

WEDNESDAY, SEPTEMBER 14, 2011

Sala Bianca - 2.00–4.00 pm

Round table

THE BIOBANK: USEFUL INSTRUMENT FOR ETHIC COMMITTEES

Chairperson: E. Chiesara (*Milano*)

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|---------|--|
| 2.00 pm | From the biobank to the research biorepository |
| | R. Satolli (<i>Milano</i>) |
| 2.25 | Safeguarding patients, allowing research |
| | S. Milani (<i>Milano</i>) |
| 2.50 | Biobank research: ethical considerations |
| | M. Sulekova (<i>Roma</i>) |
| 3.15 | Biobank governance: a bridge between patients and researchers |
| | M. Macilotti (<i>Trento</i>) |

Under the auspices of Fondazione Emilio Trabucchi

WEDNESDAY, SEPTEMBER 14, 2011

Sala Ciano - 2.00–4.00 pm

Symposium

THE NEW ERA OF SIGNAL DETECTION AND VALIDATION IN PHARMACOVIGILANCE

Chairpersons: A.P. Caputi (*Messina*), F.A. Sayed-Tabatabaei (*Dutch Medical Evaluation Board*)

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|---------|---|
| 2.00 pm | Signal detection using spontaneous reporting databases: the Italian experience
U. Moretti (<i>Verona</i>) |
| 2.30 | Signal detection using electronic medical record databases: the experience from the EU-ADR project
G. Trifirò (<i>Messina, Rotterdam</i>) |
| 3.00 | New methods for signal detection: the experience from international projects
M. Schuemie (<i>Rotterdam</i>) |
| 3.30 | Expectations from regulatory agencies concerning signal detection
F. A. Sayed-Tabatabaei (<i>Dutch Medical Evaluation Board</i>) |

Under the auspices of International Society of Pharmacoepidemiology (ISPE)

WEDNESDAY, SEPTEMBER 14, 2011

Sala Italia - 2.00–4.00 pm

SYMPOSIUM

DRUG INFORMATION

Chairpersons: G. Recchia (*Verona*), G.P. Velo (*Verona*)

- | | |
|---------|---|
| 2.00 pm | Providers of drug information
<i>Pharmaceutical Industry</i>
P. Rizzini (<i>Roma</i>)
<i>Independent Bulletins</i>
M. Font (<i>Verona</i>) |
| 2.30 | Drug vigilance
<i>Vigilance on drug advertising to healthcare professionals</i>
S. Giacomelli (<i>Roma</i>) |
| 2.45 | Recipients of drug information
<i>Healthcare professionals</i>
F. Roila (<i>Perugia</i>)
<i>Citizens</i>
T. Aceti (<i>Roma</i>) |
| 3.15 | Drug information channels
<i>Media</i>
R. Renzi (<i>Milano</i>)
<i>Internet</i>
M. Vergnano (<i>Milano</i>) |
| 3.35 | Closing Remarks
G. Recchia (<i>Verona</i>), G.P. Velo (<i>Verona</i>) |
| 3.45 | <i>Discussion</i> |

*Under the auspices of Reference Centre for Education and Communication within the WHO
Programme for International Drug Monitoring (*Verona*)*

WEDNESDAY, SEPTEMBER 14, 2011

Sala Azzurra – 2.00-4-00 pm

Symposium

THE FUTURE OF CLINICAL RESEARCH: REFLECTIONS AND PROPOSALS UPON POSSIBLE PERSPECTIVES

Chairpersons: E. Clementi (*Milano*), A. Mugelli (*Firenze*)

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|---------|---|
| 2.00 pm | The new European legislation and the Italian proposal
C. Tomino (<i>Roma</i>) |
| 2.30 | Regulatory or investigator-initiated research: conflict or synergism
<i>In the cardiovascular field</i>
G. C. Agnelli (<i>Perugia</i>)
<i>In oncology</i>
F. Perrone (<i>Napoli</i>) |
| 3.15 | How to support the role of our Country in the drug worldwide development
M. Scatigna (<i>Milano</i>) |
| 3.40 | General Discussion |

WEDNESDAY, SEPTEMBER 14, 2011

Sala Europauditorium

4.00 pm

Welcome Ceremony

OPENING REMARKS

- 4.00 C. Riccardi (*President, SIF*)
P. L. Canonico (*President elect, SIF*)
G. Cantelli Forti (*President, Collegio Nazionale Farmacologi Universitari*)
I. Dionigi (*Magnifico Rettore, Bologna Alma Mater Studiorum University*)
V. Merola (*Sindaco, Bologna*)
A. Tranfaglia (*Prefetto, Bologna*)
- 4.30 G. Rasi (*Director, AIFA and EMA*)
Introduced by: C. Riccardi (*President, SIF*), F. Rossi (*Magnifico Rettore, Naples II University, Vice President CTS, AIFA*)

5.00 pm – 5.30 pm

Award Ceremony

FARMINDUSTRIA-SIF AWARDS

P. L. Canonico (*Novara*), M. Scaccabarozzi (*Roma*), C. Riccardi (*Perugia*)

5 Awards for SIF Members

Silvia Carloni

Dip. di Scienze Biomolecolari
Università degli Studi di Urbino
"Carlo Bo"

Activation of autophagy and Akt/CREB signaling play an equivalent role in the neuroprotective effect of rapamycin in neonatal hypoxia-ischemia
Autophagy. Apr; 6(3):366-77, 2010

Rosalia Crupi

Dip. Clinico-Sperimentale di Medicina e Farmacologia
Università degli Studi di Messina

Melatonin treatment mimics the antidepressant action in chronic-corticosterone treated mice
J Pineal Res. Sep; 49 (2): 123-129, 2010

Clara De Palma

Unità Operativa di Farmacologia
Clinica Ospedale L. Sacco, Milano

Nitric oxide inhibition of Drp1-mediated mitochondrial fission is critical for myogenic differentiation
Cell Death and Differ. Nov; 17(11): 1684-96, 2010

Gianluca Grassia

Dip. di Farmacologia Sperimentale
Università degli Studi di Napoli
Federico II

The I{kappa}B kinase inhibitor nuclear factor-{kappa}B essential modulator-binding domain peptide for inhibition of injury-induced neointimal formation
Arterioscler Thromb Vasc Biol. Dec; 30: 2458-66, 2010

Erika Terzuoli
Dip. di Biologia Molecolare
Università degli Studi di Siena

Inhibition of HIF-1 α by dihydroxyphenylethanol, a product from olive oil, blocks mPGES-1/VEGF expression and reduces tumor angiogenesis
Clin Cancer Res. Aug 15; 16(16): 4207-16, 2010

5 Awards for Pharmaceutical Industry Researchers

Elena Bastia
NicOx Research Institute

A novel nitric oxide releasing prostaglandin analog, NCX 125, reduces intraocular pressure in rabbit, dog, and primate models of glaucoma
J Ocul. Pharmacol. Ther. 26(2): 125-32, 2010

Chiara Carnini
Chiesi Farmaceutici SpA

Acetaminophen, via its reactive metabolite N-acetyl-pbenzo-quinoneimine and transient receptor potential ankyrin-1 stimulation, causes neurogenic inflammation in the airways and other tissues in rodents
FASEB J. Dec; 24(12): 4904-16, 2010

Martina Monti
Noxamet srl

δ PKC inhibition or ϵ PKC activation repairs endothelial vascular dysfunction by regulating eNOS post-translational modification
J Mol Cell Cardiol. Apr; 48(4): 746-56, 2010

Elisa Neri
Rottapharm S.p.A.

Antipsychotic-like effects of the N-methyl-d-aspartate receptor modulator neboglamine: An immunohistochemical and behavioural study in the rat
Pharmacol Res 61, 430–436, 2010

Davide Quarta
Aptuit Center

The orexin-1 receptor antagonist SB-334867 reduces amphetamine-evoked dopamine outflow in the shell of the nucleus accumbens and decreases the expression of amphetamine sensitization
Neurochem Int. Jan; 56(1): 11-5, 2010

WEDNESDAY, SEPTEMBER 14, 2011

Sala Europauditorum - 5.45–6.30 pm

Plenary Lecture

Introduced by: C. Riccardi (*Perugia*)

5.45 pm THE HEART-BREAK OF STUDYING GLUCOCORTICOID
RECEPTORS AT THE NIH
J. Cidlowski (*NIH, Research Triangle Park*)

THURSDAY, September 15, 2011

Sala Ciano - 8.30–10.30 am

Symposium

NEW FRONTIERS IN INFLAMMATION: THE GASOTRANSMITTERS AS NEW THERAPEUTIC TARGET

Chairpersons: G. Cirino (*Napoli*), S. Cuzzocrea (*Messina*)

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|---------|---|
| 8.30 am | Nitric oxide regulation of acute inflammation
W. Sessa (<i>New Heaven</i>) |
| 8.55 | H₂S promotes resolution of inflammation and injury in the GI tract
J. Wallace (<i>Hamilton</i>) |
| 9.20 | Hydrogen sulphide is an endogenous inhibitor of phosphodiesterase activity
M. Bucci (<i>Napoli</i>) |
| 9.35 | Role of Glucocorticoid-Induced Leucine Zipper (GILZ) in the anti-inflammatory effect of glucocorticoids
S. Bruscoli (<i>Perugia</i>) |
| 9.50 | Nuclear receptors and control of inflammation associated with spinal cord trauma: pathophysiological relevance
E. Esposito (<i>Messina</i>) |

THURSDAY, September 15, 2011

Sala Italia - 8.30-10.30 am

Symposium

PERSONALIZED MEDICAL THERAPY: CURRENT STATUS AND PERSPECTIVES

Chairpersons: R. Padrini (*Padova*), F. Scaglione (*Milano*)

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|---------|--|
| 8.30 am | Methodological and practical aspects of biomarkers for the personalization of pharmacologic treatments
R. Danesi (<i>Pisa</i>) |
| 8.50 | Anti-cancer drugs
M. Gusella (<i>Rovigo</i>) |
| 9.10 | Anti-thrombotic drugs
R. Padrini (<i>Padova</i>) |
| 9.30 | Antibiotics and antiviral drugs
F. Pea (<i>Udine</i>) |
| 9.50 | CNS drugs
E. Spina (<i>Messina</i>) |

THURSDAY, September 15, 2011

Sala Bianca - 9.00–10.30 am

Mini-Symposium

A NEW ALLIANCE FOR THE RESEARCH: BOEHRINGER INGELHEIM & ELI LILLY, 20 YEARS
TOGETHER TO FIND NEW SOLUTIONS IN DIABETES

Chairpersons: P. L. Canonico (*Novara*), M. A. Sortino (*Catania*)

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|---------|---|
| 9.00 am | Unmet needs in T2 Diabetes Mellitus
F. Purrello (<i>Catania</i>) |
| 9.30 | Goals and pipeline of the Alliance
A.M. Porrini (<i>Milano</i>) |
| 9.50 | Evolution of partnership strategies among pharmaceutical companies
C. Vasta (<i>Roma</i>) |

(Educational support from Eli Lilly Italia)

THURSDAY, September 15, 2011

Sala Magenta A – 8.30-10.30 am

XV National Seminar of PhD Students in Pharmacology and Related Sciences

PhD Students' Presentations - Session I

PHARMACOLOGY OF THE NERVOUS SYSTEM (I)

Chairpersons: R. Nisticò (*Cosenza*), M. Riva (*Milano*)

- | | |
|---------|--|
| 8.30 am | The mTOR kinase, a key regulator of glial pro-inflammatory activation
L. Lisi (<i>Roma</i>) |
| 8.45 | Omega-3 polyunsaturated fatty acids attenuate the secondary inflammatory response that characterizes spinal cord compression injury
I. Paterniti (<i>Messina</i>) |
| 9.00 | Role of "diazepam binding inhibitor" in oxygen-glucose deprivation and reperfusion-induced damage
A. Contartese (<i>Siena</i>) |
| 9.15 | Study of interactions between ABC-transporters and metabolism in rat intestinal "precision-cut" slices
M. Possidente (<i>Siena</i>) |
| 9.30 | Presynaptic Glycine type 1 transporter and NMDA receptor functional cross-talk in Central Nervous System
M. Summa (<i>Genova</i>) |
| 9.45 | Evaluation of the neuroprotective effect of parkin against α-synuclein-induced neurotoxicity in a rat model of Parkinson's disease
G. Mercanti (<i>Padova</i>) |
| 10.00 | Effect of nicotine on dopamine metabolism in PC12 TET-ON cells lines treated with doxycycline
Y. Spissu (<i>Sassari</i>) |
| 10.15 | Effect of the selective CRF-1 receptor antagonist R121919 in an animal model of binge eating
M.V. Micioni Di Bonaventura (<i>Camerino</i>) |

THURSDAY, September 15, 2011

Sala Magenta B – 8.30-10.30 am

XV National Seminar of PhD Students in Pharmacology and Related Sciences

PhD Students' Presentations - Session II

PHARMACOLOGY OF INFLAMMATION AND PAIN

Chairpersons: G. Nocentini (*Perugia*), G. Schettini (*Genova*)

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|---------|--|
| 8.30 am | GILZ and the new isoform L-GILZ mediate the anti-inflammatory effects of glucocorticoids
M. Coppo (<i>Perugia</i>) |
| 8.45 | The activity of rMCP-5 is modulated by palmitoylethanolamide via the regulation of microphthalmia-associated transcription factor
M. Cipriano (<i>Napoli</i>) |
| 9.00 | CR3294, a novel benzamidine derivative, reduces acute pancreatitis development in mice, by inhibition of iNOS expression
M. Galuppo (<i>Messina</i>) |
| 9.15 | PARP-1 inhibitors increase T regulatory (Treg) cell population in a mouse model of ovalbumin immunization
L. Cavone (<i>Firenze</i>) |
| 9.30 | In vitro and in vivo pharmacological activity of the nociceptin/orphanin FQ analog [Dmt¹]N/OFQ(1-13)NH₂
S. Molinari (<i>Ferrara</i>) |
| 9.45 | Microglia and neuropathic pain: molecular and cellular aspects
M. Barbierato (<i>Padova</i>) |
| 10.00 | Role of neuronal-satellite glial cell interactions in the modulation of trigeminal nociceptive transmission: relevance for migraine pathology
A. De Corato (<i>Roma</i>) |

THURSDAY, September 15, 2011

Sala Azzurra - 8.30–10.30 am

Symposium

YOUNG ITALIAN PHARMACOLOGISTS FACE THE FUTURE OF ALZHEIMER'S DISEASE TREATMENT

Chairpersons: F. Drago (*Catania*), S. Govoni (*Pavia*)

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|---------|---|
| 8.30 am | Alternative views on beta amyloid: a disease target or a cell neuromodulator at the edge between signalling and degeneration
C. Lanni, E. Mura (<i>Pavia</i>) |
| 8.50 | Specific neuromodulatory actions of beta-amyloid: novel mechanisms
M. Grilli (<i>Genova</i>) |
| 9.10 | The glutammatergic synapse in Alzheimer's disease
E. Marcello (<i>Milano</i>) |
| 9.30 | Rescue of TGF-β1 signaling pathway as a new strategy for neuroprotection in AD
F. Caraci (<i>Catania</i>) |
| 9.50 | Multitargeted design strategy for Alzheimer's drugs: focus on anticholinesterase and antiamyloid activities
M. Rosini (<i>Bologna</i>) |

(Educational support from Lundbeck Italia and Novartis Farma)

THURSDAY, September 15, 2011

Sala Ciano - 11.00 am – 1.00 pm

Symposium

TOWARDS A SAFER ANTI-INFLAMMATORY THERAPY: WHERE DO WE STAND AT THE BEGINNING OF THE THIRD MILLENNIUM?

Chairpersons: P. L. Canonico (*Novara*), M. A. Sortino (*Catania*)

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|----------|---|
| 11.00 am | NSAID-associated symptoms and lesions of the upper gastrointestinal tract
C. Blandizzi (<i>Pisa</i>) |
| 11.30 | Lower gastrointestinal tract: a forgotten site of NSAID-induced damage
C. Scarpignato (<i>Parma</i>) |
| 12.00 | NSAIDs, COX inhibition, and cardio-renal toxicity in old age: challenging entrenched dogmas
A.A. Mangoni, M.A. Crilly, K.M. Knights (<i>Aberdeen, Adelaide</i>) |
| 12.30 | NSAIDs and coxibs: their current place in the anti-inflammatory therapy
L. Di Matteo (<i>Pescara</i>) |

(Educational support from Pfizer Italia)

THURSDAY, September 15, 2011

Sala Italia - 11.00-11.30 am

Lecture

Introduced by: E. Mini (Firenze)

11.00 am NEW DRUGS FOR RARE DISEASES
P. L. Zinzani (Bologna)

(Educational support from Takeda Italia Farmaceutici)

THURSDAY, September 15, 2011

Sala Italia- 11.30 am - 0.30 pm

Mini-Symposium

DABIGATRAN ETEXILATE, A NOVEL, REVERSIBLE, ORAL DIRECT THROMBIN INHIBITOR:
PRECLINICAL PROFILE AND CLINICAL EVIDENCE

Chairpersons: A. Corsini (*Milano*), F. Scaglione (*Milano*)

11.30 am **Preclinical profilet of Dabigatran**
 J. Van Ryn (*Biberach*)

11.55 **Clinical evidences on Dabigatran**
 M. G. Franzosi (*Milano*)

(Educational support from Boehringer-Ingelheim Italia)

THURSDAY, September 15, 2011

Sala Italia - 0,30 pm -1.00 pm

Lecture

Introduced by: C. Riccardi (*Perugia*)

12.30 am NEW THERAPEUTIC APPROACHES IN OVARIAN CANCER
S. Pignata (*Napoli*)

(Educational support from Roche)

THURSDAY, September 15, 2011

Sala Bianca - 11.00 am – 1.00 pm

Symposium

GLAUCOMA: PRESSURE OR PROTECTION

Chairperson: F. Drago (*Catania*)

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|----------|--|
| 11.00 am | Brain involvement in glaucoma
C. Nucci (<i>Roma</i>) |
| 11.30 | The role of autophagy in retinal ganglion cell death: new perspectives for retinal neuroprotection
R. Russo (<i>Rende</i>) |
| 12.00 | Cannabinoid and prostanoid receptors: contractile action on the human ciliary muscle
M. D. Lograno (<i>Bari</i>) |
| 12.30 | Nitric oxide and carbon monoxide: implications for glaucoma therapy
C. Bucolo (<i>Catania</i>) |

THURSDAY, September 15, 2011

Sala Magenta A – 11.00 am – 1.00 pm

Symposium

BASIC RESEARCH FOR DRUGABLE TARGETS DISCOVERY AND CELL THERAPY OF PAIN

Chairpersons: L. Negri (*Roma*), P. Sacerdote (*Milano*)

- 11.00 am **Autophagy in experimental models of pain**
L. Berliocchi, R. Russo, M. Maiarù, M.T. Corasaniti (*Catanzaro, Cosenza*)
- 11.15 **Involvement of Alpha7 nAChR downregulation in rat oxaliplatin-induced neuropathy**
L. Di Cesare Mannelli, M. Zanardelli, A. Pacini, C. Ghelardini (*Firenze*)
- 11.30 **Neuropeptidergic systems and neuropathic pain: insights from gene expression and epigenetics**
M. Di Benedetto, D. Mercatelli, C. D'Addario, M. Canossa, P. Romualdi, S. Candeletti (*Bologna*)
- 11.45 **Metabotropic glutamate receptors as targets for drugs of potential use in chronic pain conditions**
S. Chiechio (*Catania*)
- 12.00 **Prokineticin receptor antagonists: novel antihyperalgesic and antiinflammatory drugs**
R. Lattanzi, D. Maftei, G. Balboni, S. Salvadori, L. Negri (*Roma, Cagliari, Ferrara*)
- 12.15 **Toll like receptors in pathological pain: new potential pharmacological targets?**
F. Comelli, B. Costa (*Milano*)
- 12.30 **A1 adenosine receptor regulate ATP-mediated microglial activation in vivo and in vitro: role in the spinal neuronal plasticity in neuropathic mice**
L. Luongo, F. Guida, C. Giordano, D. Siniscalco, L. Gatta, E. Palazzo, V. de Novellis, F. Rossi, S. Maione (*Napoli*)
- 12.45 **Stem cells: a new pharmacological approach to treat neuropathic pain symptoms**
S. Franchi (*Milano*)

THURSDAY, September 15, 2011

Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

XV National Seminar of PhD Students in Pharmacology and Related Sciences

PhD Poster Session I

RECEPTOR AND SIGNAL TRANSDUCTION MECHANISMS, ION CHANNELS AND TRANSPORT MECHANISMS, PHARMACOLOGICAL CONTROL OF CELL DEATH AND PROLIFERATION, CARDIOVASCULAR PHARMACOLOGY, PHARMACOLOGY OF THE NERVOUS SYSTEM

Poster Commission Members: R. Fantozzi (*Torino*), P. Hrelia (*Bologna*), S. Sigala (*Brescia*)

- D-1/1 **The recently identified P2Y-like receptor GPR17 modulates potassium currents in cultured oligodendrocyte progenitor cells**
G. Maraula (*Firenze*)
- D-1/2 **Quercetin interaction with vascular smooth muscle Ca_v1.2 channels**
P. Mugnai (*Siena*)
- D-1/3 **Molecular mechanisms involved in antiproliferative effects induced by two dibenzocyclooctadiene lignans isolated from *Schisandra chinensis* in human cancer cells**
A. Forgiarini (*Padova*)
- D-1/4 **Antioxidant activity of *Casimiroa edulis* extracts and *Croton lechleri* sap using ORAC and DPPH assays: a comparative study**
Z. Chen (*Padova*)
- D-1/5 **Melanoma development and progression: the role of mitochondria**
D. Cazzato (*Milano*)
- D-1/6 **Genistein protection in LHON disease: study of molecular mechanism in cybrid cell models**
D. Catanzaro (*Padova*)
- D-1/7 **Melanoma heterogeneity and its role in tumour-associated macrophages differentiation**
E. Assi (*Milano*)
- D-1/8 **PKG is the new regulator of Drp1 function**
R. Corradino (*Catanzaro*)
- D-1/9 **Role of chemokines in tuberous sclerosis and lymphangioleiomyomatosis**
E. Orpianesi (*Milano*)

