of oxaliplatin-induced neuropathy**
B. Tenci (*Florence*), L. Di Cesare Mannelli, L. Micheli, M. Maresca, E. Lucarini, F. Corti, P. Failli, C. Ghelardini
-
- P91** **Peripheral blood BDNF alterations in adult subjects exposed to childhood trauma experiences**
V. Begni (*Milan*), S. Tosato, N. Lopizzo, N. Cattane, S. Tomassi, S. Locatelli, L. Tarantini, V. Bollati, C. M. Pariante, A. Cattaneo, M. A. Riva
-
- P92** **Microvesicles shed from microglia contribute to metabotropic glutamate receptor 5 effects on neuronal viability**
M. Beneventano (*Catania*), S. F. Spampinato, S. Merlo, P. Platania, M. A. Sortino
-
- P93** **Alterations in local protein synthesis are associated with cognitive impairment in chronically stressed rats**
P. Brivio (*Milan*), F. Calabrese, M. Papp and M. A. Riva
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- P94** **Neuroprotective effect of dimethyl fumarate in MPTP-mouse model of Parkinson's disease**
G. Casili (*Messina*), F. Biundo, M. Campolo, R. Crupi, M. Cordaro, S. Cuzzocrea and E. Esposito
-
- P95** **A new miRNA regulating oligodendrocyte maturation in physiology and disease**
D. Marangon (*Milan*), G. T. Coppolino, A. Finardi, R. Furlan, M. P. Abbracchio, D. Lecca
-
- P96** **Effects of hydrogen sulfide on progression of experimental Alzheimer's disease**
E. Vandini (*Modena*), D. Giuliani, A. Ottani, A. Calevro, F. Canalini, D. Zaffe, S. Guarini
-
- P97** **Oxaliplatin-induced neurotoxicity: could it correlate with the Neurovascular Unit impairment?**
M. Maresca (*Florence*), L. Di Cesare Mannelli, J. J. Branca, L. Micheli, B. Tenci, E. Lucarini, A. Pacini, M. Gulisano, C. Ghelardini
-
- P98** **The polyphenol oleuropein aglycone modulates PARP1 activity and its interplay with SIRT1**
P. Nardiello (*Florence*), D. Pantano, I. Luccarini, C. Miceli, C. Nediani, M. Stefani and F. Casamenti
-
- P99** **Pharmacological characterization of novel store-operated calcium entry modulators**
B. Riva (*Novara*), T. Pirali, I. Biocotino, D. Alansary, D. Lim, B. Niemeyer and A. A. Genazzani
-
- P100** **Molecular determinants for 9-AC and NFA binding to CLC-1 chloride channels and possible chaperone activity on myotonic CLC-1 mutants**
C. Altamura (*Bari*), P. Imbrici, A. Toscano, R. Mantegazza, M. Lo Monaco, G. Mangiatordi, O. Nicolotti, J-F Desaphy and D. Conte Camerino
-
- P101** **Might G-CSF-induced pain depend on increased production and release of PK2?**
S. Squillace (*Rome*), V. Marconi, R. Lattanzi, D. Maftai, I. Fusco, L. Rossi, S. Tomao, G. Balboni, L. Negri
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- P102** **Human Adipose Stem Cells and their Secretome contrast painful symptoms induced by peripheral diabetic neuropathy in the mouse experimental model**
G. Amodeo (*Milan*), G. Moschetti, L. M. Ferreira, S. Franchi, S. Niada, A. E. Panerai, A. T. Brini, P. Sacerdote
-
- P103** **Monitoring of Adverse Events in Paediatrics (MEAP) Project: preliminary results**
R. Cenami (*Naples*), F. Auricchio, F. F. Bernardi, D. Cimmaruta, C. Ferrajolo, S. Fiorentino, A. Maccariello, A. Mascolo, C. Rafaniello, C. Scavone, M. Sessa, L. Sportiello, G. M. Sullo, F. Rossi, A. Capuano
-
- P104** **Hypoglycemia, polycythemia and hyponatremia in a newborn exposed to neбиволол during pregnancy**
D. Cimmaruta (*Naples*), M. G. Sullo, D. Perri, M. Sibilio, C. Rafaniello, A. Fucile, F. Rossi, A. Capuano
-
- P105** **Active Pharmacovigilance project: biological drugs use in the Policlinico Hospital of the Second University of Naples**
S. Fiorentino (*Naples*), F. Auricchio, F. F. Bernardi, R. Cenami, D. Cimmaruta, C. Ferrajolo, A. Maccariello, A. Mascolo, C. Rafaniello, C. Scavone, M. Sessa, L. Sportiello, G. M. Sullo, F. Rossi, A. Capuano
-
- P106** **No neuromuscular block after maximal dose of rocuronium: a case report**
A. Maccariello (*Naples*), F. Auricchio, F. F. Bernardi, R. Cenami, D. Cimmaruta, C. Ferrajolo, S. Fiorentino, A. Mascolo, C. Rafaniello, C. Scavone, M. Sessa, L. Sportiello, M. G. Sullo, A. Capuano, F. Rossi
-
- P107** **Atomoxetine in the treatment of Attention-Deficit Hyperactivity Disorder (ADHD) and suicidal ideation (a case series)**
C. Scavone (*Naples*), A. Capuano, C. Rafaniello, R. Arcieri, M. G. Sullo, L. Sportiello, P. Panei, F. Rossi
-
- P108** **Pattern of antibiotic prescription in pediatric population: an analysis in Emilia-Romagna Region**
M. Donati (*Bologna*), C. Biagi, L. Monaco, M. Melis, L. Marzi, D. Motola, A. Vaccheri
-
- P109** **Off-label drug use: the experience of the University Hospital of Catania from 2012 to 2015**
L. Gozzo (*Catania*), L. Longo, S. Mansueto, F. Drago
-