- D-1/10 **Adult mouse post mortem neural precursors differentiation depends from EPO and require mTOR**
F. Messaggio (*Milano*)
- D-1/11 **Adult mouse post mortem neural precursors regenerate neuronal tissue and promote functional recovery after transplantation in a spinal cord injury model**
A. Raspa (*Milano*)
- D-1/12 **Role of L-cysteine/hydrogen sulphide (H2S) pathway in the beneficial effect of ACE-inhibitor zofenopril on vascular function**
A. Cantalupo (*Napoli*)
- D-1/13 **Comparative antioxidant assessment of plant-derived compounds**
R. Bertin (*Padova*)
- D-1/14 **Anatomical and morphological characterization of murine left atrium: a tool to model human disease**
L. Castiglioni (*Milano*)
- D-1/15 **Pharmacological and genetic modulation of macrophage reverse cholesterol transport**
D. Greco (*Parma*)
- D-1/16 **Chronic nitric oxide deprivation induces hypoxia inducible factor-1 α stabilization in human endothelial cells**
E. Cappellini (*Milano*)
- D-1/17 **Discovery of novel vascular active agents from selected vietnamese medicinal plants**
M. Durante (*Siena*)
- D-1/18 **Antioxidant role of prostacyclin in human umbilical vein endothelial cells (HUVEC) from healthy and diabetic women in response to IL-1 β**
E. Marcantoni (*Chieti*)
- D-1/19 **Inhibitors of endocannabinoid inactivation counteract behavioural alterations induced by acute phencyclidine in rats through multiple mechanisms**
E. Zamberletti (*Busto Arsizio*)
- D-1/20 **Role of microglia and astrocytes in inflammatory processes involved in neurological and psychiatric diseases, with emphasis on the purinergic receptor P2X7**
L. Facci (*Vicenza*)
- D-1/21 **Neuroprotective effects of the natural compound curcumin and its natural-like derivatives on PC12 cells**
D. Farina (*Sassari*)
- D-1/22 **Protein translation inhibition impairs long term memory**
D. Lana (*Firenze*)
- D-1/23 **Development of nanostructured neurosensors for real-time**

monitoring of brain energy metabolism

A. Biosa (*Sassari*)

- D-1/24 **Herpes Simplex virus type-1 infection of the enteric nervous system leads to gut neuroanatomical and neurochemical abnormalities**

M. Qesari (*Padova*)

- D-1/25 **Estrogens-independent effect of melatonin on adult hippocampal neurogenesis in mice**

R. Crupi (*Messina*)

- D-1/26 **Atypical regulation of glutamate release by endocannabinoids in rat cortical astrocytes**

F. Giribaldi (*Genova*)

THURSDAY, September 15, 2011

Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session I

RECEPTOR AND SIGNAL TRANSDUCTION MECHANISMS

Poster Commission Members: P. A. Borea (*Ferrara*), M. C. Breschi (*Pisa*), G. Maura (*Genova*)

- P-1/1 **Cannabinoid CB₂ receptor modulates microglial cell activation: Role of ERK-1/2 kinase signaling**
S. Merighi, S. Gessi, K. Varani, D. Fazzi, A. Stefanelli, P. Mirandola, P. A. Borea (*Ferrara, Parma*)
- P-1/2 **HIF-1 neuroprotection through erythropoietin increase in hypoxia: a role for A₁ adenosine receptors**
S. Gessi, S. Merighi, A. Stefanelli, D. Fazzi, K. Varani, P. A. Borea (*Ferrara*)
- P-1/3 **Impaired long-term synaptic plasticity in the hippocampus of mice heterozygous for insulin receptor**
S. Piccinini, S. Middei, N. Mercuri, M. D'Amelio, R. Nisticò (*Roma, Cosenza*)
- P-1/4 **Pharmacological blockade of mGlu2/3 receptors amplifies the sensitivity of colorectal cancer stem cells to standard chemotherapy**
P. Mosillo, P. Spinsanti, F. Serone, F. Azzollini, L. Cinque, B. Turriziani, I. Cappuccio, G. Battaglia, L. Ricci Vitiani, F. Nicoletti, D. Melchiorri (*Roma, Pavia, Pozzilli*)
- P-1/5 **Type-3 metabotropic glutamate receptor blockade enables the cytotoxic activity of temozolomide on human glioma stem cells**
C. Ciceroni, M. Bonelli, E. Mastrantoni, C. Niccolini, M. Laurenza, A. Traficante, P. Spinsanti, L. Ricci-Vitiani, A. Arcella, R. De Maria, F. Stocchi, F. Nicoletti, G. Battaglia, D. Melchiorri (*Roma, Pozzilli*)
- P-1/6 **Role of annexin A1 in mouse myoblast cell differentiation**
V. Bizzarro, B. Fontanella, S. Franceschelli, M. Pirozzi, H. Christian, L. Parente, A. Petrella (*Salerno, Napoli, Oxford*)
- P-1/7 **The α7 nicotinic acetylcholine receptor subunit CHRNA7 and its duplicate form (CHRFAM7A) in the innate immune system's inflammatory response: friend or foe?**
V. Alari, F. Giordano, C. Gotti, F. Clementi, F. Fornasari, R. Benfante (*Milano*)
- P-1/8 **NO-cGMP pathway controls network activity in dissociated cortical neurons coupled to Micro-Electrode Arrays**
C. Cervetto, M.T. Tedesco, M. Chiappalone, M. Marcoli, G. Maura, S. Martinoia (*Genova*)

- P-1/9 **Farnesoid-X-receptor (FXR) agonist INT-747 restores hepatic DDAH activity after ischemia/reperfusion injury**
A. Bianchi, A. Ferrigno, V. Rizzo, P. Richelmi, M. Vairetti (*Pavia*)
- P-1/10 **Microsomal Prostaglandin E synthase-1 modulates the EGFR-mediated tumor growth**
F. Finetti, E. Terzuoli, A. Giachetti, M. Ziche, S. Donnini (*Siena*)
- P-1/11 **Specification of skeletal muscle differentiation by Rest/NRSF-regulated Kv7.4 potassium channels**
F. A. Iannotti, V. Barrese, L. Formisano, M. Taglialatela (*Campobasso, Napoli, Benevento*)
- P-1/12 **Cochlear cells: P2X₇ receptor is a candidate for regulation of glutamate release**
M. C. Mazzotta, S. Alloisio, C. Cervetto, R. Barbieri, D. Frattaroli, M. Marcoli, G. Maura, M. Nobile (*Genova*)
- P-1/13 **Inhibition of RhoA activation in human bronchial smooth muscle cells: novel insights into the molecular mechanism of salbutamol action**
S. Fogli, L. Mattii, F. Stefanelli, B. Battolla, C. Segnani, M.C. Breschi (*Pisa*)
- P-1/14 **A functional cross-talk between cannabinoid CB1 and muscarinic M3 receptors increases the contractile responses of the bovine ciliary muscle**
M.R. Romano, M.D. Lograno (*Bari*)
- P-1/15 **Neuron-glia cross-talk: pharmacological and biotechnological strategies to identify novel therapeutic targets for neuropathic pain**
G. Vincelli, A. Bedini, S. Spampinato (*Bologna*)
- P-1/16 **Angiotensin-II modulates skeletal muscle chloride channel conductance via AT-1 receptor and activation of proteinkinase C and reactive oxygen species signaling pathways: insight into strategies to contrast inflammation-related alterations in dystrophic myopathies**
A. Cozzoli, B. Nico, V. Sblendorio, R.F. Capogrosso, V. Longo, S. Gagliardi, M. Montagnani, A. De Luca (*Bari*)
- P-1/17 **Biotechnological and pharmacological *in vitro* approaches unveil the role of GPR17 signaling in regulating the timing of oligodendroglial differentiation**
M. Fumagalli, S. Daniele, C. Parravicini, D. Lecca, E. Bonfanti, P.R. Lee, R.D. Fields, P. Rosa, C. Verderio, M.L. Trincavelli, C. Martini, M.P. Abbracchio (*Milano, Pisa, Bethesda, Maryland*)
- P-1/18 **Single-molecule analysis of G protein-coupled receptors localization and clustering on the cell membrane using the photo-activated localization microscopy (PALM)**
M. Scarselli, P. Annibale, A. Radenovic (*Lausanne*)

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Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session II

ION CHANNELS AND TRANSPORT MECHANISMS, PHARMACOLOGY OF SYNAPTIC TRANSMISSION

Poster Commission Members: S. Amoroso (*Ancona*), S. Spampinato (*Bologna*), D. Tricarico (*Bari*)

- P-2/1 **CLC-K kidney chloride channels as drug target for hypertension: effects of acute *in vivo* administration to rats of newly synthesized inhibitors**
A. Liantonio, G. Gramegna, G.M. Camerino, M.M. Dinardo, G. Procino, D.R. Lasorsa, L. Mastrofrancesco, A. Laghezza, G. Fracchiolla, F. Loiodice, M.G. Perrone, A. Lopedota, S. Conte, R. Penza, G. Valenti, M. Svelto, D. Conte Camerino (*Bari*)
- P-2/2 **Functional expression and subcellular localization of f-channels in native human and hESC-derived cardiomyocytes**
M. Del Lungo, L. Sartiani, V. Spinelli, A. Bosman, A. Mugelli, M. Jaconi, E. Cerbai (*Firenze, Geneve*)
- P-2/3 **Plasma membrane modifications by hydrophobic anions and GABA_A receptor antagonism**
M. Chisari, K. Wu, C. Zorumski, S. Mennerick (*St. Louis USA*)
- P-2/4 **Involvement of both plasma membrane sodium calcium exchanger (NCX) and sodium dependent glutamate transporters in cell energy production**
P. Castaldo, S. Magi, V. Lariccia, A.A. Nasti, S. Arcangeli, S. Amoroso (*Ancona*)
- P-2/5 **Alteration of the sodium/calcium exchanger 1 during LPS-induced hypertrophic response in adult cardiomyocytes**
V. Lariccia, A.A. Nasti, S. Magi, C.A. Violet, F. Pettinari, S. Amoroso (*Ancona*)
- P-2/6 **Biophysical and pharmacological characterization of skeletal muscle F167L and G190S hCIC-1 mutations responsible for myotonia congenita**
G. Gramegna, J.-F. Desaphy, M.M. Dinardo, A. Modoni, E.M. Valente, M. Lo Monaco, D. Conte Camerino (*Bari, Roma, Roma, Messina*)
- P-2/7 **Alteration of sarcolemmal ion channels in fast and slow twitch muscle disuse induced by actual and simulated microgravity**
G.M. Camerino, J.-F. Desaphy, S. Pierno, D. Tricarico, A. Scaramuzzi, R. Betto, S. Schiaffino, D. Conte Camerino (*Bari, Padova*)
- P-2/8 **Gating currents from neuronal Kv7 channels carrying BFNS-causing mutations in the S₄ segment of the Voltage Sensing**

Domain

F. Miceli, E. Vargas, M.R. Cilio, F. Bezanilla, M. Taglialatela (*Napoli, Roma, Chicago, Campobasso*)

- P-2/9 **Modifying the lipophilicity of mexiletine and tocainide derivatives to ameliorate voltage-gated sodium channels blockade**
J-F. Desaphy, R. Carbonara, T. Costanza, F. Corbo, G. Lentini, C. Franchini, D. Conte Camerino (*Bari*)
- P-2/10 **Defining the role of PKC-theta in the modulation of ClC-1 chloride channel conductance and calcium homeostasis in fast and slow skeletal muscles by using PKC-theta null mice**
S. Pierno, A. Liantonio, G.M. Camerino, A. Scaramuzzi, M.M. Dinardo, M. De Bellis, C. Digennaro, L. Madaro, M. Bouchè, J-F. Desaphy, D. Conte Camerino (*Bari, Roma*)
- P-2/11 **Toward the development of dually acting sodium channel blockers and anti-oxidant compounds with wider therapeutic application in neuromuscular disorders: effects of newly synthesized pyrroline derivatives of mexiletine**
M. De Bellis, V. Sblendorio, A. Carocci, M.M. Cavalluzzi, G. Lentini, C. Franchini, A. De Luca, D. Conte Camerino (*Bari*)
- P-2/12 **Kynurenic acid, by targeting $\alpha 7$ nicotinic acetylcholine receptors, modulates extracellular glutamate and GABA levels in the rat striatum in vivo**
S. Beggiato, L. Ferraro, S. Tanganello, MC. Tomasini, T. Antonelli, K. Fuxe, HQ. Wu, R. Schwarcz (*Ferrara*)
- P-2/13 **Glycine release provoked by "disturbed" ionic homeostasis in cerebellar nerve endings**
C. Romei, L. Raiteri (*Genova*)
- P-2/14 **Synaptic action of acute behavioural stress and corticosterone: effect on the readily releasable pool of vesicles in prefrontal/frontal cortex**
G. Treccani, L. Musazzi, M. Milanese, A. Mallei, C. Perego, A. Corbelli, A. Villa, G. Racagni, G. Bonanno, M. Popoli (*Milano, Genova*)
- P-2/15 **Modulation of kainate receptors by extracellular cGMP**
D. Frattaroli, M.C. Mazzotta, C. Cervetto, M. Passalacqua, G. Maura, M. Marcoli (*Genova*)

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Poster Area

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Poster Session III

PHARMACOLOGICAL CONTROL OF CELL DEATH AND PROLIFERATION

Poster Commission Members: R. Ciccarelli (*Chieti*), G. B. De Sarro (*Catanzaro*), L. Parente (*Salerno*), L. Vicentini (*Milano*)

- P-3/1 **Enhanced STAT3 phosphorylation is implicated in the neuroprotection afforded by leptin in rats subjected to permanent middle cerebral artery occlusion**
D. Amantea, F. Petrelli, R. Russo, G. Bagetta, MT. Corasaniti (*Rende, Catanzaro*)
- P-3/2 **Proapoptotic effect of tetradecylthioacetic acid (TTA) in anaplastic thyroid carcinoma cells (ARO): PPARs involvement**
G. Bianco, S. Marzocco, G. Autore (*Salerno*)
- P-3/3 **Effect of pro-apoptotic SMAC mimetic compounds in patients with rheumatoid arthritis**
D. Lattuada, C. Casnici, K. Crotta, O. Marelli (*Milano*)
- P-3/4 **The soy isoflavone genistein promotes muscle regeneration acting on cell cycle and apoptosis in *mdx* mice**
A. Bitto, D. Altavilla, S. Messina, F. Polito, N. Irrera, H. Marini, F. Squadrito (*Messina*)
- P-3/5 **Triggering apoptosis in human malignant glioblastoma cells by xanthohumol**
M. Festa, C. W. D'Acunto, A. G. Rossi, C. Pizza, S. Piacente, A. Capasso (*Salerno, Edimburgo*)
- P-3/6 **Glucocorticoid-induced activation of caspase-8 protects the glucocorticoid-induced protein Gilz from proteasomal degradation and induces its binding to SUMO-1 in murine thymocytes**
S. Pierangeli, N. Pozzesi, S. Spinicelli, C. Riccardi, D. Delfino (*Perugia, Roma*)
- P-3/7 **Role of Acid Sphingomyelinase in melanoma development and progression**
L. Bizzozero, D. Cazzato, E. Assi, D. Cervia, C. Verdelli, E. Clementi, C. Perrotta (*Milano, Viterbo*)
- P-3/8 **Effects of budesonide on p38 MAPK activation, apoptosis and IL-8 secretion, induced by TNF- α and *Haemophilus influenzae* in human bronchial epithelial cells**
L. Gallelli, D. Falcone, G. Pelaia, R. Savino, R. Maselli, G. De Sarro (*Catanzaro*)
- P-3/9 **Autophagy as a new therapeutic target in Duchenne muscular**

dystrophy

S. Cheli, C. De Palma, S. Carnio, M. Sandri, E. Clementi (*Milano, Padova*)

- P-3/10 **Discovery of a drug-resistant slow-cycling population from a melanoma cell line C8161**
E. Mastrantoni, S. Chen, D. Melchiorri (*Roma, Piscataway*)
- P-3/11 **New perspective in chemoresistance: nitric oxide, acid sphingomyelinase and syntaxin 4 in glioma and macrophages interaction**
C. Perrotta, E. Assi, L. Bizzozzero, D. Cazzato, L. Campana, P. Rovere-Querini, E. Gulbins, E. Clementi (*Milano, Essen*)
- P-3/12 **Mitochondria, autophagy and nitric oxide are correlated and control myogenesis**
C. De Palma, S. Pisoni, S. Pambianco, S. Falcone, L. Scorrano, M. Sandri, E. Clementi (*Milano, Parigi, Ginevra, Padova*)
- P-3/13 **“Oxidative stress and metabolic reprogramming”: study of pharmacological targets in cellular models of mitochondrial disease**
M. Montopoli, D. Catanzaro, E. Perli, E. Ragazzi, G. Froldi, C. Giordano, L. Caparrotta (*Padova, Roma*)
- P-3/14 **Δ⁹-THC and cannabidiol impaired antioxidant cellular status and induced oxidative stress and lipoperoxidation in DBTRG-05MG glioblastoma cell line**
D. Cerretani, A.I. Fiaschi, G.G. Franchi, G. Fiore (*Siena*)
- P-3/15 **NEMO-binding domain peptide induces apoptosis of human melanoma cells lines by inhibiting NF-κB activation**
E. Panza, M. Tersigni, G. Belardo, M. Napolitano, P.A. Ascierto, G. Cirino, A. Ialenti, A. Ianaro (*Napoli*)
- P-3/16 **Annexin A1: a dual player in apoptosis and phagocytosis of human malignant glioblastoma cells**
M. Festa, C.W. D'Acunto, A.G. Rossi, M. Caputo, M.F. Tecce, C. Pizza, S. Piacente, A. Capasso (*Salerno, Edinburgh*)
- P-3/17 **A possible new treatment of atherosclerosis by nitric oxide and antioxidant hybrids: a study on smooth muscle cells**
L. Arnaboldi, E. Volpi, V. Nicolini, L. Lazzarato, M. Crosetti, R. Fruttero, A. Gasco, A. Corsini (*Milano, Torino*)
- P-3/18 **Cortagine, a selective CRH-R1 agonist, inhibits cell proliferation of human endometrial adenocarcinoma cells**
F. Miceli, A. Muzi, E. Cantalupo (*Roma*)
- P-3/19 **Constitutive gender-associated tissue differences of autophagic process**
I. Campesi, E. Straface, A. Galistu, S. Occhioni, L. Gambardella, W. Malorni, F. Franconi (*Sassari, Roma*)
- P-3/20 **Simvastatin modulates autophagy in neonatal hypoxia-ischemia**
S. Girelli, S. Carloni, G. Buonocore, M. Longini, W. Balduini (*Urbino, Siena*)
- P-3/21 **Effect of the stimulation of ATP P2 receptors on the**

proliferation of human brain cancer stem cells

A. Lannutti, I. D'Alimonte, E. Nargi, E. Torelli, N. Petragnani, L. Ricci-Vitiani, R. De Maria, F. Caciagli, R. Ciccarelli (*Chieti, Roma*)

- P-3/22 **Inhibition of rapamycin-induced autophagy causes necrotic cell death associated with Bax/Bad mitochondrial translocation**
S. Carloni, S. Girelli, G. Buonocore, M. Longini, F. Proietti, W. Balduini (*Urbino, Siena*)
- P-3/23 **Evidences for neuroprotective effect of bergamot juice in an *in vitro* model of experimental Parkinson's disease**
G. Lo Surdo, E. Trapasso, M.R. Ursino, G. Calapai, M. Navarra (*Messina*)
- P-3/24 **A moderate decline in U937 cell GSH levels triggers PI3kinase/Akt-dependent bad phosphorylation, thereby preventing an otherwise prompt apoptotic response**
L. Cerioni, M. Fiorani, C. Azzolini, O. Cantoni (*Urbino*)

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Poster Area

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Poster Session IV

CARDIOVASCULAR PHARMACOLOGY

Poster Commission Members: A. Corsini (*Milano*), F. Bernini (*Parma*), A. Ialenti (*Napoli*), M. Ziche (*Siena*)

- P-4/1 **Involvement of Kv7 potassium channels in the effects of hydrogen sulphide on vascular smooth muscle**
A. Martelli, L. Testai, A. Arcipreti, MC. Breschi, V. Calderone (*Pisa*)
- P-4/2 **Aliskiren reduces prorenin receptor expression and activity in cultured human aortic smooth muscle cells**
FN. Ferri, GC. Greco, M. G. Maiocchi, C. A. Corsini (*Milano, Origgio*)
- P-4/3 **Acute myocardial infarct in streptozotocin-induced hyperglycemic rats: protection from CORM-3**
C. Di Filippo, M. Perretti, F. Rossi, R. Motterlini, M. D'Amico (*Napoli, Londra, Harrow*)
- P-4/4 **Reversible inhibition of vasoconstriction by glitazones (thiazolidinediones) related to PI3K/Akt inhibition in vascular smooth muscle cells**
I. Siarkos, T. Sinagra, A. Tamburella, V. Urso, F. Drago, S. Salomone (*Catania*)
- P-4/5 **Cardiovascular effects of a new no-releasing coxib derivative**
A. Arcipreti, A. Martelli, L. Testai, M. C. Breschi, M. Anzini, A. Di Capua, M. Biava, S. Alfonso, C. Ghelardini, A. Giordani, L. Rovati, V. Calderone (*Pisa, Siena, Roma, Firenze, Monza*)
- P-4/6 **Different metabolic routes exhibited by the nitrooxy-alkyl chain of NO-naproxene and a new NO-releasing coxib derivative**
V. Calderone, A. Martelli, L. Testai, A. Arcipreti, M. Anzini, A. Di Capua, M. Biava, C. Battilocchio, C. Ghelardini, A. Giordani, L. Rovati, MC. Breschi (*Pisa, Siena, Roma, Firenze, Monza*)
- P-4/7 **Cholesterol efflux potential of sera after treatment with niacin extended-release or fenofibrate**
E. Favari, M.P. Adorni, F. Zimetti, K. Coutant, E.J. Niesor, R. Benghozi, F. Bernini (*Parma, Basilea*)
- P-4/8 **Pharmacological properties of *Casimiroa* spp. extracts and isolated phenolic compounds: vasorelaxation and antioxidant effects**
R. Bertin, M. Montopoli, L. Soldà, M. Martínez-Vázquez, A. García-Argaéz, L. Caparrotta, G. Froldi (*Padova, Coyoacán*)
- P-4/9 **Attenuation of lung protein synthesis in patients with chronic**

heart failure on beta-blocker therapy

M. Verri, R. Aquilani, AI. Bongiorno, M. Dossena, M. T. La Rovere, O. Pastorini (*Pavia, Montescano*)

P-4/10

IL-17A increases ADP-induced platelet aggregation

F. Maione, A. Parisi, E. Liverani, M. Perretti, F. D'Acquisto, N. Mascolo, C. Cicala (*Napoli, London*)

P-4/11

Modulation of cellular cholesterol efflux pathways by different probucol-like analogues

M.P. Adorni, E. Favari, R. Stocker, F. Bernini (*Parma, Sydney*)

P-4/12

Effect of the cholesterol-lowering compound berberine on ABCA1 and ABCG1-mediated cholesterol efflux from macrophages

F. Zimetti, E. Favari, M.P. Adorni, M. Gomaraschi, F. Bernini (*Parma, Milano*)

P-4/13

Evidence for a pro-thrombotic effect of interleukin-17A (IL-17A)

A. Parisi, F. Maione, F. D'Acquisto, N. Mascolo, C. Cicala (*Napoli, London*)

P-4/14

Propionyl-L-carnitine enhances skin flap survival in rat

P. Lo Giudice, A. De Rosa, F. Borsini (*Pomezia*)

P-4/15

Effect of bindarit, a MCPs synthesis inhibitor, on mesangial cell dysfunction

S. Paccosi, C. Musilli, A. Mugelli, A. Guglielmotti, A. Parenti (*Firenze, Roma*)

P-4/16

Neointimal hyperplasia is inhibited by the I κ B-kinase inhibitor, NEMO-binding Domain Peptide in apoE-/- mice

M.V. Di Lauro, G. Grassia, M. Maddaluno, C. Musilli, D. De Stefano, R. Carnuccio, A. Ianaro, P. Maffia, A. Parenti, A. Ialenti (*Napoli, Firenze, Napoli, Glasgow*)

P-4/17

Green tea epigallocatechin affects COX1-1-mediated prostacyclin production by endothelium

A. Toniolo (*Padova*)

P-4/18

Metal NONOates as new drugs for cardiovascular diseases: the Noxamet Srl experience

M. Monti, M. Ziche, E. Monzani, L. Casella, L. Morbidelli (*Siena, Pavia*)

P-4/19

Nitric Oxide-donating statins decrease polymorphonuclear-mediated acute vascular inflammation in normocholesterolemic rabbits

R. Baetta, A. Granata, D. Miglietta, D. Dellavecchia, L. Arnaboldi, P. Pfister, A. Corsini (*Milano, Bresso, Milano, Sophia Antipolis*)

P-4/20

Treatment with low-dose selective estrogen receptor α agonist is associated with heart and vascular protection in the absence of uterotrophic action

C. Bolego, G. Rossoni, C. Pinna, E. Vegezo, G.P. Fadini, R.M. Gaion, A. Cignarella (*Padova, Milano, Padova*)

P-4/21

Cytoskeleton and cyclooxygenase-2 expression in human endothelial cells: autocrine modulation by prostacyclin

- S. Eligini, V. Cavalca, P. Songia, M. Crisci, E. Tremoli, S. Colli (*Milano*)
- P-4/22 **Induction of human coronary smooth muscle cell proliferation by monocyte chemotactic protein-3**
M. Maddaluno, M.V. Di Lauro, A. Di Pascale, R. Santamaria, A. Guglielmotti, G. Grassia, A. Ialenti (*Napoli, Roma*)
- P-4/23 **Role of mitochondrial BK potassium channels in the cardioprotective effects of flavonoids against ischemia/reperfusion injury**
L. Testai, A. Martelli, A. Arcipreti, M.C. Breschi, V. Calderone (*Pisa*)
- P-4/24 **New tools for the study of cGMP dependent functions: validation in VEGF induced permeability and angiogenesis**
L. Morbidelli, M. Monti, R. Solito, F. Finetti, A. Papapetropoulos, M. Ziche (*Siena, Patras*)
- P-4/25 **Carotid diameter improves the carotid IMT capacity to predict coronary events: data from the IMPROVE study**
M. Amato, F. Veglia, E. Tremoli, A. Ravani, D. Sansaro, C. Tedesco, F. Bovis, B. Frigerio, S. Castelnovo, D. Baldassarre (*Milano*)
- P-4/26 **The fastest progression of carotid intima media thickness is associated with increased vascular events in the IMPROVE study**
D. Baldassarre, F. Veglia, M. Amato, A. Ravani, D. Sansaro, C. Tedesco, F. Bovis, B. Frigerio, S. Castelnovo, E. Tremoli (*Milano*)
- P-4/27 **Nitric oxide compensates for the COX-dependent vascular effects of cyclooxygenase inhibitors**
C. Storini, C. De Nardi, M. Bolla, J. Padron, D. Miglietta (*Milano*)
- P-4/28 **A short term administration of cyclosporine a to mice inhibits the reverse cholesterol transport from macrophages**
I. Zanotti, G. Stomeo, D. Greco, G. Lusardi, F. Zimetti, F. Potì, F. Bernini (*Parma, Modena*)
- P-4/29 **Niacin extended-release and fenofibrate improve HDL ability to preserve endothelial cell homeostasis: results from the HiFun study**
M. Gomaraschi, S. Pozzi, K. Coutant, S. Rossomano, F. Lamour, R. Benghozi, G. Franceschini, L. Calabresi (*Milano, Basel*)
- P-4/30 **Tissue iron accumulation is strictly involved in pathological events occurring in SHRSP**
P. Gelosa, A. Pignieri, U. Guerrini, E. Tremoli, L. Sironi (*Milano*)
- P-4/31 **Hydrogen sulphide enhances human platelet aggregation through PLA₂ activation**
E. Mitidieri, R. d'Emmanuele di Villa Bianca N. Kirkby, G. Cirino, R. Sorrentino, T.D. Warner (*Napoli, London*)
- P-4/32 **Rosuvastatin improves endothelial dysfunction and wall remodeling of resistance arteries in rats with angiotensin II-induced hypertension**
I. Rugani, A. Virdis, R. Colucci, L. Antonioli, M. Fornai, E. Duranti, N. Bernardini, C. Blandizzi, S. Taddei (*Pisa*)
- P-4/33 **Characterization of dendritic cells in obese and diabetic**

patients

A. Parenti, S. Paccosi, C. Musilli, L. Pala, C.M. Rotella, A. Mugelli
(Firenze)

- P-4/34 **SolCD39, a recombinant form of membrane ecto-ATPase E-NTPDase1/CD39, may offer a new pharmacologic/therapeutic approach to ischemic heart disease**
F. Corti, K.E. Olson, A.J. Marcus, M. Ziche, R. Levi (*Siena, New York*)
- P-4/35 **Bindarit reduces in-stent restenosis in porcine coronary arteries via the inhibition of MCP-1 production**
G. Grassia, A. Guglielmotti, M. Maddaluno, M.V. Di Lauro, P. Gordon, P. Maffia, S. Kennedy, A. Ialenti (*Napoli, Roma, Glasgow*)
- P-4/36 **Inflammation and acute coronary syndromes: more pieces to the puzzle?**
S. Costantino, L.P. Ciuffreda, R. Russo, E. D'Aiuto, P. Cirillo, G. Petrillo, G. Cimmino, R. De Palma, P. Golino, F. Rossi, L. Berrino (*Napoli*)
- P-4/37 **Effects of nuts consumption on blood lipids: a meta-analysis**
T. Arcoraci, M. Martorana, A. Saija, A. Tomaino (*Messina*)
- P-4/38 **Melanocortins acting at MC₄ receptors protect against multiple organ failure by counteracting the systemic inflammatory response**
M. Galantucci, A. Bitto, F. Polito, D. Altavilla, N. Irrera, D. Giuliani, A. Ottani, L. Minutoli, L. Spaccapelo, G. Guzzo, S. Guarini, F. Squadrito (*Modena, Messina*)
- P-4/39 **Multiple effects of chronic nitric oxide deprivation in human endothelial cells**
M.G. Cattaneo, E. Cappellini, R. Benfante, M. Ragni, E. Nisoli, N. Borgese, L.M. Vicentini (*Milano, Milano-Catanzaro*)
- P-4/40 **Molecular changes in rat liver during hemorrhagic shock and effects of melanocortin treatment**
C. Lonati, L. Spaccapelo, A. Sordi, A. Carlin, P. Leonardi, M. Galantucci, E. Ardimento, A. Ottani, D. Giuliani, S. Guarini, A. Catania (*Milano, Modena*)
- P-4/41 **Cardioprotective and anti-apoptotic effects of heme oxygenase-1 in post-ischemic remodelling**
R. Mastroianni, C. Lanzi, M. Fazi, N. Mugelli, M. Collino, A. Pini, E. Masini (*Firenze, Torino*)
- P-4/42 **Monoamine oxidase activity over activation and oxidative stress in human failing heart from ischemic diseases**
M.E. Manni, C. Nediani, G. d'Amati, C. Giordano, E. Bigagli, E. Cerbai, L. Raimondi (*Firenze, Roma*)
- P-4/43 **Zucher diabetic fatty rats with metabolic syndrome are protected from acute myocardial infarction by three weeks treatment with telmisartan**
L. Sodano, B. Rinaldi, C. Di Filippo, A. Capuano, M. Donniacuo, F. Ferraraccio, F. Rossi, M. D'Amico (*Naples*)
- P-4/44 **Nrf2 transcription factor modulates endothelial inflammatory**

response activated by TNF- α

A. Speciale, E. Ricciardi, S. Anwar, E. Giorgio, A. Saija, F. Cimino
(*Messina*)

- P-4/45 **Apocynin, a plant-derived drug, might be useful in the treatment of myocardial ischemia reperfusion injury in rat hearts**
R. Di Paola, E. Mazzon, I. Paterniti, D. Impellizzere, P. Bramanti, S. Cuzzocrea (*Messina*)
- P-4/46 **Effects of the proton pump inhibitor lansoprazole on the antiplatelet effect of naproxen in healthy subjects**
P. Anzellotti, M.L. Capone, S. Tacconelli, A. Bruno, V. Evangelista, P. Di Gregorio, P. Patrignani (*Chieti, Santa Maria Imbaro*)
- P-4/47 **Evaluation of Doxorubicin effects in human cardiac progenitor cells**
R. Russo, S. Costantino, A. De Angelis, G. Esposito, E. Migliaccio, E. Piegari, K. Urbanek, L. Berrino, F. Rossi (*Napoli*)

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Poster Session V (1)

PHARMACOLOGY OF THE NERVOUS SYSTEM I (PART 1)

Poster Commission Members: P. Popoli (*Roma*), M.A. Serra (*Cagliari*), F. Tascedda (*Modena*)

- P-5/1 **Demonstrating peripheral restriction of novel cannabinoid CB1 antagonist TM38837 by evaluating for expression of conditioned fear in mice**
V. Micale, PK. Nørregaard, CT. Wotjak (*Munich, Hørsholm*)
- P-5/2 **Effects of gestational all-trans retinoic acid treatment on the complex I of mitochondrial respiratory chain in the rat cerebellum**
D. Signorile, N. Sardaro, D. De Rrasmo, S. Papa, P. Borracci, M. R. Carratù (*Bari*)
- P-5/3 **F3/Contactin gene knockdown results in upregulation of the dopaminergic phenotype in the basal ganglia**
A. Massaro, A. Bizzoca, P. Corsi, M. Pinto, M. Persichella, A. Giustino, G. Gennarini, M. R. Carratù (*Bari*)
- P-5/4 **Role of functional polymorphisms and haplotypes of the serotonin transporter gene in Medication Overuse Headache**
S. Terrazzino, C. Tassorelli, G. Sances, M. Viana, G. Nappi, P. L. Canonico, A. A. Genazzani (*Novara, Pavia*)
- P-5/5 **Neuroprotective and antiamyloidogenic effect of Substance P by activation of α -secretase-mediated amyloid precursor protein cleavage**
R. Marolda, C. Petrella, M. T. Ciotti, R. Possenti, P. Calissano, C. Severini (*Roma*)
- P-5/6 **Chronic caffeine intake reduces the survival in a mice model of amyotrophic lateral sclerosis**
R. L. Potenza, A. Ferrante, M. Armida, A. Pezzola, A. Matteucci, P. Popoli (*Roma*)
- P-5/7 **Understanding β -Amyloid-induced toxicity by a chemical-biology approach**
M. Camarri, L. Terzuoli, T. Ferraro, G. Pollio, D. Diamanti, L. Magnoni, S. Bernocco, C. Scali, S. Rasmussen, H. B. Nielsen, A. R. Bilia, A. Karioti, L. Millucci, A. Caricasole, D. Franceschini (*Siena, Lyngby, Firenze*)
- P-5/8 **Viral vector delivery of mutant huntingtin as model of Huntington's disease in the rat: in vivo and in vitro study**
C. Scali, I. Ceccarelli, R. Remelli, D. Franceschini, L. Rossini, G. Pollio, M. Camarri, I. Biotti, A. Cappelli, V. Miragliotta, P. Fiengo, A. Caricasole, G. Gaviraghi (*Siena*)

- P-5/9 **RANTES-glutamate interaction in Central Nervous System: a glial to neuron cross-talk relevant to central neuroinflammation**
S. Di Prisco, M. Summa, V. Chellakudam, A. Pittaluga (*Genova*)
- P-5/10 **Salviae neoclerodane derivatives differently affect catecholamine release in mammals brains: comparison with salvinorin A**
G. Olivero, S. Di Prisco, M. Summa, E. Giacomelli, M. Grilli, A. Bisio, G. Romussi, M. Marchi, A. Pittaluga (*Genova*)
- P-5/11 **Selective blockade of mGlu5 metabotropic glutamate receptors is protective against hepatic mitochondrial dysfunction in 6-OHDA lesioned parkinsonian rats**
A. Ferrigno, MT. Armentero, V. Rizzo, A. Bianchi, G. Ambrosi, P. Richelmi, F. Blandini, M. Vairetti (*Pavia*)
- P-5/12 **Adult neural stem cells prevent L-dopa and dopamine autoxidation *in vitro***
G. Calia, V. Mazzarello, S. Dedola, G. Bazzu, R. Migheli, P.A. Serra, M.S. Desole, G. Rocchitta (*Sassari*)
- P-5/13 **The new FAAH inhibitor ST4070 (1-biphenyl-4-ylethenyl piperidine-1-carboxilate) reduced anxiety-like behavior in the elevated plus maze in young male rats**
S. Di Serio, V. Dainese, D. Guaraldi, M.G. Scrocco, A. Caprioli, F. Borsini (*Pomezia - Roma*)
- P-5/14 **Natural-like curcumin derivatives protect PC12 cells against Mn, MPP⁺ and H₂O₂ damage**
S. Dedola, D. Fabbri, M.A. Dettori, G. Delogu, P. Ruzza, P.A. Serra, M.S. Desole, R. Migheli (*Sassari*)
- P-5/15 **Dual asymmetric-flow microdialysis for monitoring the effects of MPTP and d-amphetamine on striatal dopamine and energy metabolism in freely moving rats**
G. Bazzu, G. Calia, G. Rocchitta, R. Migheli, M.S. Desole, P.A. Serra (*Sassari*)
- P-5/16 **Palmitoylethanolamide exerts neuroprotective actions in a murine model of Parkinson's disease**
E. Esposito, E. Mazzon, I. Paterniti, S. Cuzzocrea (*Messina*)
- P-5/17 **Role of dorsal medial prefrontal cortex dopamine D1-family receptors in relapse to high-fat food seeking induced by the anxiogenic drug yohimbine**
C. Cifani, B.M. Navarre, S.G. Nair, C.L. Pickens, J. M. Bossert, Y. Shaham (*Baltimore*)
- P-5/18 **Effect of neuropeptide S receptor antagonists and partial agonists on highly palatable food consumption in rats**
C. Cifani, M. V. Micioni Di Bonaventura, N. Cannella, M. Ubaldi, R. Guerrini, G. Calò, M. Massi, R. Ciccioli (*Camerino, Ferrara*)
- P-5/19 **Cycles of food restriction increase the orexigenic effect of Nociceptin/Orphanin FQ (N/OFQ) and Neuropeptide Y (NPY) in female rats**
C. Cifani, M. V. Micioni di Bonaventura, M. Ubaldi, R. Ciccioli, M. Massi (*Camerino*)

- P-5/20 **Effect of the orexin receptors antagonists in a model of binge eating in female rats**
M. V. Micioni Di Bonaventura, C. Cifani, M. Corsi, D. Montanari, R. Ciccioli, M. Massi, E. Merlo-Pich, L. Piccoli (*Camerino, Verona*)
- P-5/21 **Effect of salidroside, active principle of *Rhodiola rosea* extract, on binge eating**
C. Cifani, M. V. Micioni Di Bonaventura, G. Vitale, V. Ruggieri, R. Ciccioli, M. Massi (*Camerino, Modena*)
- P-5/22 **Differential changes in CB1 receptor expression and regulation of GABAergic and glutamatergic functions in the striatum of Huntington's disease mice**
V. Chiodi, L. Ferraro, M. Uchigashima, A. Martire, S. Beggiato, M. Armida, A. Ferrante, R.L. Potenza, M. Watanabe, S. Tanganelli, M.R. Domenici, M. Popoli (*Roma, Ferrara, Sapporo*)
- P-5/23 **Effect of gender and age on risperidone plasma concentrations in pediatric patients with psychotic disorders**
C. D'Arrigo, V. Santoro, A. Gagliano, E. Germanò, R. Siracusano, E. Spina (*Messina*)
- P-5/24 **Low-frequency rTMS regulates emotional behaviour and dendritic plasticity in dentate gyrus**
R. Crupi, M. Cambiaghi, R. Hen, E. Spina, F. Battaglia (*Messina, Milano, New York*)
- P-5/25 **Electrophysiological effects of CHF5074 on rat hippocampus: protection against *in vitro* OGD**
D. Mango, M.B. Panico, V. Porrini, I. Sarnico, M. Pizzi, B.P. Imbimbo, N.B. Mercuri, R. Nisticò (*Roma, Brescia, Parma, Arcavacata di Rende*)
- P-5/26 **A microfluidic device for investigating biomolecular cascades between different CNS cell populations**
N. Tonna, F. Bianco, R. Lovchik, E. Delamarche, M. Matteoli (*Milano, Ruschlikon*)
- P-5/27 **Predictive role of the scavenger receptor CD36 in course of neurodegeneration in APP23 mice**
M. Giunta, M. Morbin, G. Giaccone, S.M. Bonomo, A.E. Rigamonti, S.G. Cellai (*Milano*)
- P-5/28 **Molecular mechanisms underlying melanocortin-induced neurogenesis following ischemic stroke**
L. Spaccapelo, M. Galantucci, A. Ottani, M. Contri, F. Cavallini, D. Zaffe, D. Giuliani, S. Guarini (*Modena*)
- P-5/29 **Direct evidence that melanocortin MC₄ receptor stimulation induces neuroprotection against ischemic stroke**
A. Ottani, A. Bitto, L. Spaccapelo, M. Galantucci, L. Minutoli, D. Altavilla, E. Novellino, P. Grieco, D. Zaffe, F. Squadrito, D. Giuliani, S. Guarini (*Modena, Messina, Napoli*)
- P-5/30 **Excessive and precocious glutamate release in the spinal cord of a mouse model of amyotrophic lateral sclerosis**
T. Bonifacino, M. Milanese, F. Onofri, L. Musazzi, D. Tardito, M. Messa, C. Usai, G. Racagni, F. Benfenati, M. Popoli, G. Bonanno (*Genova, Milano, New Haven*)

- P-5/31 **Intravenous mesenchymal stem cells improve survival and motor functions in symptomatic mutant SOD1/G93A mice**
M. Milanese, T. Bonifacino, F. Giribaldi, M.C. Principato, S. Morando, S. Casazza, D. Giunti, L. Vergani, E. Carminati, A. Uccelli, A. Voci, G. Bonanno (*Genova*)
- P-5/32 **Epigenetic modifications in transgenic mouse with human polymorphism (Val66Met) of BDNF gene**
S. Corna, A. Mallei, C. Benevento, D. Tardito, G. Racagni, F.S. Lee, M. Popoli (*Milano, New York*)
- p-5/33 **Reduction of SNAP-25 expression enhances evoked glutamatergic transmission and induces epileptiform activity associated with memory defects**
I. Corradini, F. Antonucci, A. Donzelli, S. De Astis, R. Martucci, D. Braida, C. Verderio, M. Sala, M. Matteoli (*Milano*)
- P-5/34 **Effects of chronic antidepressant treatments on expression of inflammatory biomarkers in the rat hypothalamus**
C. Montanari, S. Alboni, C. Benatti, F. Tascedda, N. Brunello (*Modena*)
- P-5/35 **Depression and epilepsy in a genetic animal model: pharmacology and hippocampal damage**
E. Russo, R. Citraro, F. Scicchitano, I. Perrotta, G. Donato, P. De Fazio, G. De Sarro (*Catanzaro, Cosenza*)
- P-5/36 **Central effects of a local inflammation on three commonly used mouse strains with a different anxious phenotype**
C. Benatti, S. Alboni, C. Montanari, F. Tascedda, N. Brunello, J. M. C. Blom (*Modena*)
- P-5/37 **Mesoangioblast-based supplementation of neurotrophic factors for the treatment of neuronal damage**
S. Zucchini, T. Su, A. Binaschi, B. Paradiso, R. Bovolenta, M. Barbieri, R. Scardigli, L. Fasulo, G. Cossu, A. Cattaneo, M. Simonato (*Ferrara, Roma, Milano*)
- P-5/38 **Preclinical antiepileptic and antiepileptogenic effects of alpha-lactoalbumin, a whey protein rich in tryptophan**
R. Citraro, S. De Fazio, F. Scicchitano, S. Chimirri, A. Urzino, M. Menniti, R. Marra, G. De Sarro, E. Russo (*Catanzaro*)
- P-5/39 **Effects of the continuous delivery of a potent NOP receptor antagonist, [Nphe¹, Arg¹⁴, Lys¹⁵] N/OFQ-NH₂ (UFP-101), on molecular, cellular and behavioral alterations in a chronic model of stress**
M. Filaferro, S. Zucchini, V. Ruggieri, G. Vitale, C. Novi, C. Cifani, M. Massi, M. Simonato (*Modena, Ferrara, Camerino*)
- P-5/40 **Topiramate in the treatment of obesity induced by psychotropic drugs in a patient with bipolar disorder: a case report**
W. Milano, M. De Rosa, L. Milano, G. Nolfe, C. Petrella, A. Capasso (*Napoli, Salerno*)
- P-5/41 **Serotonergic or dopaminergic pathways influence coping behavior in mice after neuroleptics treatment**

S. De Fazio, E. Russo, S. Gratteri, M. Aribitrio, G. Trombetta, E.
Donato Di Paola, G. De Sarro (*Catanzaro, Vibo Valentia*)

THURSDAY, September 15, 2011

Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session V (2)

PHARMACOLOGY OF THE NERVOUS SYSTEM (PART 2)

Poster Commission Members: G. U. Corsini (*Pisa*), A. Pittaluga (*Genova*), M. Pizzi (*Brescia*)

- P-5/42 **Neuroprotective effects of memantine and topiramate combined with hypothermia in hypoxic-ischemic neonatal brain injury**
E. Landucci, E. Gerace, T. Scartabelli, L. Filippi, G. la Marca, R. Guerrini, D. Pellegrini-Giampietro (*Firenze*)
- P-5/43 **Idiopathic hemifacial spasm responsive to zonisamide**
A. Siniscalchi, L. Gallelli, C. Palleria, A. Squillace, G. De Sarro (*Cosenza, Catanzaro*)
- P-5/44 **Preconditioning with NMDA and DHPG induces ischemic tolerance with differential mechanisms in an *in vitro* hippocampal slice model**
E. Gerace, E. Zianni, E. Landucci, F. Gardoni, T. Scartabelli, G. Mannaioni, F. Moroni, M. Di Luca, D. Pellegrini-Giampietro (*Firenze, Milano*)
- P-5/45 **Microglia-derived microvesicles convert A β 1-42 amyloid peptide from inert to neurotoxic**
C. Verderio, E. Turola, A. Bergami, G. Comi, G. Magnani, G. Martino, R. Furlan, M. Matteoli (*Milano*)
- P-5/46 **Glutamatergic alterations and mitochondrial impairment in a murine model of Alzheimer's disease**
A. Romano, T. Cassano, P. Dipasquale, S. Cianci, A. Petrella, S. Cimino, S. Gaetani, V. Cuomo (*Roma, Foggia, Bari*)
- P-5/47 **Role of the endocannabinoid system in a pharmacological model of absence epilepsy**
R. Colangeli, S. Cianci, R.T. Ngomba, J. Mairesse, S. Gaetani, V. Cuomo (*Roma, Bari, Pozzilli, Isernia, Lille*)
- P-5/48 **Functional antagonism between Nociceptin Orphanin FQ (N/OFQ) and Corticotropin-Releasing Factor (CRF) in anxiety-related behaviour in rats: involvement of the central serotonergic system**
C. Novi, V. Ruggieri, M. Filaferro, G. Vitale (*Modena*)
- P-5/49 **The kynurenone pathway in human neuroblastoma SH-SY5Y cells: regulation by pro-inflammatory cytokines**
S. Alboni, C. Benatti, C. Montanari, C. Valensisi, F. Tascedda, C.M. Pariante, N. Brunello (*Modena, Londra*)
- P-5/50 **Prolyl endopeptidase (Prep) regulates glucose sensing of**