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- P110** **Searching for orphan drugs for the therapy of Duchenne Muscular Dystrophy: potential role of Src tyrosine kinase inhibitors**
A. Cozzoli (*Bari*)
-
- P111** **Evaluation of the efficacy of a long-term treatment with metformin on functional, histological and biochemical disease-related endpoints in exercised dystrophic mdx mice**
P. Mantuano (*Bari*), R. F. Capogrosso, F. Sanarica, A. Cozzoli, M. De Bellis, A. De Luca
-
- P112** **Oxidative stress and Duchenne muscular dystrophy: *in vivo* and *in vitro* preclinical evaluation of inhibition of Src Tyrosin Kinase and NADPH Oxidase**
F. Sanarica (*Bari*), A. Cozzoli, R. F. Capogrosso, P. Mantuano, M. De Bellis, A. De Luca
-
- P113** **Epigenetic modifications of the PGC-1 α promoter in Limb Girdle Muscular Dystrophy 2D account for impaired mitochondrial biogenesis: new perspective in HDAC inhibitors as therapeutic strategy of muscular dystrophy**
I. Di Renzo (*Milan*), C. Perrotta, M. Giovarelli, S. Pambianco, D. Cervia, C. De Palma, E. Clementi
-
- P114** **Persistent inhibition of mitochondrial biogenesis in Limb Girdle Muscular Dystrophy 2D: identification of nitric oxide-dependent salvage pathway**
M. Giovarelli (*Milan*), S. Pambianco, C. Perrotta, I. Di Renzo, C. De Palma, E. Clementi
-
- P115** **Alteration of skeletal muscle calcium homeostasis in an animal model of cachexia and restoration by growth hormone secretagogues**
E. Conte (*Bari*), G. M. Camerino, M. De Bellis, A. Fonzino, S. Pierno, R. Caloiero, A. Giustino, L. Rizzi, E. Bresciani, K. Ben Haj Salah, J. A. Fehrentz, J. Martinez, A. Torsello, D. Conte, A. Liantonio
-
- P116** **A nitric oxide donor and histamine H3 receptor inverse agonist reduce ocular hypertension and ameliorate the ocular vascular performance in New Zealand white rabbit models of glaucoma**
C. Lanzi (*Florence*), L. Lucarini, M. Durante, A. Pini, H. Stark and E. Masini
-

Sala Arengo

15.30-16.45

**ORAL COMMUNICATIONS
INFLAMMATION II SESSION**CHAIRPERSONS: P. De Cicco (*Naples*), B. Romano (*Milan, Naples*)

15.30

Estrogen promotes macrophages proliferation and polarization
G. Pepe (*Milan*), C. Barlassina, A. Maggi, M. Locati, E. Vegeto