VMN neurons, glucose metabolism and rebound feeding

G. D'Agostino, ZW. Liu, R. Meli, A. Calignano, S. Wardlaw, XB. Gao, T.L. Horvath, S. Diano (*Napoli, New Haven, New York*)

P-5/51

Palmitoylethanolamide is able to attenuate astrocyte activation and neuroinflammation in an *in vivo* model of Alzheimer's disease

C. Scuderi, M. Valenza, P. Ratano, A. Steardo, G. Esposito, P. Campolongo, M.R. Carratù, L. Steardo (*Roma, Bari*)

P-5/52

Intestinal dysmotility and enteric neurochemical changes following nigrostriatal dopaminergic denervation in the rat: relevance to the gastrointestinal dysfunction associated with Parkinson's disease

F. Blandini, M. Colucci, M. Cervio, G. Levandis, B. Balestra, C. Tassorelli, O. Pastoris, G. Nappi, R. De Giorgio, M. Tonini (*Pavia, Bologna*)

P-5/53

Activity-dependent synaptic plasticity and ADAM10 trafficking

E. Marcello, F. Gardoni, H. Vara-Rivera, F. Cattabeni, M. Giustetto, I. Perez-Otaño, M. Di Luca (*Milano, Alicante, Torino, Pamplona*)

P-5/54

Olanzapine in the treatment of anorexia nervosa: a case report

W. Milano, G. Nolfe, L. Milano, C. Petrella, A. Capasso (*Napoli, Salerno*)

P-5/55

Migraine and coronary artery disease: an open study on the genetic polymorphism of the 5, 10 methylenetetrahydrofolate (MTHFR) and angiotensin I-converting enzyme (ACE) genes

V. Pizza, A. Agresta, A. Bisogno, A. Capasso (*Vallo della Lucania, Salerno*)

P-5/56

Analysis of miRNome expression profiles in hippocampus of rats treated with different antidepressants

M. Pelizzari, D. Tardito, A. Mallei, S. Corna, G. Treccani, L. Bocchio-Chiavetto, G. Racagni, M. Popoli (*Milano, Brescia*)

P-5/57

Beneficial effects of nandrolone against disuse-induced muscle atrophy in the hindlimb-unloaded mouse

J-F. Desaphy, S. Pierno, A. Liantonio, M. De Bellis, G.M. Camerino, M.M. Dinardo, G. Gramegna, A. Scaramuzzi, D. Conte Camerino (*Bari*)

P-5/58

Toward the identification of drug targets for contrasting *in vivo* muscle fatigability in muscular dystrophy: potential role of PGC-1 α

G.M. Camerino, R.F. Capogrosso, A. Cozzoli, M.M. Dinardo, V. Sblendorio, A. Scaramuzzi, A. De Luca (*Bari*)

P-5/59

MPP⁺ modulates hyperpolarization-activated current (I_h) in dopaminergic neurons of the substantia nigra pars compacta

A. Masi, R. Narducci, F. Moroni, G. Mannaioni (*Firenze*)

P-5/60

Factor XIII Val 34 Leu polymorphism in migraine and cardiovascular disease

V. Pizza, A. Agresta, A. Bisogno, A. Capasso (*Vallo della Lucania, Salerno*)

- P-5/61 **Elderly patients with migraine: an open-label study on prophylaxis therapy with levetiracetam**
V. Pizza, A. Agresta, A. Bisogno, A. Capasso (*Vallo della Lucania (SA), Salerno*)
- P-5/62 **Polymorphism gene apolipoprotein E in migraine and cardiovascular disease**
V. Pizza, A. Agresta, A. Bisogno, A. Capasso (*Vallo della Lucania, Salerno*)
- P-5/63 **Paired oxidative balance in Parkinson's disease: the evidence from d-ROMs test and BAP test**
V. Pizza, E.L. Iorio, A. Capasso (*Vallo della Lucani, Salerno*)
- P-5/64 **Role of deregulation of calcium homeostasis in glial cells in an innovative model of Alzheimer's disease**
A. Grolla, D. Lim, G. Balzaretti, G. Fakhfouri, E. Marcello, M. Di Luca, P. L. Canonico, A. A. Genazzani (*Novara, Milano*)
- P-5/65 **Chronic treatment with ethinyl estradiol, levonorgestrel or cetrorelix decreases brain neurosteroid levels and selectively alters GABA_A receptor plasticity**
R. Berretti, P. Porcu, F. Santoru, L. Loche, A. Corona, A. Locci, M.C. Mostallino, C. Sogliano, A. Concias (*Cagliari*)
- P-5/66 **Decreased allopregnanolone induced by oral contraceptives is associated with a reduction in social behavior and sexual motivation in female rat**
F. Santoru, R. Berretti, P. Porcu, L. Loche, A. Corona, A. Locci, A. Concias (*Cagliari*)
- P-5/67 **Amyloid beta-degrading action of matrix metalloproteases-2 and -9 contributes to the neuroprotective effect of estrogen**
S. Merlo, M.A. Sortino (*Catania*)
- P-5/68 **Human PrP90-231-induced cell death is associated with intracellular accumulation of insoluble and protease-resistant macroaggregates and lysosomal dysfunction**
S. Thellung, A. Corsaro, V. Villa, T. Florio (*Genova*)
- P-5/69 **Effect of cannabinoids in β-amyloid-induced toxicity *in vitro***
T. Iuvone, D. De Filippis, M. Cipriano, A. Russo, G. Russo, E. Esposito, V. Di Marzo, L. Steardo (*Napoli, Roma*)
- P-5/70 **The γ-secretase modulator CHF5074 elicits neuroprotection and increases histone acetylation in primary cortical neurons exposed to oxygen glucose deprivation**
V. Porrini, I. Sarnico, A. Lanzillotta, C. Branca, M. Benarese, PF. Spano, B.P. Imbimbo, M. Pizzi (*Brescia, Parma*)
- P-5/71 **Targeting epigenetic regulation of NF-kappaB and histones in the therapy of post-ischemic brain injury**
C. Branca, A. Lanzillotta, I. Sarnico, M. Benarese, G. Pignataro, O. Cuomo, L. Annunziato, G. Faraco, F. Blasi, A. Chiarugi, PF. Spano, M. Pizzi (*Brescia, Napoli, Firenze*)
- P-5/72 **The novel selective PDE4D inhibitor GEBR-7b increases hippocampal cAMP and enhances memory without emetic effects**

- A. Cavallero, E. Gardella, C. Brullo, E. Canepa, O. Bruno, J. Prickaerts, L.A. Parker, R. Ricciarelli, E. Fedele (*Genova, Maastricht, Guelph*)
- P-5/73 **An integrated pipeline for the identification of novel GPCR ligands: lessons from GPR17, a promising therapeutic target for neurodegenerative diseases**
C. Parravicini, I. Eberini, S. Daniele, C. Sensi, M.L. Trincavelli, C. Martini, M.P. Abbracchio (*Milano, Pisa*)
- P-5/74 **Acetyl-L-carnitine, a new pharmacological modulator of adult hippocampal neurogenesis *in vitro***
M. M. Valente, V. Bortolotto, P. L. Canonico, A. Koverech, M. Grilli (*Novara, Pomezia*)
- P-5/75 **Alpha2-delta ligands as novel positive modulators of adult mouse neurogenesis *in vitro* and *in vivo***
V. Bortolotto, M. M. Valente, V. Meneghini, P. L. Canonico, M. Grilli (*Novara*)
- P-5/76 **Serotonin involvement in beneficial effects of *Rhodiola rosea* in the attenuation of nicotine withdrawal signs in rats**
C. Mannucci, M. Navarra, A. Pieratti, E. Calzavara, A. P. Caputi, G. Calapai (*Messina*)
- P-5/77 **Purine nucleoside phosphorylase (PNP) is released from cultured rat astrocytes and microglial cells by lysosomal exocytosis**
E. Polazzi, B. Monti, I. Mengoni, P. Giuliani, S. Buccella, S. Cicchitti, F. Caciagli, A. Poli (*Bologna, Chieti*)
- P-5/78 **Deregulation of calcium signaling in hippocampal astrocytes in TAT-PRO model of Alzheimer's disease**
D. Lim, A. Grolla, E. Marcello, F. Gardoni, M. Di Luca, P. L. Canonico, A. A. Genazzani (*Novara, Milano*)
- P-5/79 **Soluble beta amyloid and its effect on HPA axis function**
M. G. Morgese, S. Schiavone, L. Trabace, V. Cuomo (*Foggia, Ginevra, Roma*)
- P-5/80 **Involvement of nitric oxide in noradrenergic alteration induced by acute soluble beta amyloid**
M. Colaianna, L. Ciuffreda, L. Trabace, V. Cuomo (*Foggia, Roma*)
- P-5/81 **ADAM10 regulates spine morphology and glutamate receptor composition through N-Cadherin cleavage**
M. Malinverno, F. Gardoni, M. Carta, R. Epis, E. Marcello, C. Verpelli, F. Cattabeni, C. Sala, C. Mulle, M. Di Luca (*Milano, Bordeaux*)
- P-5/82 **Toxicity of amyloid beta on embryo rat neuronal cells is mediated by tumor necrosis factor related apoptosis inducing ligand**
G. Di Benedetto, N. Ronisvalle, N. Landolina, R. Bernardini, G. Cantarella (*Catania*)

THURSDAY, September 15, 2011

Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session VI

AGING PHARMACOLOGY AND PAIN PHARMACOLOGY

Poster Commission Members: A. Calignano (*Napoli*), M.R. Carratù (*Bari*), C. Ghelardini (*Firenze*), S. Maione (*Napoli*)

- P-6/1 **Adult hippocampal neurogenesis and cortical gliogenesis in APP mutant mice**
T. Ed Dami, A. Fiorentini, I. Luccarini, C. Traini, C. Grossi, F. Casamenti (*Firenze*)
- P-6/2 **Role of natural antioxidant compounds as potential pharmacological countermeasures against skeletal muscle impairment due to aging process**
S. Pierno, A. Liantonio, G. Gramegna, A. Mele, D. Tricarico, J-F. Rolland, M. Cannone, L. Villanova, D. Conte Camerino (*Bari*)
- P-6/3 **Sulforaphane improves motor impairments and protects against neuron death in a mouse model of Parkinson's disease**
F. Morroni, A. Tarozzi, C. Bolondi, J.M. Zolezzi Moraga, G. Cantelli Forti, P. Hrelia (*Bologna*)
- P-6/4 **Involvement of opioid and cannabinoid receptors in the oxytocin-induced antihyperalgesic effect following ICV administration**
R. Russo, G. La Rana, G. D'Agostino, R. Meli, A. Calignano (*Napoli*)
- P-6/5 **Involvement of protein kinase C in neuronal regeneration in a model of antiretroviral-induced painful peripheral neuropathy in mice**
M.D. Sanna, N. Galeotti, C. Ghelardini (*Firenze*)
- P-6/6 **Analgesic properties of N-(1-carbamoyl-2-phenyl-ethyl)butyramide a new synthetic butyrate prodrug in a model of acute and visceral pain**
R. Russo, G. D'Agostino, A. Iacono, G. Mattace Raso, R. Meli, R. Berni Canani, A. Calignano (*Napoli*)
- P-6/7 **Effect of MCP-1 synthesis inhibitors in a rat model of incisional pain**
A. di Matteo, A. Amato, W. Castaldi, D. Mattei, B. Garrone, A. Guglielmotti (*Roma*)
- P-6/8 **Oxaliplatin elicits mechanical and cold allodynia in rodents via TRPA1 receptor stimulation**
G. De Siena, S. Harrison, S. Materazzi, N. Moretto, P. Failli, D. Preti, N. Marchetti, A. Cavazzini, F. Mancini, P. Pedretti, R. Patacchini, P. Geppetti, R. Nassini (*Firenze, Parma, Ferrara*)

- P-6/9 **NCX 1236, a novel gabapentin endowed of nitric oxide-releasing properties, reverses the development of mechanical allodynia in streptozotocin-treated diabetic mice**
V. Borghi, F. Impagnatiello, P.A. Borea, F. Vincenzi, M. Targa, E. Ongini, K. Varani (*Milano, Ferrara*)
- P-6/10 **Analgesic activity of new hybrid muscarinic agonists in mice**
L. Flammini, S. Bertoni, F. Saccani, A. Rapalli, V. Arcaro, G. Domenichini, E. Barocelli (*Parma*)
- P-6/11 **Endomorphin-1 analogues as novel and highly selective MOPr agonists: design and characterization of innovative analgesic drugs**
A. Bedini, L. Gentilucci, R. De Marco, S. Spampinato (*Bologna*)
- P-6/12 **Protective effects of antioxidants during acute inflammatory pain: the role of 4-hydroxynonenal, an endogenous aldehyde**
C. Muscoli, C. Dagostino, F. Lauro, S. Ilari, D. Ventrice, E. Vizza, F. Casale, M. Scalzo, M. Rizzo, N. Costa, M.C. Strongoli, E. Palma, D. Salvemini, V. Mollace (*Catanzaro, Roma, Catania, St Louis*)
- P-6/13 **Activation of Kv7 potassium channels inhibits intracellular Ca²⁺ increases triggered by pain-inducing compounds in sensory neurons**
P. Ambrosino, M.V. Soldovieri, D. Presutti, M. Taglialatela (*Campobasso, Napoli*)
- P-6/14 **Anti-hyperalgesic and anti-edematogenic effects of ARN0077, an irreversible inhibitor of N-acylethanolamine-hydrolyzing acid amidase (NAAA), in a murine model of persistent pain**
O. Sasso, P. Busquet, D. Piomelli, R. Bertorelli, A. Reggiani (*Genova*)
- P-6/15 **Metabotropic glutamate receptor subtype 8 in the amygdala: a novel target for inflammatory pain relief**
E. Palazzo, I. Marabese, L. Luongo, C. Giordano, S. Boccella, V. de Novellis, F. Rossi, S. Maione (*Napoli*)
- P-6/16 **Salvinorin A reduce formalin-induced allodynia through spinal glial/microglial phenotypical changes in mice**
F. Guida, M. De Chiaro, G. Aviello, L. Luongo, A. Izzo, R. Capasso, M.A. Scafuro, V. de Novellis, S. Maione (*Napoli*)
- P-6/17 **Involvement of the endocannabinoid/endovanilloid system in the morphofunctional changes occurring in the pre-limbic/infra-limbic (PL/IL) cortex in neuropathic rats**
L. Gatta, S. Boccella, D. Vita, L. Luongo, G. Bellini, M. De Chiaro, I. Marabese, D. Siniscalco, F. Piscitelli, V. Di Marzo, E. Palazzo, F. Rossi, S. Maione, V. de Novellis (*Napoli*)
- P-6/18 **Long lasting effects of human mesenchymal stem cell systemic administration on pain-like behaviours, cellular and biomolecular modifications in neuropathic mice**
D. Siniscalco, C. Giordano, L. Luongo, F. Rossi, S. Maione, V. de Novellis (*Napoli*)
- P-6/19 **The galactosylation of N^ω-nitro-L-arginine enhances its anti-nocifensive or anti allodynic effects by targeting glia in healthy and neuropathic mice**
C. Giordano, D. Siniscalco, D. Melisi, L. Luongo, A. Curcio, E.

Palazzo, I. Marabese, M. De Chiaro, M.G. Rimoli, S. Maione, V. de Novellis (*Napoli*)

- P-6/20 **mGlu7 receptor in the striatum decrease nociceptive responses in neuropathic rats**
I. Marabese, E. Palazzo, M. De Chiaro, L. Luongo, F. Guida, S. Boccella, C. Giordano, S. Maione, V. de Novellis, V. de Novellis (*Napoli*)
- P-6/21 **Peptide and non-peptide PKR antagonists as novel analgesics**
D. Maftei, R. Lattanzi, V. Noviello, L. A. Giancotti, G. Balboni, L. Negri (*Roma, Cagliari*)
- P-6/22 **Intravenous human adipose stem cells reverse neuropathic pain symptoms and restore pro-anti inflammatory cytokine balance in the chronic constriction injury murine model**
A. Rossi, E. Arrigoni, S. Niada, S. Franchi, M. Colleoni, A.E. Panerai, P. Sacerdote, A.T. Brini (*Milano*)
- P-6/23 **Umbellulone, the irritant principle of the headache tree (*Umbellularia Californica*), stimulates the trigeminovascular system via TRPA1 activation**
R. Nassini, G. De Siena, C. Avonto, G. Appendino, G. La Marca, P. Geppetti, S. Benemei, S. Materazzi (*Firenze, Novara*)
- P-6/24 **Oxaliplatin-induced neuropathy: oxidative stress as pathological mechanism. *In vivo* evidences**
L. Bonaccini, L. Di Cesare Mannelli, M. Zanardelli, P. Failli, C. Ghelardini (*Firenze*)
- P-6/25 **PC1, a prokineticin receptor antagonist, displays anti-inflammatory effects greater than that of indomethacin**
L.A. Giancotti, R. Lattanzi, P. Spinsanti, M. Canestrelli, D. Maftei, G. Balboni, S. Salvadori, L. Negri (*Roma, Cagliari, Ferrara*)
- P-6/26 **Discovery and pharmacological evaluation of a new family of TRPA1 antagonists**
P. Pedretti, C. Fusi, D. Preti, S. Materazzi, R. Nassini, P.G. Baraldi, P. Geppetti (*Firenze, Ferrara*)

THURSDAY, September 15, 2011

Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session VII

BEHAVIOURAL PHARMACOLOGY AND TOXICOLOGY, DRUGS OF ABUSE

Poster Commission Members: V. Cuomo (*Roma*), W. Fratta (*Cagliari*), D. Parolaro (*Busto Arsizio*)

- P-7/1 **Effects of the indirect cannabinoid agonist URB597 in the modulation of social behavior in rats**
A. Manduca, P. Campolongo, M.C. Bedetta, M. Palmery, V. Trezza, V. Cuomo (*Roma*)
- P-7/2 **Inhibition of fatty acid amide hydrolase (FAAH) in the rat limbic system enhances consolidation of memory for emotionally arousing events**
M. Morena, V. Trezza, P. Ratano, C. Pecci, M. Palmery, P. Campolongo, V. Cuomo (*Roma*)
- P-7/3 **Effects of the modulation of the endocannabinoid system on fat intake under a limited-access protocol of binge eating in female rats**
P. Fadda, M. Scherma, F. Businco, C. Dessy, AL. Loizedda, B. Piglicampo, L. Fattore, W. Fratta (*Cagliari*)
- P-7/4 **Cocaine and amphetamine modify intercellular communication interfering with the formation of tunneling nanotubes**
C. Carone, F. Pederzoli, G. Leo, S. Genedani (*Modena*)
- P-7/5 **Effect of prazosin and guanfacine on stress-induced reinstatement of alcohol and food seeking in rats**
C. Cifani, A.D. Lê, D. Funk, W. Juzytsch, K. Coen, B.M. Navarre, Y. Shaham (*Baltimore, Toronto*)
- P-7/6 **Stress- and pellet-priming-induced reinstatement of food seeking and neuronal activation in *c-fos-GFP* transgenic female rats: role of ovarian hormones**
C. Cifani, B.M. Navarre, D. Calu, E. Koya, B.T. Hope, Y. Shaham (*Baltimore*)
- P-7/7 **Effect of adenosine A_{2A} receptor ligands on voluntary ethanol intake in Marchgian Sardinian alcohol-preferring (msP) rats**
M. V. Micioni Di Bonaventura, C. Cifani, C. Lambertucci, R. Volpini, G. Cristalli, M. Massi (*Camerino*)
- P-7/8 **Zopiclone and prazepam dependence: role of hair analysis for the monitoring of treatment in a migraine patient**
A. Ferrari, I. Tiraferri, F. Palazzoli, M. Licata (*Modena*)

- P-7/9 **Knowledge and perceptions of medical students about cigarette smoking: a survey in four Italian medical schools**
M. C. Grassi, C. Chiamulera, M. Baraldo, F. Culasso, A.K. Ferketich, C. Patrono, P. Nencini (*Roma, Verona, Udine, Columbus*)
- P-7/10 **Chronic THC exposure during adolescence modifies the physiological development of the endocannabinoid system and neural refinement in specific brain areas**
T. Rubino, P. Prini, F. Piscitelli, E. Zamberletti, S. Speziali, A. Ligresti, D. Parolaro (*Busto Arsizio, Pozzuoli*)
- P-7/11 **Effects of cigarette smoke on human salivary antioxidant defense system**
C. Nencini, G. Montefrancesco, L. Micheli (*Siena*)
- P-7/12 **3,4-methylenedioxymethamphetamine (MDMA) regulates opioid gene expression in the rat brainstem through the involvement of serotonin and the activation of CREB and ERK cascade**
M. Di Benedetto, S. Bastías Candia, C. D'Addario, S. Candeletti, P. Romualdi (*Bologna*)
- P-7/13 **CBP regulates histone acetylation in the nucleus accumbens underlying cocaine-induced plasticity**
E. Mhillaj, M. Malvaez, M.A. Wood, M. Palmery (*Roma, Irvine CA*)
- P-7/14 **The anandamide transport inhibitor AM404 reduces the rewarding effects of nicotine and nicotine-induced dopamine elevations in the nucleus accumbens shell in rats**
M. Scherma, P. Fadda, Z. Justinová, C. Zanettini, P. Mascia, A. Makriyannis, S.K. Vadivel, I. Gamaleldin, B. Le Foll, S.R. Goldberg, W. Fratta (*Cagliari, Baltimore, Boston, Toronto*)
- P-7/15 **Drugs of abuse modulate spontaneous activity of neurons in the rat rostromedial tegmental nucleus and their inhibitory actions on midbrain dopamine cells**
S. Lecca, M. Melis, A. Luchicchi, A.L. Muntoni, M. Pistis (*Cagliari*)
- P-7/16 **Chronic AAs treatment affects monoaminergic transmission in male rat brain**
M. Zotti, P. Tucci, L. Trabace, V. Cuomo (*Foggia, Roma*)

THURSDAY, September 15, 2011

Sala Europauditorium - 3.45–4.30 pm

Plenary Lecture

Introduced by: M. Grilli (*Novara*)

- 3.45 pm NEW HORIZONS FOR NEW NEURONS: ADULT-GENERATED
NEURONS AND IMPLICATIONS FOR THE NORMAL AND DISEASED
BRAIN
A. Eisch (*Dallas*)

THURSDAY, September 15, 2011

Sala Azzurra - 4.30–6.30 pm

Symposium

EVOLUTION OF TREATMENT OF HORMONE-REFRACTORY PROSTATE CANCER

Chairpersons: P. L. Canonico (*Novara*), R. Danesi (*Pisa*)

Strategies for the treatment of prostate cancer

F. Boccardo (*Genova*)

Pharmacological options in prostate cancer therapy

A. A. Genazzani (*Novara*)

**Mechanisms of resistance to hormonal treatment and
cytotoxic chemotherapy of prostate cancer**

R. Danesi (*Pisa*)

**Current practice and perspectives of chemotherapeutic
treatment of hormone-refractory prostate cancer**

S. Bracarda (*Arezzo*)

(Educational support from sanofi-aventis)

THURSDAY, September 15, 2011

Sala Ciano - 4.30–5.00 pm

Lecture

Introduced by: C. Scarpignato (*Parma*)

4.30 pm THE DIFFICULT SEARCH FOR A TRUE INTESTINAL PROKINETIC.
THE PHARMACOLOGY OF PRUCALOPRIDE
C. Blandizzi (*Pisa*)

(Educational support from Shire Italia)

THURSDAY, September 15, 2011

Sala Ciano - 5.00–6.00 pm

Symposium

DOCTOR'S AND PATIENT'S APPRAISAL OF ADVERSE DRUG REACTIONS: COMPARING DIFFERENT VIEWS

Chairperson: F. De Ponti (*Bologna*)

- | | |
|---------|--|
| 5.00 pm | Sharing treatment decision with patients and psychiatrists in a Community Mental Health Centre
I. Tarricone (<i>Bologna</i>) |
| 5.15 | Risk/benefit profile of drugs: factors influencing patients' views
E. Poluzzi (<i>Bologna</i>) |
| 5.30 | Round table: A. P. Caputi (<i>Messina</i>), R. Casadio, R. Leone (<i>Verona</i>), G. Romagnoli (<i>Bologna</i>) |

(Educational support from Lundbeck Italia)

THURSDAY, September 15, 2011

Sala Bianca - 4.30–5.00 pm

Lecture

Introduced by: F. Guidobono (*Milano*)

- 4.30 pm A NEW BIOLOGICAL APPROACH FOR THE TREATMENT OF
POSTMENOPAUSAL OSTEOPOROSIS: MECHANISM OF ACTION
AND CLINICAL RESULTS
L. Sinigaglia (*Milano*)

(Educational support from AMGEN Dompè)

THURSDAY, September 15, 2011

Sala Bianca - 5.00–5.30 pm

Lecture

Introduced by: N. Brunello (*Modena*)

5.00 pm ETHANOL DEPENDENCE: NEUROBIOLOGY AND POTENTIAL PHARMACOTHERAPY
G. Biggio (*Cagliari*)

(Educational support from Merck Serono)

THURSDAY, September 15, 2011

Sala Bianca - 5.30–6.00 pm

Lecture

Introduced by: P. Navarra (*Roma*)

5.30 pm HEPATITIS C IN ITALY: EPIDEMIOLOGICAL IMPACT AND
THERAPEUTICAL STRATEGIES
A. Gasbarrini (*Roma*)

(Educational support from MSD Italia)

THURSDAY, September 15, 2011

Sala Italia - 4.30–6.30 pm

Symposium

NEW OPPORTUNITIES IN THE PHARMACOLOGY OF CORONARY THROMBOSIS

Chairpersons: F. Andreotti (*Roma*), C. Patrono (*Roma*)

- | | |
|---------|--|
| 4.30 pm | ACS: Physiopathology, therapeutical strategies and unmet medical need
P. Golino (<i>Napoli</i>) |
| 4.50 | Mechanisms of interindividual variability in the response to antiplatelets drugs: from measures of platelet aggregation to pharmacogenetics
B. Rocca (<i>Roma</i>) |
| 5.10 | Determinants and clinical significance of bleeding complications associated with antiplatelet drugs
F. Andreotti (<i>Roma</i>) |
| 5.30 | New antiplatelet drugs: from rationale to clinical trials
C. Patrono (<i>Roma</i>) |

(Educational support from AstraZeneca)

FRIDAY, September 16, 2011

Sala Ciano - 8.30–10.30 am

Symposium

PHARMACOGENETICS: RESEARCH EXPERIENCE OR CLINICAL REALITY? THE VIEWPOINT OF THE YOUNG INVESTIGATORS OF THE ITALIAN SOCIETY OF PHARMACOLOGY

Chairpersons: E. Clementi (*Milano*), R. Danesi (*Pisa*)

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|---------|--|
| 8.30 am | Pharmacogenetics of fluoropyrimidines
M. Del Re (<i>Pisa</i>) |
| 8.50 | Irinotecan pharmacogenetics
E. De Mattia (<i>Pordenone</i>) |
| 9.10 | Pharmacogenetics of antiretrovirals
R. Colognato (<i>Milano</i>) |
| 9.30 | Pharmacogenetics of overuse medication headache
S. Terrazzino (<i>Novara</i>) |
| 9.50 | The formative experience of “SIF-Farmacogenetica” newsletter
V. Boscaro (<i>Torino</i>) |
| 10.10 | Discussants: D. Fornasari (<i>Milano</i>), A. A. Genazzani (<i>Novara</i>), G. Toffoli (<i>Aviano</i>) |

FRIDAY, September 16, 2011

Sala Bianca - 8.30-10.30 am

Symposium

NEW PERSPECTIVES IN THE RECEPTOR FUNCTION

Chairpersons: R. Ciccarelli (*Chieti*), P. Popoli (*Roma*)

8.30 am	Intercellular transfer of components of plasma membrane associated integrative mechanisms: focus on A2A-D2 heteromers L. F. Agnati, M. Guescini, G. Leo, V. Stocchi, M. Mantuano, P. Tibollo, C. Carone, F. Ciruela, D. Guidolin, S. Genedani, K. Fuxe (<i>Venezia, Lido, Urbino, Modena, Barcellona, Padova, Stoccolma</i>)
9.00	Receptor-receptor interactions: focus on adenosine receptors F. Ciruela (<i>Barcellona</i>)
9.30	Trafficking of P2 receptors at the plasma membrane C. Volontè, S. Amadio, S. Apolloni, C. Parisi, N. D'Ambrosi (<i>Roma</i>)
9.50	Interactions between adenosine A_{2A} and cannabinoid CB1 receptors in the striatum V. Chiodi, M.T. Tebano, A. Martire, M.R. Domenici, <u>P. Popoli</u> (<i>Roma</i>)
10.10	Allosteric modulators for adenosine receptors: an alternative to the orthosteric ligands M.L. Trincavelli, S. Daniele, <u>C. Martini</u> (<i>Pisa</i>)

(Purine Club)

FRIDAY, September 16, 2011

Sala Magenta A – 8.30-10.30 am

XV National Seminar of PhD Students in Pharmacology and Related Sciences

PhD Students' Presentations - Session III

PHARMACOLOGY OF THE NERVOUS SYSTEM (II)

Chairpersons: A. Concas (*Cagliari*), M. A. Sortino (Catania)

- | | |
|---------|--|
| 8.30 am | Role of Nociceptin/Orphanin system in paraquat and maneb animal model of Parkinson's disease
S. Bastias Candia (<i>Bologna</i>) |
| 8.45 | ATP and adenosine release under physiological and ischemic conditions in the rat striatum <i>in vivo</i>
F. Corti (<i>Firenze</i>) |
| 9.00 | Post Mortem Neural Precursor Cells (PM-NPCs) regenerate neuronal tissue and promote functional recovery after transplantation in a spinal cord injury model
D. Merli (<i>Milano</i>) |
| 9.15 | Behavioral and neurochemical characterization of the antianhedonic activity of lithium in rats
M. E. Secci (<i>Siena</i>) |
| 9.30 | Hereditary spastic paraplegia protein REEP1: molecular and functional studies
V. De Nardo (<i>Padova</i>) |
| 9.45 | SAP97 is involved in PKC activation of ADAM10 alpha-secretase
C. Saraceno (<i>Milano</i>) |
| 10.00 | Estrogen affects the response of neurons to beta-amyloid through metabotropic glutamate (mGlu) receptors and their signaling
S. F. Spampinato (<i>Catania</i>) |
| 10.15 | Characterization of the effects induced by hypoxic ischemia and reperfusion in rodent organotypic brain slices and involvement of purinergic signalling
L. Colombo (<i>Milano</i>) |

FRIDAY, September 16, 2011

Sala Magenta B – 8.30-10.30 am

XV National Seminar of PhD Students in Pharmacology and Related Sciences

PhD Students' Presentations - Session IV

ANTINEOPLASTIC DRUGS AND PHARMACOLOGICAL CONTROL OF CELL DEATH AND PROLIFERATION

Chairpersons: T. Florio (*Genova*), L. Sautebin (*Napoli*)

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|---------|--|
| 8.30 am | Antiangiogenic properties of the non psychoactive cannabinoid compound cannabidiol: <i>in vitro</i> and <i>in vivo</i> studies
M. Solinas (<i>Busto Arsizio</i>) |
| 8.45 | Study of the molecular mechanism of action of RDC11 in treating cancer and identification of the signaling pathways involved.
V. Vidimar (<i>Trieste, Strasbourg</i>) |
| 9.00 | Antitumor activity of nanospunge-encapsulated camptotecin in human prostate tumors
R. Minelli (<i>Torino</i>) |
| 9.15 | Nano-engineered vehicles for pharmacological applications: improvement in the chemopreventive effect and pharmacokinetic properties of resveratrol
P. Salamone (<i>Torino</i>) |
| 9.30 | Role of platelets on COX-2 expression in cancer cells
M. Dovizio (<i>Chieti</i>) |
| 9.45 | Ouabain at nanomolar concentrations is citostatic and induces programmed cell death in two different cancer cell lines
A. Trenti (<i>Padova</i>) |
| 10.00 | LAM/TSC cells from chyloous cause LAM-like lesion in nude mice. Evaluation of anti-EGFR antibody and rapamycin treatments.
E. Chiaramonte (<i>Milano</i>) |
| 10.15 | Nitric oxide and mitophagy are relevant for muscle regeneration capacity
S. Pisoni (<i>Milano</i>) |

FRIDAY, September 16, 2011

Sala Azzurra - 9.00–9.30 am

Lecture

Introduced by: M. Di Luca (*Milano*)

9.00 am NOE (N-OLEIL-ETANOLAMINA) IN THE CONTROL OF SAFETY AND
FOOD INTAKE: NEW THERAPEUTIC PERSPECTIVES
E. Grossi (*Milano*)

(Educational support from Bracco)

FRIDAY, September 16, 2011

Sala Azzurra - 9.30–10.00 am

Lecture

Introduced by: F. Scaglione (*Milano*)

9.30 am RANK/RANKL AND OPG: NEW KEY MECHANISM FOR BONE
TURNOVER
D. Santini (*Roma*)

(Educational support from AMGEN Dompé)

FRIDAY, September 16, 2011

Sala Azzurra - 10.00–10.30 am

Lecture

Introduced by: G. Sava (*Trieste*)

10.00 am NEW PERSPECTIVES FOR THE PHARMACOLOGICAL TREATMENT OF
MALIGNANT MELANOMA
R. Danesi (*Pisa*)

FRIDAY, September 16, 2011

Sala Italia - 8.30-10.30 am

Symposium

SEROTONIN 5-HT_{2C} RECEPTORS AS A TARGET FOR THE TREATMENT OF NEUROPSYCHIATRIC DISORDERS

Chairpersons: F. Drago (*Catania*), G. Racagni (*Milano*)

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|---------|--|
| 8.30 am | Physiological and therapeutic relevance of constitutive activity at 5-HT_{2C} receptors
G.M. Leggio (<i>Catania</i>) |
| 8.50 | Multi-target strategies for improving core and co-morbid symptoms of depressed states: 5-HT_{2C} receptors as a fulcrum
M.J. Millan (<i>Croissy sur Seine</i>) |
| 9.10 | Relevance of 5-HT_{2C} genetic variants in psychiatric disorders
A. Drago (<i>Bologna</i>) |
| 9.30 | 5-HT_{2C} receptors in the clinical practice
G. Martinotti (<i>Roma</i>) |
| 9.50 | Mining the serotonin 5-HT_{2C} receptors and their ligands in drug addiction
M. Filip (<i>Krakow</i>) |

FRIDAY, September 16, 2011

Sala Italia - 11.00 am – 1.00 pm

Symposium

FUNCTIONAL INTERACTIONS BETWEEN DOPAMINE AND OTHER NEUROTRANSMITTER SYSTEMS IN PARKINSON'S DISEASE AND DYSKINESIA: NEW POSSIBLE PHARMACOLOGICAL APPROACHES

Chairperson: M. Di Luca (*Milano*), F. Gardoni (*Milano*)

- | | |
|----------|--|
| 11.00 am | Molecular and functional interactions between glutamate and dopamine receptors in striatum
F. Gardoni, C. Vastagh, V. Bagetta, J. Stanic, E. Zianni, B. Picconi, P. Calabresi, M. Di Luca (<i>Milano, Roma, Perugia</i>) |
| 11.30 | Role of serotonin system in the appearance of L-DOPA- and graft-induced dyskinesias
M. Carta, E. Shin, A. Björklund (<i>Cagliari, Lund</i>) |
| 12.00 | Role of striatal spiny neurons and cholinergic interneurons in the D2/A2A receptor interaction: implication for Parkinson's disease
A. Tozzi, A. de Iure, M. Di Filippo, M. Tantucci, C. Costa, F. Borsini, C. Giampà, F.R. Fusco, P. Calabresi (<i>Perugia, Roma</i>) |
| 12.30 | Nociceptin/orphanin FQ receptor agonists attenuate L-DOPA-induced dyskinesias in rat and nonhuman primate models of Parkinson's disease
M. Marti, R. Guerrini, D. Rodi, L. Qin, M. Simonato, E. Bezard, M. Morari (<i>Ferrara, Pechino, Bordeaux</i>) |

FRIDAY, September 16, 2011

Sala Azzurra - 11.00–11.30 am

Lecture

Introduced by: A. A. Genazzani (*Novara*)

11.00 am BRAF MUTATIONAL STATUS: A NOVEL BIOMARKER FOR MELANOMA
P. A. Ascierto (*Napoli*)

(Educational support from Roche)

FRIDAY, September 16, 2011

Sala Azzurra – 11.30 am – 1.00 pm

Mini-Symposium

MOR-NRI: A NEW CLASS OF ANALGESICS

Chairperson: P. L. Canonico (*Novara*)

- | | |
|----------|---|
| 11-30 am | Opiate therapy: lights lights and shadow
P. Romualdi (<i>Bologna</i>) |
| 11.50 | Basic and clinical pharmacology of Tapentadol
P. Sacerdote (<i>Milano</i>) |
| 12.10 | Opioids and adult neurogenesis: distinctive features of tapentadol.
M. Grilli (<i>Novara</i>) |

(Educational support from Grünenthal Italia)

FRIDAY, September 16, 2011

Sala Bianca - 11.00 am – 1.00 pm

Symposium

ANTIMICROBIALS FOR GI INFECTIONS: CURRENT AND FUTURE DEVELOPMENTS

Chairpersons: L. Berrino (*Napoli*), F. Rossi (*Napoli*)

- | | |
|----------|--|
| 11.00 am | Microbial flora and digestive disease
V. Stanghellini (<i>Bologna</i>) |
| 11.30 | Antimicrobials for GI infections: current and future options
F. Scaglione (<i>Milano</i>) |
| 12.00 | Rifaximin, a GI selective antibiotic: current status and future development
C. Scarpignato (<i>Parma</i>) |
| 12.30 | Bioequivalence of generic antimicrobials: the case for locally acting compounds
C. Blandizzi (<i>Pisa</i>) |

(Educational support from ALFA WASSERMANN)

FRIDAY, September 16, 2011

Sala Celeste - 11.00 am – 1.00 pm

Symposium

NUTRACEUTICALS, FOOD SUPPLEMENTATION AND BOTANICAL DRUGS: WHERE ARE WE?

Chairpersons: P. Hrelia (*Bologna*), A. Nunziata (*Roma*)

- | | |
|----------|--|
| 11.00 am | Nutraceuticals: current regulatory framework and trends
B. Scarpa (<i>Roma</i>) |
| 11.20 | Herbal medicines: food or drugs?
G. Calapai (<i>Messina</i>) |
| 11.40 | Quality criteria for botanicals used in herbal drugs and dietary supplements: a common paradigm
P. Morazzoni (<i>Milano</i>) |
| 12.00 | Nutritional and health claim regulation (EC) 1924/2006: impact on food sector
E. Vacca (<i>Milano</i>) |
| 12.20 | Clinical evaluation of nutraceuticals modulating the human blood pressure: the lactotripeptides
C. Borghi (<i>Bologna</i>) |

FRIDAY, September 16, 2011

Sala Ciano - 11.00 am – 1.00 pm

Symposium

PHARMACOVIGILANCE IN PAEDIATRY

Chairpersons: E. Clementi (*Milano*), G. Mele (*Lecce*)

- | | |
|----------|--|
| 11.00 am | Pharmacovigilance and its role in assessment and revision of clinical practice: projects of the Lombardy region
M. Venegoni (<i>Milano</i>) |
| 11.20 | The relevance of fostering paediatric pharmacovigilance for appropriateness in therapy of childhood disorder. The experience from a study in the lombardy
S. Radice (<i>Milano</i>) |
| 11.40 | Active surveillance on severe drugs and vaccine events in children through a multicenter study. Safety and effectiveness of the 2009-2010 pandemic vaccine
F. Menniti-Ippolito (<i>Roma</i>) |
| 12.00 | Pharmacovigilance in paediatrics quality care: the role of family paediatrician
M.R. Filograna (<i>Lecce</i>) |
| 12.20 | Pharmacovigilance in the quality of care in paediatric age: role of the hospitals pediatricians
G.V. Zuccotti, (<i>Milano</i>) |
| 12.40 | Conclusions: A. P. Caputi (<i>Messina</i>), F. Rossi (<i>Napoli</i>) |

Joint Symposium SIF- Federazione Italiana Medici Pediatri (FIMP)

FRIDAY, September 16, 2011

Sala Magenta A – 11.00 am -1.00 pm

Mini-Symposium

ITALIAN PHARMACOLOGISTS AND THE LAW N. 38: THE IMPACT PROJECT

Chairpersons: C. Ghelardini (*Firenze*), A. Mugelli (*Firenze*)

- | | |
|----------|--|
| 11.00 am | Modern medicine's global challenge: the care of patients with chronic pain
G. Fanelli (Parma) |
| 11.30 | The IMPACT project: state of the art and new aims
A. Mugelli (<i>Firenze</i>) |
| 12.00 | Teaching pain pharmacotherapy to under- and post-graduated students
P. Geppetti (<i>Firenze</i>) |
| 12.30 | <i>General Discussion</i> |

FRIDAY, September 16, 2011

Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

XV National Seminar of PhD Students in Pharmacology and Related Sciences

PhD Poster Session II

PAIN PHARMACOLOGY, BEHAVIOURAL PHARMACOLOGY AND TOXICOLOGY, DRUGS OF ABUSE, PHARMACOLOGY OF METABOLISM AND ENDOCRINE SYSTEM, OSTEOARTICULAR PHARMACOLOGY, PHARMACOLOGY OF INFLAMMATION, ANTINEOPLASTIC DRUGS, IMMUNOPHARMACOLOGY AND VACCINES, PHARMACOVIGILANCE AND PHARMACOEPIDEMIOLOGY, EXPERIMENTAL AND CLINICAL TOXICOLOGY, PHARMACOGENETICS, PHARMACOGENOMICS AND GENE THERAPY

Poster Commission Members: V. Mollace (*Catanzaro*), P. Romualdi (*Bologna*)

- D-2/1 **Investigation on dynorphin and BDNF role in an experimental model of neuropathic pain**
D. Mercatelli (*Bologna*)
- D-2/2 **Oxaliplatin-induced neuropathy: oxidative mechanisms in nervous cells**
M. Zanardelli (*Firenze*)
- D-2/3 **Social behavior and fear response to predator in zebrafish: role of oxytocin/vasopressin system**
R. Martucci (*Milano*)
- D-2/4 **Abnormal EEG and memory associative deficit in SNAP-25 heterozygous mice**
A. Donzelli (*Milano*)
- D-2/5 **Long-lasting depressive and anxiogenic-like effects in adolescent male rats chronically treated with nandrolone**
S. Speziali (*Busto Arsizio*)
- D-2/6 **Short and long-term effect of delta-9-tetrahydrocannabinol on immune function in mice**
S. Moretti (*Milano*)
- D-2/7 **Lysozyme, a multi-role regulatory protein, as chemopreventive drug in the diabetic nephropathy**
D. Gallo (*Trieste*)
- D-2/8 **Deletion of TRPV1 gene decreases osteoclast activity and protects from ovariectomy-induced bone loss**
S. Mancusi (*Napoli*)
- D-2/9 **The effects of oleuropein aglycone, an olive oil compound, on acute and chronic inflammation**
D. Impellizzeri (*Messina*)

- D-2/10 **Differential roles of microsomal Prostaglandin E Synthase-1 in murine colitis**
A. Bruno (*Chieti*)
- D-2/11 **Genotype-guided phase I study for weekly paclitaxel in ovarian cancer patients**
S. Boffo (*Aviano*)
- D-2/12 **Functionalized fullerenes as nanocarriers for anticancer drugs**
M. Lucafò (*Trieste*)
- D-2/13 **Generation of Small Cell Lung Cancer (SCLC) bioluminescent xenograft orthotopic mouse models and evaluation of anti-tumoral activity of different chemotherapeutic agents**
M. Ruocco (*Bologna*)
- D-2/14 **Effects of human IgG on HUVECs: a molecular approach to the understanding of the therapeutic efficacy of IgG administration *in vivo***
G. Frigo (*Padova*)
- D-2/15 **Triptans and cardiovascular events: data mining of the FDA Adverse Event Reporting System (AERS)**
G. Roberto (*Bologna*)
- D-2/16 **CYP1A2 induction in liver cirrhosis**
D. Gabbia (*Padova*)
- D-2/17 **Effects of Cabbage sprout extract on xenobiotic metabolizing enzymes of Sprague-Dawley rat liver**
S. Melega (*Bologna*)
- D-2/18 **3D-cell-sheets from a continuous, stable, non-tumorigenic, mesenchymal stem cell line derived from rat dental pulp: an innovative tool for toxicological tests**
F. Di Scipio (*Torino*)
- D-2/19 **Effects of lisosan G on antioxidant and xenobiotic-metabolising enzymes in primary rat hepatocytes cultures**
M. La Marca (*Pisa*)
- D-2/20 **Design and development of pharmacogenetic molecular tests**
E. Bugin (*Padova*)
- D-2/21 **Mitochondrial pharmacogenomics: how does the mitochondrion react to drugs?**
D. Strobbe (*Bologna*)
- D-2/22 **Denaturing high-performance liquid chromatography method for the identification of variant of cytochrome P450 2D6**
L. Bertolaso (*Padova*)

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Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session VIII

PULMONARY PHARMACOLOGY, GASTROINTESTINAL PHARMACOLOGY, ERECTILE DYSFUNCTION PHARMACOLOGY

Poster Commission Members: B. D'Agostino (*Napoli*), G. Improta (*Roma*), E. Masini (*Firenze*), C. Scarpignato (*Parma*)

- P-8/1 **Erdosteine metabolite I protects against hydrogen peroxide-induced oxidative DNA-damage in lung epithelial cells**
P. C. Braga, R. Calò, L. Marabini (*Milano*)
- P-8/2 **Bleomycin-induced lung inflammation and fibrosis in mice: effect of cyclooxygenase inhibitor and histamine H4 receptor antagonist**
A. Pini, T. Somma, G. Formicola, I. Pacileo, R. Thurmond, D. Bani, E. Masini (*Firenze, San Diego*)
- P-8/3 **Skeletal muscle oxidative metabolism in an animal model of pulmonary emphysema**
N. Sullo, M. Matteis, F. Roviezzo, S. De Rosa, G. Cirino, F. Rossi, B. D'Agostino (*Napoli*)
- P-8/4 **Hsp72 response and lung inflammation after chronic stress**
M. Pannacci, V. Lucini, S. Dugnani, F. Scaglione (*Milano*)
- P-8/5 **Efficacy of NCX 226, a compound donating nitric oxide while blocking endothelin receptors, on bleomycin-induced lung fibrosis in mice and monocrotaline-induced pulmonary hypertension in rats**
A. Pini, D. Bani, E. Masini, S. Viappiani, V. Giraud, S. Robelet, M. Bolla (*Firenze, Bresso, Marseille*)
- P-8/6 **Effect of apocynin, a NADPH oxidase inhibitor, on acute lung inflammation**
D. Impellizzeri, E. Esposito, E. Mazzon, I. Paterniti, R. Di Paola, P. Bramanti, S. Cuzzocrea (*Messina*)
- P-8/7 **Cyclooxygenase isoforms exert differential modulatory effects on human colonic excitatory nerve pathways in diverticular disease**
M. Fornai, L. Antonioli, R. Colucci, R. De Giorgio, N. Bernardini, M. Tuccori, C. Maramai, P. Buccianti, M. Chiarugi, C. Blandizzi (*Pisa, Bologna*)
- P-8/8 **Comparative therapeutic effects of sodium butyrate and BuToRo® in a model of nonalcoholic steatohepatitis in the young rat**
G. Mattace Raso, R. Simeoli, A. Iacono, G. D'agostino, A. Santoro, P. Amero, G. La Rana, R. Russo, O. Paciello, R. Berni Canani, A.