15.45

Hops extracts (*Humulus lupulus* L.) as anti-inflammatory agents in gastric epithelial cells
E. Sangiovanni (*Milan*), M. Fumagalli, L. Santagostini, E. Colombo, G. Fico, M. Dell'Agli

16.00

Role of oxidized phospholipids in promoting pro-fibrotic alternative activated macrophages and driving pulmonary fibrosis
N. Consolini (*Bologna*), R. Thimmulappa, S. Biswal, S. Angelini, P. Hrelia, G. Cantelli Forti

16.15

Glucocorticoid Induced Leucine Zipper protein (GILZ) regulates hematopoietic stem cell engraftment and myeloid differentiation in a mouse model of CEBPA mutant acute myeloid leukemia
M. Cimino (*Perugia*), T. Frammartino, D. Sorcini, O. Bereshchenko, S. Flamini, A. Cafarella, S. Bruscoli, C. Riccardi

16.30

Novel selective inhibitor of NLRP3 inflammasome as a suitable strategy for the pharmacological treatment of intestinal inflammation
C. Pellegrini (*Pisa*), M. Fornai, R. Colucci, G. Lopez-Castejon, M. Cocco, D. Garella, M. Bertinaria, L. Antonioli, C. Blandizzi

Sala del Ponte

- 15.30-16.45 **ORAL COMMUNICATIONS
METABOLIC DISEASES SESSION**
CHAIRPERSONS: O. Dorofejeva (*London, UK*), E. Mitidieri (*Naples*)
-
- 15.30 **The role of palmitoylethanolamide (PEA) in the regulation of glucose homeostasis and central neuronal function in an animal model of diet-induced obesity**
F. Di Guida (*Naples*), A. Santoro, C. Pirozzi, A. Lama, M. P. Mollica, S. Diano, G. Mattace Raso and R. Meli
-
- 15.45 **Reinstalling immune regulatory tryptophan catabolism in juvenile diabetes via interleukin 6 receptor blockade**
G. Mondanelli (*Perugia*), M. T. Pallotta, A. Iacono, C. Orabona and U. Grohmann
-
- 16.00 **Drug treatment and adherence of subjects <40 years with diagnosis of heterozygous familial hypercholesterolemia**
M. Casula (*Milan*), L. Scotti, E. Tragni, G. Corrao, A. L. Catapano
-
- 16.15 **Modulation of cholesterol availability through the LDLR affects CD4+ T cells differentiation**
F. Bonacina (*Milan*), F. Pellegatta, L. Grigore, K. Garlaschelli, A. Baragetti, A. L. Catapano, G. D. Norata
-
- 16.30 **Activation of MC5 melanocortin receptor subtypes reduces the retinal damage and preserves photoreceptors in a mouse model of STZ-induced diabetic retinopathy and cell retina culture**
R. Maisto (*Naples*), C. Gesualdo, S. Rossi, F. Simonelli, P. Grieco, F. Merlino, M. Perretti, C. Di Filippo, M. D'Amico
-

Sala Arengo

- 17.00-18.00 **Plenary Lecture**
INTRODUCED BY: Giuseppe Cirino (*Naples*)
Tumor plasticity
D. Altieri (*Philadelphia, USA*)
-
- 18.00-20.00 Young SIF Members Group Assembly/Meeting
-

THURSDAY 22 SEPTEMBER

Sala Arengo

9.00-12.00

ORAL COMMUNICATIONS NEUROSCIENCE II SESSION

CHAIRPERSONS: F. Delicata (*Msida, Malta*), M. Pierucci (*Msida, Malta*),
M. Vella (*Msida, Malta*)

9.00

Palmitoylethanolamide increases CB2 receptor expression via PPAR α and induces a reactive phenotype in microglial cells

M. E. Giordano (*Naples*), F. Guida, L. Luongo, R. Romano, G. Bellini, S. Alameen, S. Boccella, P. Axerio-Cilies, A. Rizzo, R. Imperatore, V. de Novellis, V. di Marzo, S. Maione

9.15

β 2 adrenergic receptors as novel players and targets in the modulation of adult hippocampal neurogenesis