Calignano, R. Meli (*Napoli*)

- P-8/9 **Herpes simplex virus type 1-induced dysmotility in the gut as a novel animal model of neuroenteric disorders**
A. Tiengo, P. Brun, S. Mazzorana, C. Zoppellaro, M. Qesari, R.M. Gaion, I. Castagliuolo, M.C. Giron (*Padova*)
- P-8/10 **Central Neuropeptide S inhibits stress-stimulated defecation in the rat**
C. Petrella, S. Agostini, G. Calò, A. Giaquinto, C. De Nuccio, G. Impronta, M. Broccardo (*Roma, Toulouse, Ferrara*)
- P-8/11 **Role of NOP receptors in the decrease of mucosal mast cells caused by acute stress in the rat colon**
G. Morini, M. Massi, D. Grandi, R. Guerrini (*Parma, Camerino, Ferrara*)
- P-8/12 **Pharmacological modulation of AMP-activated protein kinase as a novel target for the treatment of inflammatory bowel diseases**
L. Antonioli, M. Fornai, R. Colucci, O. Awwad, M. Tuccori, C. Maramai, G. Natale, F. Fulceri, I. Rugani, E. Duranti, A. Virdis, C. Blandizzi (*Pisa*)
- P-8/13 **Immunohistochemical distribution of synaptophysin in the rat gastric fundus and distal colon: influence of Nociceptin/Orphanin FQ and cold-restraint stress**
G. Morini, D. Grandi, R. Guerrini, M. Massi (*Parma, Ferrara, Camerino*)
- P-8/14 **Pharmacological modulation of 5HT_{1A} receptors in mice mesenteric ischemia/reperfusion injury: protective effect of buspirone and WAY100135**
V. Arcaro, F. Saccani, G. Vegezzi, A. Rapalli, V. Ballabeni, S. Bertoni, E. Barocelli (*Parma*)
- P-8/15 **5-HT receptors and control of intestinal motility: expression and hierarchic role**
B. Balestra, R. Vicini, O. Pastorini, M. Costa, M. Cervio, R. De Giorgio, M. Tonini (*Pavia, Adelaide, Bologna*)
- P-8/16 **Effect of hydroxytyrosol on electrically evoked contractions and transport in human colonic circular muscle and mucosa respectively**
P. Trisolini, A. Ignazzi, F. Pezzolla, D. Lorusso, S. Fiume, L. Debellis, M.A. Maselli (*Castellana Grotte, Bari*)
- P-8/17 **Influence of food matrix on polyphenol bio-accessibility from almond skins during digestion**
M. Martorana, T. Arcoraci, G. Mandalari, C. Bisignano, A. Tomaino (*Messina*)
- P-8/18 **Role of NSAID-activated gene (NAG-1) in the impairing effects of cyclooxygenase inhibitors on gastric ulcer repair**
R. Colucci, L. Antonioli, M. Fornai, N. Bernardini, C. Ippolito, C. Scarpignato, C. Blandizzi (*Pisa, Parma*)
- P-8/19 **Gastroprotective effect of the histamine H₄ receptor antagonist JNJ7777120 in mice**

- M. Adami, C. Pozzoli, R. Smits, R. Leurs, A. Menozzi, S. Bertini, B. Passeri, A.M. Cantoni, G. Coruzzi (*Parma, Amsterdam*)
- P-8/20 **Effects of the H₄ receptor antagonist JNJ7777120 in mice: focus on strain-related differences**
M. Adami, C. Pozzoli, D. Grandi, R. Smits, R. Leurs, G. Coruzzi (*Parma, Amsterdam*)
- P-8/21 **Colonic mucosal mediators from patients with irritable bowel syndrome excite guinea pig enteric cholinergic motor neurons via purinergic, prostaglandin, and TRPV1 pathways**
R. Vicini, B. Balestra, C. Cremon, L. Zecchi, R. De Giorgio, O. Pastorini, V. Stanghellini, R. Corinaldesi, G. Barbara, M. Tonini (*Pavia, Bologna*)
- P-8/22 **Cross-talk between NO and glutamate NMDA receptors during in vitro ischemia/reperfusion in the guinea-pig ileum: involvement of PKC**
S. Marchet, E. Carpanese, E. Moro, F. Crema, C. Giaroni, S. Lecchini, G. Frigo (*Varese, Pavia*)
- P-8/23 **Involvement of neuronal and inducible nitric oxide synthases in NO formation during acute in vitro ischemia/reperfusion in the guinea pig ileum**
E. Carpanese, S. Marchet, E. Moro, P. Moretto, G. Cipolla, C. Giaroni, F. Crema, S. Lecchini, G. Frigo (*Varese, Pavia*)
- P-8/24 **Motor effects of Kv7 channel modulators in the human *taenia coli***
A. Adduci, G. Rizzo, C. Coco, D. Currò (*Roma*)
- P-8/25 **Non-psychotropic cannabinoids reduce nitrite production in mouse peritoneal macrophages**
B. Romano, G. Aviello, I. Fasolino, R. Capasso, A.A. Izzo (*Napoli*)
- P-8/26 **Endogenous urotensin-II induced-penile erection through eNOS phosphorylation in human corpus cavernosum**
R. d'Emmanuele di Villa Bianca, E. Mitidieri, F. Fusco, V. Mirone, G. Cirino, R. Sorrentino (*Napoli*)

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Poster Area

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Poster Session IX

PHARMACOLOGY OF METABOLISM AND ENDOCRINE SYSTEM, OSTEOARTICULAR PHARMACOLOGY

Poster Commission Members: R.M. Gaion (Padova), A. Pinto (*Salerno*), F. Squadrito (*Messina*),

- P-9/1 **High fat diet slows the wound healing process in aged mice**
R. Avallone, C. Recordati, T. Croci (*Milano*)
- P-9/2 **The combination of *Serenoa Repens*, selenium and Lycopene is more effective than *Serenoa Repens* alone in preventing ormone-dependent prostatic growth**
L. Minutoli, F. Squadrito, A. Bitto, N. Irrera, H. Marini, G. Morgia, D. Altavilla (*Messina, Catania*)
- P-9/3 **The cholestyramine-induced decrease of PYY postprandial response is negatively correlated with fat mass in obese women**
M. Giunta, A. E. Rigamonti, M. Resnik, E. Compri, F. Agosti, A. De Col, N. Marazzi, S.M. Bonomo, S.G. Cella, A. Sartorio (*Milano, Verbania*)
- P-9/4 **Mitochondrial dysfunction in the pathogenesis of muscular dystrophy and involvement in a nitric oxide-based therapy**
S. Pambianco, R. Corradino, C. De Palma, C. Sciorati, E. Clementi (*Milano, Catanzaro*)
- P-9/5 **Thyroid hormones modulate the functional polarization of mouse macrophages**
M. Buldorini, C. Perrotta, E. Clementi, D. Cervia (*Milano, Viterbo*)
- P-9/6 **Genistein aglycone efficacy in postmenopausal metabolic syndrome: results from a randomized clinical trial**
F. Squadrito, A. Bitto, H. Marini, R. D'Anna, D. Altavilla (*Messina*)
- P-9/7 **Chronic nicotine treatment can induce human CYP2D6 expression: is it a not inducible enzyme yet?**
E. Saba, L. Marabini, P. Bondiolotti, S. Bareggi, R. Benfante, D. Fornasari (*Milano*)
- P-9/8 **Correlations between endocrine and extraendocrine actions of growth hormone secretagogues mediated by GHS-R1A receptor**
L. Rizzi, L. Tamiazzo, E. Bresciani, E. Viganò, M. Ravelli, V. Locatelli, A. Torsello (*Monza*)
- P-9/9 **Retinol-binding protein 4 levels, insulin resistance and lipid metabolism in obese postmenopausal women: a pilot study**
F. Miceli, E. Cantalupo, A.P. Lassandro, M.C. Moruzzi, P. Villa (*Roma*)

- P-9/10 **Polydeoxyribonucleotide (PDRN) reduces HMBG-1 production and the severity of collagen-induced arthritis by stimulation of adenosine A_{2A} receptor**
F. Squadrito, A. Bitto, N. Irrera, L. Minutoli, M. Rinaldi, D. Altavilla (*Messina*)
- P-9/11 **Influence of polymorphism-308 G/A of the TNF- α gene on High Mobility Group Box-1 protein in rheumatoid and spondylo-arthritis patients**
D. Altavilla, G. Bagnato, R. Talotta, N. Irrera, F. Squadrito (*Messina*)
- P-9/12 **Effectiveness of SPA therapy in knee osteoarthritis**
M. Costantino, A. Filippelli (*Napoli*)
- P-9/13 **The endovanilloid/endocannabinoid system: a new potential target for osteoporosis therapy**
F. Rossi, G. Bellini, L. Luongo, M. Torella, S. Mancusi, L. De Petrocellis, D. Siniscalco, S. Perrotta, B. Nobili, V. Di Marzo, S. Maione (*Napoli*)
- P-9/14 **White cells count in smokers affected by rheumatic diseases**
E. Calzavara, M. Navarra, A. Carnì, C. Mannucci, A. Pieratti, V. Cafeo, M. Miroddi, A. P. Caputi, G. Calapai (*Messina*)

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Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session X

PHARMACOLOGY OF INFLAMMATION

Poster Commission Members: S. Brunelleschi (*Novara*), A. M. De Luca (*Bari*), E. Vegeto (*Milano*)

P-10/1 ABSTRACT RITIRATO

P-10/2 **Glucocorticoid-Induced Leucine Zipper (GILZ) controls T lymphocytes differentiation**

O. Bereshchenko, M. Coppo, M. Cimino, M. Di Sante, A. Venanzi, S. Bruscoli, C. Riccardi (*Perugia*)

P-10/3 **Role of Glucocorticoid-induced leucine zipper (GILZ) in the control of inflammation induced by spinal cord injury**

M. Di Sante, S. Cuzzocrea, M. Galuppo, S. Bruscoli, E. Velardi, C. Riccardi (*Perugia, Messina*)

P-10/4 **GITR gene deletion and GITR-Fc soluble protein administration inhibit multiple organ failure induced by zymosan**

A. Venanzi, M. Galuppo, G. Nocentini, E. Mazzon, E. Esposito, L. Riccardi, R. Di Paola, S. Bruscoli, C. Riccardi (*Perugia, Messina*)

P-10/5 **ApoA-I mimetic peptide P2a restores cholesterol esterification during inflammation and unmasks Apo A-I anti-inflammatory endogenous activity *in vivo***

V. Vellecco, M. Bucci, L. Cigliano, A. Rossi, L. Sautebin, F. Roviezzo, P. Abrescia, C. Pedone, G. Cirino (*Napoli*)

P-10/6 **Anti-inflammatory properties of clovamide and *Theobroma cacao* phenolic extracts in human monocytes: evaluation of respiratory burst, cytokine release, NF-κ B activation and PPARy**

C. Bardelli, H. W. Zeng, M. Locatelli, A. Amoruso, J.D. Coisson, F. Travaglia, M. Arlorio, S. Brunelleschi (*Novara, Shanghai*)

P-10/7 **A possible involvement of Monocyte-derived MicroParticles (MdMP) in alveolar macrophages inflammatory response**

A. Amoruso, P. Balbo, C. Bardelli, D. Federici-Canova, L. G. Fresu, S. Brunelleschi (*Novara*)

P-10/8 **Expression of PPAR γ in monocyte and monocyte-derived macrophage (MDM) in patients with rheumatoid arthritis**

A. Palma, PP. Sainaghi, L. G. Fresu, S. Brunelleschi, G. C. Avanzi (*Novara*)

P-10/9 **Anti-inflammatory effects of the CINOD NCX 429 in human**

monocytes and macrophages

D. Federici Canova, A. Amoruso, L. Fresu, J. Padron, M. Bolla, S. Brunelleschi (*Novara, Milano*)

- P-10/10 **PAR-2 (Proteinase-activated receptors 2) mediates arterial vasorelaxation in systemic sclerosis**
F. Roviezzo, L. De Gruttola, A. Bertolino, V. Vellecco, B. D'Agostino, V. Brancaleone, M. Bucci, G. Cirino (*Napoli*)
- P-10/11 **Effects of flavocoxid, a dual inhibitor of cyclooxygenase and 5-lipoxygenase enzymes, on benign prostatic hyperplasia**
A. Bitto, D. Altavilla, N. Irrera, F. Polito, S. Arena, L. Minutoli, H. Marini, F. Squadrito (*Messina*)
- P-10/12 **Pharmacological properties of N-(1-carbamoyl-2-phenyl-ethyl)butyramide, a new synthetic butyrate prodrug in inhibiting gastrointestinal transit, castor oil-induced diarrhoea and dextran sulfate sodium (DSS)-induced colitis**
R. Russo, G. D'Agostino, G. Mattace Raso, G. La Rana, R. Meli, R. Berni Canani, A. Calignano (*Napoli*)
- P-10/13 **PPAR- α mediates the anti-inflammatory effect of simvastatin in an experimental model of zymosan-induced multiple organ failure**
M. Donniacuo, B. Rinaldi, E. Esposito, A. Capuano, L. Sodano, E. Mazzon, D. Di Palma, I. Paterniti, G. Gritti, S. Cuzzocrea, F. Rossi (*Napoli, Messina*)
- P-10/14 **Evaluation of biochemical features in nasal polypsis**
V. Carriero, S. Racca, G. Abbadessa, C. Ondolo, S. Aversa, S. Conticello, F. Di Carlo (*Torino*)
- P-10/15 **Morphometric analysis and evaluation of cellular inflammatory population in a model of mouse skin wound healing**
G. Santo, N. D'Atanasio, A. Capezzone de Joannon, L. Durando (*Roma*)
- P-10/16 **Does acyl CoA thioesterase 7 affect macrophage inflammatory phenotype?**
C. Bolego, T. Nishizawa, K.E. Bornfeldt (*Padova, Tokyo, Seattle*)
- P-10/17 **Protective effects of the poliaminocarboxylic compound Mn(II)Me₂DO₂A in osteoarticular pain models**
P. Failli, L. Di Cesare Mannelli, D. Bani, A. Bencini, B. Valtancoli, G. Biffi Gentili, M. Zanardelli, C. Ghelardini (*Firenze*)
- P-10/18 **A novel cross talk in resolution: H₂S activates the annexin A1 pathway**
V. Brancaleone, A. Sampaio, R. Flower, G. Cirino, M. Perretti (*Napoli, London*)
- P-10/19 **NF- κ B decoy ODN released from respirable and biodegradable PEI/PLGA particles inhibits MUC2 expression in LPS-stimulated human lung cells**
D. De Stefano, F. Ungaro, C. Giovino, A. Polimeno, F. Quaglia, R. Carnuccio (*Napoli*)
- P-10/20 **Cell lines characterization for MCP-3/CCL7 expression and**

production in response to proinflammatory stimuli

E. Castelli, C. Apicella, C. Bartella, G. Innocente, M. Vitiello, F. Mancini, I. Coletta, G. Mangano, L. Durando, A. Guglielmotti (*Roma*)

- P-10/21 **Set up of an *in vitro* model to evaluate potential inhibitors of IL-12p40 and TNF- α**

C. Bartella, C. Apicella, E. Castelli, G. Innocente, M. Vitiello, N. D'Atanasio, E. Teveroni, F. Mancini, I. Coletta, G. Mangano, A. Capezzone de Joannon, C. Milanese (*Roma*)

- P-10/22 **Pharmacological characterization of the novel microsomal prostaglandin(PG)E synthase-1 inhibitor AF3485**

L. Di Francesco, A. Bruno, E. Ricciotti, M. Dovizio, E. Marcantoni, P. Anzellotti, B. Garrone, C. Milanese, I. Coletta, P. Patrignani (*Chieti, Philadelphia, Roma*)

- P-10/23 **The ocular antiallergic action of mapracorat, a novel selective glucocorticoid receptor agonist, involves eosinophils and mast cells: evidence from human cells in vitro and an animal model**

M. Baiula, A. Spartà, A. Bedini, G. Carbonari, C. Bucolo, K.W. Ward, J-Z. Zhang, P. Govoni, S. Spampinato (*Bologna, Trento, Catania, Rochester, Parma*)

- P-10/24 **Novel antagonists of $\alpha_v\beta_3$, $\alpha_5\beta_1$ and $\alpha_4\beta_1$ integrins: attractive targets for cancer and anti-inflammatory therapeutics**

S. D. Dattoli, M. Baiula, A. Viola, R. De Marco, S. Spampinato (*Bologna*)

- P-10/25 **Effect of a chronic treatment with resveratrol on in vivo and ex vivo pathological signs of dystrophic mdx mouse**

R.F. Capogrosso, A. Cozzoli, V. Sblendorio, S. Gagliardi, V. Longo, M. Montagnani, B. Nico, A. De Luca (*Bari*)

- P-10/26 **Effect of palmitoylethanolamide in combination with luteolin on oxidative stress *in vitro*: modification of inflammatory response and apoptosis**

E. Esposito, S. Cuzzocrea (*Messina*)

- P-10/27 **Xolair, a new monoclonal drug anti-ige antibody for the treatment of allergic asthma**

M. Di Domenico, A. Bisogno, M. Polverino, C. De Rosa, V. Ricci, A. Capasso (*Cava dei Tirreni, Salerno*)

- P-10/28 **Visfatin/NAMPT/PBEF and inflammatory-related diseases: a study on patients with essential obesity**

R. Zaninetti, R. Rahimian, A. Amoruso, P. Marzullo, P. L. Canonico, S. Brunelleschi, L. Fresu, A. A. Genazzani (*Novara, Teheran*)

- P-10/29 **Palmitoylethanolamide inhibits release of nerve growth factor by inflammation-activated mast cells via the GPR55 orphan receptor**

M. Scollo, G. Cantarella, R. Bernardini (*Catania*)

- P-10/30 **Estrogen signaling pathway in inflammatory cells**

E. Vegeto, A. Maggi (*Milano*)

- P-10/31 **Ultrapotent effects of salvinorin A on LPS-stimulated murine macrophages and its antinflammatory action *in vivo***

G. Aviello, F. Borrelli, F. Guida, B. Romano, M. De Chiaro, J.K. Zjawiony, S. Maione, A.A. Izzo, R. Capasso (*Napoli, University*)

P-10/32 **Transient Receptor Potential Ankyrin 1 (TRPA1) is expressed in non-neuronal pulmonary cells and underlies IL-8 release elicited by cigarette smoke and other irritants**

S. Materazzi, R. Nassini, P. Pedretti, N. Moretto, C. Fusi, G. Volpi, R. Patacchini, P. Geppetti (*Firenze, Parma*)

FRIDAY, September 16, 2011

Poster Area

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Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session XI

ANTIBACTERIAL AND ANTIVIRAL CHEMOTHERAPY, ANTINEOPLASTIC DRUGS

Poster Commission Members: N. D'Alessandro (*Palermo*), A. Novelli (*Firenze*), F. Pea (Udine), F. Scaglione (*Milano*)

- P-11/1 **Chronic stress affects lung sphingosine kinase isoenzymes and increases the risk of lung bacterial infections**
V. Lucini, M. Pannacci, S. Dugnani, F. Scaglione (*Milano*)
- P-11/2 **Effects of itraconazole on the pharmacokinetics of ciprofloxacin and the intestinal metabolizing system (CYP450 and P-glycoprotein)**
A. Benini, T. Della Bora, E. Bertazzoni Minelli (*Verona*)
- P-11/3 **Population pharmacokinetics of daptomycin in patients affected by Gram-positive infections**
M. Polillo, C. Tascini, M. Lastella, G. Gemignani, L. Ciofi, V. Sarli, F. Menichetti, R. Danesi, A. Di Paolo (*Pisa*)
- P-11/4 **Peg-interferon/telbivudine sequential therapy in e antigen (HBeAg) negative severe chronic hepatitis B**
L. Gallelli, O. Staltari, B. Caroleo, V. Guadagnino, G. De Sarro (*Catanzaro*)
- P-11/5 **Bilirubin: an endogenous molecule with antiviral activity *in vitro***
R. Santangelo, C. Mancuso, S. Marchetti, E. Barone, R. Siciliano, G. Fadda (*Roma*)
- P-11/6 **Linezolid tailored therapy through therapeutic drug monitoring in a patient with nocardiosis assuming p-glycoprotein (P-gp) inhibitors**
P. G. Cojutti, F. Pea, A. Pagotto, F. Cristini, P. Viale, M. Furlanut (*Udine, Bologna*)
- P-11/7 **Therapeutic drug monitoring (TDM)-guided therapy in three-times weekly teicoplanin treatment for chronic infections**
P. G. Cojutti, F. Pea, B. Del Pin, B. Cadeo, M. Furlanut (*Udine*)
- P-11/8 **Linezolid plasma concentrations and occurrence of drug-related side effects in patients with gram-positive infections**
S. Fucile, V. Cozzi, S. Baldelli, G. Orlando, E. Clementi, D. Cattaneo (*Milano, Bergamo*)
- P-11/9 **"*In vitro*" evaluation of the antimycotic activity of glabridin on multi-resistant *Candida* strains**
T. Rossi, A.I. Ruberto, L. Baroni, E. Bortolazzi, A. Fabio (*Modena*)
- P-11/10 **Antifungal activity of some essential oils against multi-resistant *candida* strains**

- T. Rossi, S. Benvenuti, F. Pellati, A.I. Ruberto, E. Bortolazzi, L. Baroni, A. Fabio (*Modena*)
- P-11/11 **Botanicals used as food supplements interfering with EphA2- ephrinA1 system: a screening study**
C. Giorgio, I. Hassan Mohamed, R. Bruni, L. Flammini, E. Barocelli, A. Guerrini, S. Bertoni, M. Tognolini (*Parma, Ferrara*)
- P-11/12 **Lithocholic acid is an Eph-ephrin ligand interfering with Eph- kinase activation**
I. Hassan Mohamed, C. Giorgio, L. Flammini, E. Barocelli, M. Incerti, A. Lodola, M. Tognolini (*Parma*)
- P-11/13 **Antitumor effects of novel co-drugs linking histone deacetylase and ribonucleotide reductase inhibitors in hematological tumors**
A. Ferro, L. Cappellacci, A. Mingrino, R. Petrelli, M. Tolomeo, P. Vita, N. D'Alessandro, L. Dusonchet, P. Franchetti, M. Grifantini, M. Meli (*Palermo, Camerino*)
- P-11/14 **Mitochondria defect and cisplatin resistance: relationships on ovarian cancer cells**
M. Montopoli, M. Bellanda, E. Ragazzi, D. Catanzaro, G. Froldi, S. Mammi, L. Caparrotta (*Padova*)
- P-11/15 **Circulating levels of EGFR endogenous ligands as pharmacodynamic markers of EGFR inhibition by cetuximab in combination with irinotecan in metastatic colorectal cancer (mCRC)**
G. Bocci, C. Cremolini, A. Fioravanti, P. Orlandi, L. Salvatore, G. Masi, M. Schirripa, B. Canu, T. Di Desidero, G. Fontanini, F. Basolo, R. Danesi, A. Falcone, F. Loupakis (*Pisa*)
- P-11/16 **Antiangiogenic and antitumour activity of CLM3, a novel multiple tyrosine kinase inhibitor, alone and in combination with SN-38**
A. Fioravanti, C. La Motta, P. Orlandi, B. Canu, T. Di Desidero, L. Mugnaini, S. Cosconati, S. Sartini, R. Frati, A. Antonelli, P. Berti, P. Miccoli, F. Da Settimo, R. Danesi, G. Bocci (*Pisa*)
- P-11/17 **Pharmacokinetic and pharmacodynamic evaluations of metronomic uracil/tegafur (UFT), cyclophosphamide (CTX) and celecoxib (CXB) in patients with advanced refractory gastrointestinal cancers**
T. Di Desidero, G. Allegrini, M. T. Barletta, A. Fioravanti, P. Orlandi, B. Canu, S. Chericoni, A. Di Paolo, F. Loupakis, G. Masi, M. Giusiani, M. Del Tacca, R. S. Kerbel, A. Falcone, R. Danesi, G. Bocci (*Pisa, Toronto*)
- P-11/18 **Maesopsin 4-O- β -D-glucoside (TAT-2), a natural compound isolated from the leaves of *Artocarpus tonkinensis*, inhibits proliferation of acute myeloid leukemia**
N. Pozzesi, S. Pierangeli, C. Riccardi, D. V. Delfino (*Perugia*)
- P-11/19 **HDAC inhibitors induce NIS expression in testicular cells of carcinoma**
V. Maggisano, M. Celano, M. D'Agostino, G. Tamburrano, A. Verrienti, M.V. Dima, S. Micali, G. Isgrò, G. Sammarco, M. Sponziello, C. Durante, R. Sacco, D. Russo (*Catanzaro, Roma*,

Modena)

- P-11/20 **Two marine sesterterpenoids induce apoptosis in human carcinoma cells**
D. De Stefano, G. Tommonaro, S. De Rosa, G. Kroemer, M.C. Maiuri, R. Carnuccio (*Napoli, Pozzuoli, Villejuif*)
- P-11/21 **Possible mechanisms of Raf-1 Kinase Inhibitor Protein down-regulation in hepatocellular carcinoma**
M. Notarbartolo, P. Poma, N. Vivona, M. Labbozzetta, R. Porcasi, N. D'Alessandro (*Palermo*)
- P-11/22 **Structure activity relation of rigid analogues of combretastatin A4, a tubulin depolymerizing agent with antitumoral activity**
A. Caldarelli, S. Theeramunkong, A. Massarotti, D. Caprioglio, A. Teruggi, T. Pirali, P. L. Canonico, G. C. Tron, A. A. Genazzani (*Novara*)
- P-11/23 **Cholesteryl butyrate solid lipid nanoparticles inhibit adhesion and migration of colon cancer cells**
R. Minelli, P. Pettazzoni, L. Serpe, G. Barrera, R. Fantozzi, G. P. Zara, C. Dianzani (*Torino*)
- P-11/24 **Novel inhibitors of microsomal prostaglandin E synthase-1 suppress tumor growth and angiogenesis**
E. Terzuoli, S. Donnini, F. Finetti, I. Coletta, G. Mangano, A. Giachetti, L. Polenzani, M. Ziche (*Siena, Roma*)
- P-11/25 **Pharmacogenomic markers of clinical efficacy in a dose-dense therapy regimen (R-CHOP14) in diffuse large B cell lymphoma: preliminary results**
C. Napoli, S. Nobili, I. Landini, G. Perrone, B. Puccini, G. Antognoli, M. Doria, M. Martelli, E. Finolezzi, L. Rigacci, S. Di Lollo, A. Bosi, E. Mini (*Firenze, Roma*)
- P-11/26 **A newest cetuximab-based bio-chemo-immunotherapy regimen enhances antigen presentation and cytotoxic T cell activity in advanced colorectal cancer patients**
E. Bestoso, C. Botta, S. Apollinari, L. Micheli, G. Giorgi, P. Correale (*Siena*)
- P-11/27 **Bevacizumab impairs the activity of the major VEGF-carrier cells: neutrophils and platelets**
C. Botta, E. Bestoso, S. Apollinari, D. Cerretani, G. Giorgi, P. Correale (*Siena*)
- P-11/28 **Characterization of nicotinamide phosphoribosyl transferase inhibitors as anticancer agents**
C. Travelli, U. Galli, G. C. Tron, P. L. Canonico, A. A. Genazzani (*Novara*)
- P-11/29 **Selumetinib sensitivity in human colorectal cancer and non-small cell lung cancer**
L.P. Ciuffreda, S. Costantino, T. Troiani, R. Russo, E. Martinelli, F. Ciardiello, F. Rossi, L. Berrino (*Napoli*)
- P-11/30 **5-Aminolevulinic acid and high energy shock waves for sonodynamic therapy: effects on SK-N-BE and SH-SY5Y**

neuroblastoma cell lines

L. Serpe, R. Canaparo, F. Foglietta, G. P. Zara, M. Eandi, C. Ferretti, R. Frairia (*Torino*)

- P-11/31 ***In vitro anticancer activity of Hemidesmus Indicus in human leukemia cells: cellular and molecular pathways***

M. Lenzi, C. Fimognari, L. Ferruzzi, E. Turrini, G. Cantelli Forti, P. Hrelia (*Bologna*)

- P-11/32 **Chemopreventive effects of cannabidiol and role of the endocannabinoid system in a model of carcinogenic-induced colon cancer**

G. Aviello, B. Romano, F. Borrelli, R. Capasso, F. Piscitelli, P. Orlando, S. Pace, F. Capasso, V. Di Marzo, A.A. Izzo (*Napoli, Pozzuoli*)

- P-11/33 **Molecular imaging by micro-PET to evaluate the antitumoral activity of natural molecules for the treatment of alveolar rhabdomyosarcoma**

E. Bergantin, C. Quarta, C. Nanni, S. Fanti, A. Pession, G. Cantelli-Forti, P. Hrelia, R. Tonelli (*Bologna*)

- P-11/34 **Generation of bioluminescent medulloblastoma mouse models and identification of different tumor progressions in the desmoplastic, classic and anaplastic variants**

E. De Marco, C. Camerin, L. Mezzanotte, A. Roda, A. Pession, P. Hrelia, R. Tonelli (*Bologna*)

- P-11/35 **BMYB: a new potential target for the therapy of MYCN-amplified neuroblastoma tumors**

I. Gnemmi, F. Gualdrini, F. Condorelli, P. L. Canonico, A. Sala (*Novara, London*)

- P-11/36 **Characterization of the effects of celecoxib and 2,5 di-methylcelecoxib on human Chronic Myeloid Leukemia**

B. Riva, F. Condorelli, P. L. Canonico (*Novara*)

- P-11/37 **A novel mechanism of action of RDC11: the targeting of the HIF-1 and mTOR pathways**

V. Vidimar, D. Guenot, M. Pfeffer, A. Bergamo, G. Sava, JP. Loeffler, C. Gaiddon (*Trieste, Strasbourg*)

FRIDAY, September 16, 2011

Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session XII

DRUGS FOR BLOOD AND THE LYMPHATIC SYSTEM DISORDERS, IMMUNOPHARMACOLOGY AND VACCINE, CLINICAL TRIALS

Poster Commission Members: G. Lombardi (*Novara*), A. Martelli (*Genova*), M. Vacca (*Chieti*)

- P-12/1 **Aspirin resistance in patients with myeloproliferative neoplasms**
N. Candeo, S. Vettore, F. Tezza, I. Bertozzi, M. L. Randi (*Padova*)
- P-12/2 **Therapeutic drug monitoring of imatinib in patients affected by chronic myeloid leukemia**
M. Lastella, S. Galimberti, M. Polillo, M. Rousseau, E. Sordi, C. Baratè, M. Petrini, R. Danesi, A. Di Paolo (*Pisa*)
- P-12/3 **Monitoring circulating deferasirox levels in chronic myeloid thalassemic patients**
S. De Francia, D. Massano, E. Pirro, F.M. Piccione, M. Serra, F. Di Carlo, A. Piga (*Torino*)
- P-12/4 **Therapeutic drug monitoring of imatinib in leukemic patients: comparison between an HPLC-UV method and an LC-MS/MS method**
E. Pirro, S. De Francia, F.M. Piccione, R. Arvonio, G. Muccioli, M. Ruoppolo, F. Di Carlo (*Orbassano, Napoli*)
- P-12/5 **Cytotoxic activity of human iNKT cells against osteosarcoma cells**
S. Fallarini, T. Paoletti, G. Lombardi (*Novara*)
- P-12/6 **Frequency and phenotype of circulating invariant NKT cells in malignant pleural mesothelioma patients**
E. Altomare, S. Fallarini, M. Botta, G. Lombardi (*Novara, Casale Monferrato*)
- P-12/7 **CD4⁺CD25^{low}GITR⁺ cells: a novel human CD4⁺ regulatory T cell subset dysregulated in autoimmune diseases**
M. G. Petrillo, A. Alunno, R. Bianchini, O. Bistoni, S. Ronchetti, G. Nocentini, R. Gerli, C. Riccardi (*Perugia*)
- P-12/8 **Immunological evaluation of peptides derived from Bcr/Abl-Out of Frame fusion protein in HLA A2.1 transgenic mice**
C. Casnici, K. Crotta, G. Volpe, D. Lattuada, O. Marelli (*Milano, Torino*)
- P-12/9 **A de novo mutation in Caveolin-3 gene may confer genetic susceptibility for long QT syndrome**
A. A. Nasti, F. Alessandrini, V. Lariccia, M. Pesaresi, A. Tagliabracci, S. Amoroso (*Ancona*)

- P-12/10 **DNA vaccination against ERBB2 oncoantigen impairs oral tumor development**
G.N. Berta, A.E. Sprio, P. Salamone, F. Di Scipio, G. Forni, F. Cavallo (*Torino*)
- P-12/11 **A phase IV, randomized, controlled, open-label, study on efficacy of naltrexone combined with psychotherapy for treatment of alcohol dependence (Diatrex 0709 Study)**
F. Mattioli, C. Fucile, V. Marini, ML. Zuccoli, D. Barciocco, A. Sumberaz, G. Testino, A. Martelli (*Genova*)
- P-12/12 **The effect of omalizumab on exacerbation frequency, corticosteroids intake and peripheral blood eosinophils count in atopic asthmatic patients**
L. Gallelli, G. Pelaia, P. Romeo, T. Renda, MT. Busceti, M. Marrazzo, G. De Sarro, R. Maselli (*Catanzaro*)
- P-12/13 **Dissemination of clinical trial results through clinical trial registers**
M. Vietri, S. Benemei, C. Lupi, A. Xheka, P. Geppetti, A. Mugelli (*Firenze*)
- P-12/14 **Combined oral contraceptives induce epigenetic modifications and change in expression and activity of estrogen receptors in monocyte-derived macrophages**
I. Campesi, M. Sanna, C. Carru, A. Zinelli, L. Rubattu, P. Bulzomi, G. Seghieri, G. Tonolo, M. Palermo, G. Rosano, M. Marino, F. Franconi (*Sassari, Roma, Pistoia, Olbia*)
- P-12/15 **Clinical research in paediatrics: new momentum and critical aspects**
C. A. Rizzi, C. Conz, C. Fiorella (*Milano*)
- P-12/16 **A model of randomized controlled trial applied to clinical procedures rather than to drug comparison: the Hip-Hop study in very preterm infants with hypotension**
L. Gagliardi, R. Bellù, R. Zanini, C. A. Rizzi (*Camaiore, Lecco, Milano*)
- P-12/17 **Performance and tolerability of a medical device containing hyaluronic acid and collagenase for the management of chronic venous ulcers**
S.R. Georgescu, V. Clatici, S.H. Morariu, I. Stoicescu, N. Giordan, F. Montanaro, D. F. Barattini (*Bucarest, Targu Mures, Craiova, Abano Terme*)
- P-12/18 **Difference in bioavailability of commercially available rifaximin equivalent drugs.**
A. Giusti, A. Marzo, V. Lauro (*Ligornetto, Bologna*)

FRIDAY, September 16, 2011

Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session XIII

PHARMACOVIGILANCE, PHARMACOEPIDEMIOLOGY

Poster Commission Members: C. Blandizzi (*Pisa*), A. Capuano (*Napoli*), F. De Ponti (*Bologna*), A. Mugelli (*Firenze*)

- P-13/1 **The presence of two specific SNP may reduce mesalazine efficacy. Future prospects for the clinical management of IBD patients**
V. Perrone, E. Moroni, P. Danelli, C. Perrotta, C. Carnovale, R. Cognato, G. Milani, E. Clementi, S. Radice, S. Antoniazzi (*Milano*)
- P-13/2 **Intensive monitoring program of adverse drug reactions in emergency department (MEREAFaPS study): the Tuscan experience**
A. Pergola, C. Blandizzi, M. Rossi, A. Capogrosso Sansone, M. Moschini, F. Rimoli, E. Cecchi, A. Vannacci, S. Montagnani, C. Scollo, E. Ruggiero, S. Mantarro, L. Picchianti, M.C. Leo, G. Giustarini, T. Testi, M. Santini, L. Spisni, F. Mannelli, M. S. Verzuri, M. Tuccori (*Pisa, Siena, Firenze, Prato*)
- P-13/3 **Lens care products efficacy and tolerance, a difficult balance. A review of literature data**
V. Ghirardi, A. Nunziata (*Pomezia*)
- P-13/4 **A case of haemorrhagic cystitis and conjunctivitis by inhaled albuterol and beclomethasone**
C. Carnovale, A. Piazza, S. Antoniazzi, V. Perrone, E. Clementi, S. Radice (*Milano, Monza*)
- P-13/5 **Impact of notoriety bias on reporting of pancreatitis with antidiabetics: the case of exenatide**
E. Raschi, C. Piccinni, E. Poluzzi, F. De Ponti (*Bologna*)
- P-13/6 **Combined treatment of phenobarbital and lamotrigine induced blood dyscrasia in an epileptic patient**
L. Gallelli, A. Siniscalchi, G.A. Tolotta, C. Palleria, C. Giofrè, G. De Sarro (*Catanzaro, Cosenza*)
- P-13/7 **Prescription of potential drug-drug interaction in two Italian Regions**
E. Tragni, M. Casula, V. Pieri, G. Favato, A. Marcobelli, M.G. Trotta, A.L. Catapano (*Milano, Ancona, Potenza*)
- P-13/8 **Adverse reactions related to systemic antibiotics: data from the French national pharmacovigilance database**
F. Salvo, F. Haramburu, C. Dumartin, A. Pariente, A. Fourrier-Réglat, P. Auriche, G. Miremont-Salamé (*Bordeaux, Paris*)

- P-13/9 **Psychiatric disorders associated with tyrosin-kinase inhibitors: a signal detection analysis of the Italian spontaneous reporting database of adverse drug reactions**
S. Montagnani, M. Tuccori, C. Scollo, S. Mantarro, G. Giustarini, C. Blandizzi (*Pisa*)
- P-13/10 **Skin cancers associated with anti-TNF- α drugs: a disproportional analysis of the Italian spontaneous reporting database of adverse drug reactions**
S. Mantarro, M. Tuccori, C. Scollo, S. Montagnani, G. Giustarini, M. Moschini, F. Lapi, A. Testi, E. Ruggiero, A. Vannacci, L. Sottosanti, A. Mugelli, F. Ferrazin, C. Blandizzi (*Pisa, Firenze, Roma*)
- P-13/11 **Alopecia effluvium following administration of bivalent vaccine as prophylaxis against human papilloma virus: two case reports**
C. Scollo, M. Tuccori, C. Pisani, G. Giustarini, S. Montagnani, S. Mantarro, C. Cirinei, F. Lena, M. Rubinelli, M. Pardini, L. Bachini, C. Blandizzi (*Pisa, Livorno, Grosseto*)
- P-13/12 **Oral anticancer drug and patient safety**
F. Musicco, M. G. Celeste, A. Tufo, C. Peschi, R. Fraschetti, N. Mores (*Roma*)
- P-13/13 **Findings of osteonecrosis of the jaw under combined bisphosphonate and antiangiogenic therapies: an emergent problem?**
I. Morreale, A. Alaimo, O. Di Fede, A. Musciotto, V. Fusco, N. D'Alessandro, G. Campisi (*Palermo, Alessandria*)
- P-13/14 **Adverse events and interactions due to Chinese herbal drugs in Italy. A three-year pharmacoepidemiology, pharmacogenomic and pharmacovigilance survey**
A. Vannacci, F. Lapi, E. Gallo, A. Pugi, E. Lucenteforte, R. Bonaiuti, V. Mascherini, R. Raschetti, F. Menniti-Ippolito, A. Mugelli, F. Firenzuoli (*Firenze, Roma*)
- P-13/15 **Italian post-marketing surveillance for adverse event reports after MF59-adjuvanted H1N1v vaccination**
E. Parretta, B. Ianniello, F. Ferrazin, F. Rossi, A. Capuano (*Napoli, Roma*)
- P-13/16 **Prescribing pattern and adherence to the statins therapy: a population-based study in Italian primary health care**
L. Sportiello, A. Capuano, C. Ferrajolo, C. Pagliaro, I. Lombardi, C. Sirianni, R. Ferrara, M. Tari, A.P. Caputi, F. Rossi, V. Arcoraci (*Napoli, Rotterdam, Caserta, Messina*)
- P-13/17 **Observational study comparing the safety of typical and atypical antipsychotic drugs in patients affected by dementia with Behavioural and Psychological Symptoms of Dementia (BPSD)**
M. G. Sullo, R. Formica, S. Potenza, I. Putaturo, R. Cusano, T. Pisapia, S. Ruggiero, B. Rinaldi, A. Capuano, F. Rossi (*Napoli, Roma*)
- P-13/18 **Analysis of toxic exposures to cosmetic products through the data base of the Poison Control Centre of the Niguarda Ca' Granda Hospital**

- S. Ruggiero, P.A. Moro, F. Davanzo, L. Sportiello, A. Capuano, R. Rossi, L. Sautebin (*Napoli, Milano*)
- P-13/19 **Inadequate cancer pain management in clinical trials**
V. Maggini, E. Lucenteforte, R. Maione, V. Fabbroni, C. Tomino, A. Mugelli (*Firenze, Roma*)
- P-13/20 **Acute hepatitis associated with use of green tea and oral contraceptives: a case report**
E. Gallo, A. Pugi, V. Maggini, G. Pieraccini, R. Notaro, L. Longo, V. Annese, G. Vannozzi, F. Firenzuoli, A. Mugelli, A. Vannacci (*Firenze*)
- P-13/21 **Post-marketing drug surveillance of psychotropic drugs: a pilot study in a pediatric setting**
M. S. Gagliostro, A. Magazù, V. Arcoraci, P.M. Cutroneo, A. Gagliano, E. Germanò, R. Siracusano, G. Masi, E. Spina (*Messina, Pisa*)
- P-13/22 **An investigation on the perception of the risk on the use of medicinal plants commonly used and sold by herbalists in Tuscany**
E. Gallo, E. Lucenteforte, S. Harrison, M. Di Pirro, M. Moschini, L. Gori, V. Mascherini, F. Firenzuoli, A. Mugelli, A. Vannacci (*Firenze*)
- P-13/23 **Adverse reactions to incretin-based therapies: data from the Italian spontaneous reporting system**
P. M. Cutroneo, L. Sottosanti, A. Russo, P. Cananzi, V. Pizzimenti, D. Crupi, S. Potenza, D. Morlino, F. Ferrazin, A. P. Caputi (*Messina, Roma, Palermo*)
- P-13/24 **Potential interactions between synthetic drugs, herbal medicine and dietary supplements during preoperative anaesthesiological assessment**
E. Gallo, A. Pugi, E. Lucenteforte, G. Diddi, M. La Torre, P. Lupi, F. Lapi, A. Mugelli, F. Firenzuoli, A. Vannacci (*Firenze, Prato, Empoli*)
- P-13/25 **Lack of standardization in a cod liver oil dietary supplement: three cases of hypervitaminosis D**
A. Vannacci, E. Gallo, E. Giocaliere, A. Pugi, F. Menniti-Ippolito, D. Bettoni, F. Capurro, G. Pieraccini, G. Moneti, F. Firenzuoli (*Firenze, Roma, Brescia, Novara*)
- P-13/26 **Use of medicinal natural products by Italian women in Sicily**
A. Pieratti, D. Crupi, G. Calapai, A. De Sarro (*Messina*)
- P-13/27 **Intensive monitoring of AdverSe drug reactions in patients receiving pharmacological Treatments for Rheumatoid Arthritis and other rheumatologic diseases, with particular focus on biotechnoLoGicAL drUgS: the ASTRAGALUS study. A preliminary 6-month analysis**
G. Giustarini, M. Tuccori, L. Bazzichi, S. Manganelli, F. Peruzzi, O.M. Sacu, L. Picchianti, A. Capogrosso, M. Rossi, F. Sernissi, C. Giacomelli, R. Neri, M.G. De Montis, F. Nacci, F. Lapi, A. Pergola, C. Scollo, S. Mantarro, L. Sabadini, A. Mugelli, S. Bombardieri, M. Matucci-Cerinic, M. Galeazzi, C. Blandizzi (*Pisa, Siena, Firenze, Arezzo*)
- P-13/28 **Safety profile of antiviral analogues: a case/non case study using the Italian spontaneous reporting database**