V. Bortolotto (*Novara*), B. Cuccurazzu, C. Crosta, V. Tugnoli, D. Monti, P. L. Canonico, M. Grilli

9.30

Role of age and caffeine consumption in MDMA-induced neuroinflammation and neurotoxicity in mice

G. Costa (*Cagliari*), L. Frau, P. F. Porceddu, N. Simola, M. Morelli

9.45

Presynaptic mechanisms in multiple sclerosis: studies in neuronal cultures and in experimental autoimmune encephalomyelitis

F. C. Guarnieri (*Milan*), R. Cervigni, S. Bellani, D. Pozzi, E. Monzani, E. Fornasiero, L. Yekhleif, S. Taverna, G. Martino, L. Muzio and F. Valtorta

10.00

Glucose and NAADP trigger elementary intracellular beta cell calcium signals

P. M. Heister (*Oxford, UK*), T. Powell, A. Galione

10.15

Neuroprotective effects of 3-iodothyroacetic acid (TA1), a by end product of thyroid hormone metabolism: evidence for histamine involvement

A. Laurino (*Florence*), E. Landucci, G. De Siena, F. Resta, R. Laura

10.30

TAT-BH4 protects from spinal cord injury damage

M. Monti (*Siena*), S. Donnini, S. Cuzzocrea, M. Ziche

10.45 **Oleuropein aglycone and polyphenols from olive mill wastewater ameliorate cognitive deficits and neuropathology**
D. Pantano (*Florence*), I. Luccarini, P. Nardiello, M. Stefani and F. Casamenti

11.00 **Neuroprotective properties of Caffeic acid phenethyl ester on Alzheimer's disease pathogenesis and cognition**
G. Sita (*Bologna*), F. Morroni, A. Tarozzi, P. Hrelia

Sala del Ponte

9.00-12.00 **ORAL COMMUNICATIONS
 CANCER SESSION**
 CHAIRPERSONS: S. Cirimi (*Messina*), M. Del Re (*Pisa*), E. Pagano (*Naples*)

9.00 **Anti-proliferative effects of natural compounds on human melanoma cells**
C. Armogida (*Naples*), E. Panza, P. De Cicco, G. Ercolano, G. Cirino and A. Ianaro

9.15 **Prostaglandin E2 promotes EGFR nuclear translocation in human non-small cell lung cancer cells**
L. Bazzani (*Siena*), F. Finetti, S. Donnini, G. Christofori, M. Ziche

9.30 **The histones as possible epigenetic targets of the anticancer ruthenium and osmium derivative compounds (RDCs and ODCs)**
A. Capuozzo (*Naples, Strasbourg, France*), R. Santamaria, M. Pfeffer, C. Gaiddon

9.45 **Modeling human cancer mutations in vivo: CRISPR/Cas9 impact in cancer biology and pharmacology**
G. Pizzino (*Messina*), R. Kannan, A. Bitto, D. Altavilla, A. Ventura, F. Squadrito

10.00 **PGE-2 induces the angiogenic switch in advanced prostate tumors targeting miR-186**
E. Terzuoli (*Siena*), F. Finetti, A. Giachetti, S. Donnini and M. Ziche

10.15 **Role of CCR5 receptor on microglia-glioma interaction**
E. Laudati (*Rome*), P. Navarra, L. Lisi

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- 10.30 **Targeting extracellular NAMPT in cancer: generation and validation of NAMPT neutralizing antibodies**
C. Travelli (*Novara*), A. Zito, F. Malavasi and A. A. Genazzani
-
- 10.45 **Mitochondrial remodeling involved in cisplatin resistance**
C. Vianello (*Padua*), D. Catanzaro, V. Cocetta, E. Ragazzi, M. Montopoli
-
- 11.00 **Glucocorticoid induced leucine zipper (GILZ) contributes to HSC homeostasis in mice**
T. Frammartino (*Perugia*), M. Cimino, D. Sorcini, R. Lupo, F. De Chirico, O. Bereshechenko, S. Bruscoli, C. Riccardi
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Sala Arengo

- 12.00-13.00 **CONCLUSIONS
SIF AWARDS**

We are very pleased to thank the Ugo Basile srl for kindly providing a list of several experimental instruments to be awarded to the best oral presentation describing the use of experimental behavior tests.