- A. Pugi, R. Bonaiuti, M. Tuccori, M. Moschini, V. Maggini, L. Sottosanti, S. Potenza, F. Ferrazin, A. Mugelli, A. Vannacci, F. Lapi (*Firenze, Pisa, Roma*)
- P-13/29 **Torsade de Pointes and QT prolongation with antipsychotics: a disproportionality analysis in the FDA Adverse Event Reporting System (FDA_AERS)**
E. Raschi, E. Poluzzi A. Koci, F. De Ponti (*Bologna*)
- P-13/30 **Tramadol-associated Psychiatric Adverse Events: A signal from the pharmacovigilance data of Italian Medicines Agency (AIFA)**
L. Sottosanti, F. Ferrazin, A. Capuano, F. Rossi, S. Potenza (*Roma, Napoli*)
- P-13/31 **Assessing the risk of osteonecrosis of the jaw (ONJ) due to bisphosphonates (BP) therapy in the secondary prevention of osteoporotic fractures**
F. Lapi, E. Sessa, M. Di Bari, G. Corrao, A. Zambon, L. Scotti, M. Sturkenboom, P. Geppetti, D. Gregori, F. Carle, A. Menna, AR. Vestri, A. Vaccheri, C. Piccin, A. Puccini, N. Montanaro, V. Arcoraci, AP. Caputi, G. Mazzaglia (*Firenze, Milano, Rotterdam, Padova, Ancona, Latina, Bologna, Messina*)
- P-13/32 **Prescription of proton pump inhibitors during 2006-2009 in Campania region**
E. Tragni, M. Casula, S. Riegler, CM. Desogus, M. Gentili, S. Cammarota, A. Citarella, E. Menditto, E. Novellino, A. L. Catapano (*Milano, Napoli*)
- P-13/33 **Prescription of anti-osteoporosis drugs during 2004-2006 in an Italian Local Health Unit**
M. Casula, E. Tragni, A. Filippi, F. Decè, L. Defendi, L. Gandolfi, L. Perego, R. Piccinelli, A. L. Catapano (*Milano, Firenze, Bergamo*)
- P-13/34 **Adherence to anti-osteoporosis therapy in an Italian population**
M. Casula, E. Tragni, A. Filippi, F. Decè, L. Defendi, L. Gandolfi, L. Perego, R. Piccinelli, A. L. Catapano (*Milano, Firenze, Bergamo*)
- P-13/35 **The Safety of NSAIDs (SOS) project: what can be learned from quantitative reviews of RCTs**
F. Salvo, A. Fourrier-Réglat, F. Bazin, M. Balzarin, N. Riera, P. Robinson, M. Haag, N. Moore, M.C. Sturkenboom, A. Pariente (*Bordeaux, Padova, Barcelona, Rotterdam*)
- P-13/36 **NSAIDs safety evaluation: what misses from RCTs? Methodological issues and knowledge gaps identified through the SOS project**
F. Salvo, A. Fourrier-Réglat, F. Bazin, M. Balzarin, N. Riera, M. Haag, N. Moore, M.C. Sturkenboom, A. Pariente (*Bordeaux, Padova, Barcelona, Rotterdam*)
- P-13/37 **Pattern of triptan use and cardiovascular co-prescription: a pharmacoepidemiological study in Italy**
C. Biagi, E. Poluzzi, G. Roberto, A. Puccini, A. Vaccheri, R. D'Alessandro, D. Motola, N. Montanaro (*Bologna*)

- P-13/38 **Predictors of non-adherence with oral bisphosphonates: an Italian retrospective cohort study on administrative databases**
C. Piccinni, A. Puccini, C. Suzzi, E. Poluzzi, C. Sacripanti, E. Buccellato, F. Lapi, G. Mazzaglia, A. Vaccheri (*Bologna, Firenze*)
- P-13/39 **Prescription patterns of oral bisphosphonates in Italian patients with osteoporosis**
C. Suzzi, C. Piccinni, A. Puccini, E. Poluzzi, C. Sacripanti, E. Buccellato, F. Lapi, G. Mazzaglia, A. Vaccheri (*Bologna, Firenze*)
- P-13/40 **Risk of potentially drug-induced hepatic injury in paediatric population: data mining on electronic healthcare databases in Europe**
C. Ferrajolo, K. M.C. Verhamme, A. Capuano, G. Trifirò, A. Oteri, G. Picelli, G. Mazzaglia, C. Cricelli, F. Rossi, M. C. J. M. Sturkenboom (*Napoli, Rotterdam, Messina, Desio, Firenze*)
- P-13/41 **Antiepileptic drugs: prescribing patterns and interaction risk in general practice**
M. S. Gagliostro, R. Ferrara, C. Sirianni, C. Pagliaro, I. Lombardi, S. Moretti, M. Tari, A. Capuano, E. Spina, V. Arcoraci (*Messina, Caserta, Napoli*)
- P-13/42 **Risk-management of natalizumab: a drug utilization study on duration of therapy and cause of discontinuation in Emilia-Romagna region**
C. Sacripanti, C. Piccinni, A. Puccini, E. Poluzzi, N. Montanaro (*Bologna*)
- P-13/43 **Development and validation of "CeNSE": a score to Classify pain and palliative care SErvices**
E. Lucenteforte, V. Maggini, S. Rodella, F. Collini, G. Guidi, M. Scollo Abeti, A. Messeri, A. Mugelli, F. Lapi, A. Vannacci (*Firenze*)
- P-13/44 **"Fiesole Misurata" database: an ongoing project to investigate how to enhance adherence to antihypertensive medications**
E. Lucenteforte, R. Bonaiuti, V. Maggini, A. Pugi, M. Moschini, M. Di Pirro, A. Barchielli, M. Belladonna, N. Nesti, A. Ungar, A. Mugelli, A. Vannacci, F. Lapi (*Firenze*)
- p-13/45 **Use of proton pump inhibitors (PPIs) in clinical practice: a population-based study in the years 2004-2009**
C. Sirianni, R. Ferrara, M. S. Gagliostro, A. Cannata, C. Pagliaro, I. Lombardi, S. Moretti, M. Tari, A. Capuano, F. Rossi, A. P. Caputi, V. Arcoraci (*Messina, Caserta, Napoli*)
- P-13/46 **ACE inhibitors and Angiotensin II Receptor Blockers (ARBs) prescribing patterns: 6 years follow-up in general practice**
R. Ferrara, C. Sirianni, M. S. Gagliostro, A. Cannata, C. Pagliaro, I. Lombardi, S. Moretti, M. Tari, A. Capuano, F. Rossi, A. P. Caputi, V. Arcoraci (*Messina, Caserta, Napoli*)
- P-13/47 **Low molecular weight heparins prescribing patterns in the local health authority of Messina, Italy, during 2010**
S. Coppolino, C. Sgroi (*Messina*)

FRIDAY, September 16, 2011

Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session XIV

EXPERIMENTAL AND CLINICAL TOXICOLOGY, COMPLEMENTARY MEDICINES, ORPHAN DRUGS

Poster Commission Members: M. Cimino (*Urbino*), G. Di Renzo (*Napoli*), M. Marinovich (*Milano*)

- P-14/1 **The transcription factor REST is a novel molecular target for the neurotoxic effect of the polychlorinated biphenyl mixture Aroclor 1254 in neuroblastoma SH-SY5Y cells**
L. Formisano, N. Guida, S. Cocco, A. Secondo, R. Sirabella, L. Ulianich, F. Paturzo, G. Di Renzo, L. M. T. Canzoniero (*Benevento, Napoli*)
- P-14/2 **Enzyme induction is independent on liver functional status**
S. De Martin, M. Floreani, A. Nassi, P. Palatini (*Padova*)
- P-14/3 **Drug metabolism modulation-based anticancer strategy: "organic" vs "integrated" apple mono-diet**
D. Canistro, A. Sapone, S. Melega, M. Paolini (*Bologna*)
- P-14/4 **Effect of aflatoxins on immune response in vitro in LPS-stimulated J774A.1 murine macrophages**
G. Bianco, S. Marzocco, R. Russo, S. Velotto, G. Autore (*Salerno, Napoli*)
- P-14/5 **Bilirubin alters Fe(III)/Fe(II) ratio thus reducing lipid peroxidation in rat brain microsomes: a novel mechanism for the antioxidant role of bile pigments**
C. Mancuso, R. Siciliano, E. Barone, G. Minotti, P. Preziosi (*Roma*)
- P-14/6 **Effects of staurosporine in rodents skeletal muscle: a pharmacological model of muscle atrophy**
G. Cannone, S. Calzolaro, A. Mele, D. Conte Camerino, D. Tricarico (*Bari*)
- P-14/7 **Low level occupational benzene exposure: changes in serum levels of oxidative stress biomarkers and of the immuno-inhibitory cytokine IL-10**
M. Cristani, G. Spatari, S. Saitta, M. Carrieri, M. Barbaro, S. Gangemi, A. Saija, F. Mancari, D. Trombetta (*Messina, Padova*)
- P-14/8 **Acute dystonic reactions and dysarthria related to oxatomide dosing error: a case report**
M. Gallo, M.G. Contessa, M. Bosisio, M.L. Farina (*Bergamo*)
- P-14/9 **The polybrominated diphenyl ether flame retardants BDE-47 and BDE-209 induce oxidative DNA damage in a neuronal cell line**
C. Pellacani, A. Buschini, S. Galati, F. Mussi, S. Franzoni, L.G. Costa (*Parma*)

- P-14/10 **Oxidative DNA fragmentation in UVB-irradiated human keratinocyte cultures is reduced by the flavone glabridin and triterpenoids from *licorice* root**
S. Giudice, E. Veratti, C. Magnoni, L. Benassi, G. Bertazzoni, D. Morini, P. Azzoni, A. Giannetti, E. Bruni, T. Rossi (*Modena*)
- P-14/11 **Glutamyl cycle in the rat liver appears to be sex-gender specific**
I. Campesi, A. Galistu, C. Carru, F. Franconi, A. Zinelli (*Sassari*)
- P-14/12 **Oxidative imbalance in preterm resuscitation with different oxygen concentrations**
A. Speciale, R. Zena, M. Manfrida, E. Gitto, A. Saija, F. Cimino (*Messina*)
- P-14/13 **Immunological function following the first decade of smoking**
C. Mannucci, E. Calzavara, A. Carnì, A. Pieratti, A. Nunziata, A.P. Caputi, G. Calapai (*Messina, Roma*)
- P-14/14 **Palytoxin cytotoxicity restrains the use of Caco-2 cells for *in vitro* absorption assay**
M. Pelin, S. Sosa, G. Decorti, A. Tubaro, C. Florio (*Trieste*)
- P-14/15 ***In vitro* inhibition of cytochrome P450 (CYP) 2C8-mediated drug metabolism by the flavonoid diosmetin**
L. Quintieri, P. Palatini, S. De Martin, M. Floreani (*Padova*)
- P-14/16 **Characterization of different genotypes of *Jatropha curcas* L.**
A. Vitalone, L. Calabrone, G. Martelli, L. Milella, M. Nicoletti, G. Mazzanti (*Rome, Potenza*)
- P-14/17 **Antiproliferative activity of aged extracts of some Italian *Allium* species**
C. Nencini, S. Apollinari, P. Correale, L. Micheli (*Siena*)
- P-14/18 **Effects of *Ginkgo biloba* extract in a rat model of retinal damage induced by ischemia**
L. Micheli, S. Pannini, L. Barberi, C. Nencini, G. Giorgi (*Siena*)
- P-14/19 **Antimutagenic activity of 1,8-cineol, α -terpineol and β -caryophyllene oxide**
A. Di Sotto, S. Di Giacomo, F. Durazzi, M.G. Sarpietro, S. Ottimo, F. Castelli, G. Mazzanti (*Roma, Catania*)
- P-14/20 **Comparison of the effects of 4-(methylthio) butyl isothiocyanate on cell proliferation in lung cancer and normal epithelial cells**
A. Melchini, P. Maimone, N. Miceli, M.F. Taviano, S. Catania, A. Trovato, R. De Pasquale, C. Costa (*Messina*)
- P-14/21 **Bilberry anthocyanins prevent hyperoxia-induced alterations in human endothelial cells via MAPK phosphorylation**
S. Anwar, A. Smeriglio, E. Ricciardi, A. Speciale, A. Saija, F. Virgili, F. Cimino (*Messina, Roma*)
- P-14/22 **Clinical trials on “nutraceuticals”, trends in the methodological approach**
V. Ghirardi, A. Nunziata (*Roma*)

- P-14/23 **Cardiac rehabilitation on Sirt1 activity in patients with heart failure: preliminary data**
V. Conti, G. Corbi, G. Russomanno, V. Simeon, S. Latte, P. Capogrosso, N. Ferrara, F. Filippelli (*Napoli, Campobasso*)
- P-14/24 **A new hplc-uv validated method for therapeutic drug monitoring of deferasirox in thalassaemic patients**
F. M. Piccione, S. De Francia, E. Pirro, D. Massano, S. Racca, F. Di Carlo, A. Piga (*Torino*)
- P-14/25 **Eledoisin: a takychinin stimulating lacrimal and salivary secretion**
P. Capra (*Bologna*)

FRIDAY, September 16, 2011

Poster Area

Poster Display: for the duration of the day (8.30 am – 6.30 pm)
Author's attendance at poster site between **2.00 and 3.45 pm**

Poster Session XV

PHARMACOGENETICS, PHARMACOGENOMICS AND GENE THERAPY, INNOVATIVE AND BIOTECHNOLOGICAL DRUGS, DRUG INFORMATION

Poster Commission Members: A. Filippelli (*Napoli*), D. Fornasari (*Milano*), M. Marchi (*Genova*), E. Spina (*Messina*)

- P-15/1 **Clinical application of pharmacogenetics of DPYD to the diagnosis of toxicity induced by fluoropyrimidines**
M. Del Re, F. Loupakis, A. Michelucci, A. Di Paolo, A. Falcone, P. Simi, G. Bocci, M. Cantore, R. Bordonaro, A. Di Leo, C. Barbara, F. Cappuzzo, F. De Braud, R. Danesi (*Pisa, Carrara, Catania, Prato, Livorno, Milano*)
- P-15/2 **Polymorphisms of glutathione S-transferase (GST-M1 and GST-T1) and relapse in childhood Acute Lymphoblastic Leukemia (ALL)**
R. Franca, E. Cuzzoni, A. Zanut, P. Rebora, S. De Iudicibus, G. Decorti, MG. Valsecchi, M. Rabusin (*Trieste, Monza*)
- P-15/3 **Validation and implementation into routine clinical practice of a novel HLA-B*57:01 screening test for the prevention of abacavir hypersensitivity**
C. Dello Russo, L. Lisi, S. Di Giambenedetto, R. Cauda, P. Navarra (*Roma*)
- P-15/4 **Involvement of the mu-opioid receptor gene polymorphism A118G in alcohol dependent patients**
V. Marini, C. Fucile, ML. Zuccoli, D. Barciocco, L. Robbiano, F. Mattioli, A. Martelli (*Genova*)
- P-15/5 **Pharmacogenetic determinants of imatinib, dasatinib and nilotinib pharmacokinetics in chronic myeloid leukaemia patients**
A. Ariaudo, S. De Francia, A. D'Avolio, E. Pirro, F. M. Piccione, M. Simiele, C. Fava, G. Saglio, F. Di Carlo (*Torino*)
- P-15/6 **Pharmacogenetic determinants of mitotane pharmacokinetics in adrenocortical cancer patients**
F. De Martino, S. De Francia, A. D'Avolio, E. Pirro, F. M. Piccione, J. Cusato, A. Berruti, M. Terzolo, F. Di Carlo (*Torino*)
- P-15/7 **Prospective validation of a genetic-based algorithm for warfarin dosing. An *ad interim* analysis**
F. Groppa, A. Rossetto, V. Pengo, C. F. Zambon, G. De Rosa, M. Pelloso, P. Fogar, M. Gusella, M. Plebani, R. Padrini (*Padova, Rovigo*)

- P-15/8 **Role of EZH2 SNPs in metastatic Colorectal Cancer (mCRC) patients treated with FOLFIRI regimen**
E. Paolicchi, F. Crea, L. Fornaro, G. Masi, P. Frumento, F. Loupakis, L. Salvatore, C. Cremolini, M. Schirripa, F. Graziano, M. Ronzoni, V. Ricci, WL. Farrar, A. Falcone, R. Danesi (*Pisa, Pesaro, Milano, Frederick*)
- P-15/9 **Pharmacogenetics of ranibizumab in patients with age-related macular degeneration**
B. Canu, S. Lazzeri, P. Orlandi, E. Agosta, A. Fioravanti, T. Di Desidero, M. Figus, M. Nardi, R. Danesi, G. Bocci (*Pisa*)
- P-15/10 **Peroxisome proliferators activated receptors gamma and the inflammatory state of gastric mucosa**
A. Sapone, S. Melega, D. Canistro, L. Gatta, D. Vaira, D. Ranieri, A. Ieronimo, M. Paolini (*Bologna*)
- P-15/11 **The molecular composition, biophysical properties and drug responses of BK channels of slow and fast-twitch skeletal muscles are phenotype dependent**
M. M. Dinardo, G. M. Camerino, A. Mele, G. Cannone, R. Latorre, D. Conte Camerino, D. Tricarico (*Bari, Valparaiso Chile*)
- P-15/12 **VEGF-A polymorphisms are associated with clinical response and progression free survival in advanced hormone-refractory prostate cancer patients treated with a metronomic cyclophosphamide, dexamethasone and celecoxib schedule**
P. Orlandi, A. Fontana, A. Fioravanti, B. Canu, T. Di Desidero, L. Galli, L. De Rosa, A. Falcone, R. Danesi, G. Bocci (*Pisa*)
- P-15/13 **Correlation between *BclI* polymorphism in the NR3C1 gene and individual variations in lymphocyte-responses to glucocorticoids**
S. De Iudicibus, E. Cuzzoni, F. Bartoli, A. Ventura, G. Decorti (*Trieste*)
- P-15/14 **Role of genetic polymorphisms of enzymes involved in azathioprine activation and correlation with blood metabolite concentrations in pediatric patients with IBD**
E. Cuzzoni, S. De Iudicibus, G. Stocco, R. Franca, F. Bartoli, S. Martelossi, A. Ventura, G. Decorti (*Trieste*)
- P-15/15 **Clinical implications of MTHFR C677T polymorphism in cardiovascular diseases**
S. Magi, P. Castaldo, G.P. Perna, M. Marini, M. Francioni, A. A. Nasti, G. Galeazzi, C.A. Violet, S. Amoroso (*Ancona*)
- P-15/16 **Radiogenetics and the outcome of radiation-treated prostate cancer patients**
C. Zanuso, E. Cecchin, R. Bortolus, P. Biason, E. De Mattia, S. Boffo, M.G. Trovò, G. Toffoli (*Aviano (PN)*)
- P-15/17 **Investigation on MTHFR, DYPD and TSER polymorphisms in 5-fluorouracil toxicity: a case report**
A. Scalfini, S. Bodei, V. Ferrari, G. Arcangeli, F. Consoli, P. F. Spano, S. Sigala (*Brescia*)
- P-15/18 **Genome-wide identification of determinants of leukemia cell**

sensitivity to mercaptopurine

G. Stocco, W. Yang, K. Crews, W. Thierfelder, S. Paugh, B. Diouf, R. Mc Corkle, M. Den Boer, M. Relling, R. Pieters, W. Evans (*Trieste, Memphis, Rotterdam*)

P-15/19 Genetic polymorphisms in the early onset of oxaliplatin neuropathy after adjuvant FOLFOX

E. Cecchin, C. Zanuso, M. D'Andrea, N. Pella, D. Errante, S. Bonura, M. Bari, M. Medici, A. Buonadonna, P. Biaso, E. De Mattia, S. Boffo, G. Toffoli (*Aviano, Roma, Udine, Conegliano, Latisana, Noale, Mestre*)

P-15/20 Pharmacogenetic of warfarin: study on a population of Campania region

V. Simeon, V. Conti, G. Russomanno, V. Paribello, C. Mazzaccara, M.R. Lupone, A. Cottarelli, L. Sacchetti, C. Perricone, A. Filippelli (*Napoli*)

P-15/21 Influence of GRK4 and GNB3 polymorphisms on diagnosis and treatment outcome in major depression disorders

C. Crisafulli, M. Calabro, E. Spina, A. Chiesa, I. Massat, S. Linotte, R. Calati, S. Kasper, U. Bailer, Y. Lecrubier, M. Fink, I. Antonijevic, C. Forray, L. Snyder, J. Bollen, J. Zohar, D. De Ronchi, D. Souery, J. Mendlewicz, A. Serretti (*Messina, Bologna, Bruxelles, Vienna, Paris USA, Sint-Truiden*)

P-15/22 Genetic determinants of severe gastrointestinal toxicity during therapy with 6-mercaptopurine and methotrexate in pediatric acute lymphoblastic leukemia

G. Stocco, W. Yang, K.R. Crews, W.E. Thierfelder, S.P. Paugh, B. Diouf, J.R. McCorkle, G. Decorti, M. Londero, R. Franca, M.G. Valsecchi, M. Rabusin, M.V. Relling, C-H. Pui, W.E. Evans (*Trieste, Memphis, Milano*)

P-15/23 miRNA-dependent regulation of ABCG2 in imatinib resistant K-562 cells

E. Turrini, S. Haenisch, S. Laechelt, O. Brhun, P. Hrelia, I. Cascorbi (*Bologna, Kiel*)

P-15/24 NCX 434, a novel nitric oxide (NO)-donating triamcinolone acetonide analog shows long lasting activity in the VEGF-induced leakage model of diabetic macular edema in rabbits

F. Impagnatiello, C. De Nardi, S. Brambilla, V. Chirolì, A.H. Krauss, G. Prasanna, E. Ongini (*Milano, San Diego*)

P-15/25 Ocular hypotensive effects of NCX 139, a nitric oxide (NO)-donating latanoprost amide, in normotensive and ocular hypertensive rabbits and dogs

F. Impagnatiello, V. Borghi, F. Benedini, S.T. Carreiro, W.KM. Chong, G. Prasanna, A.H. Krauss, E. Ongini (*Milano, San Diego*)

P-15/26 Reversine increases plasticity of human mesenchymal stem cells

E. Arrigoni, E. Conforti, S. Niada, D. Stanco, M. Piccoli, L. de Girolamo, L. Anastasia, A.T. Brini (*Milano*)

P-15/27 Non-viral HPMA-oligolysine copolymers for improved siRNA delivery to neuron-like cells

G. Carbonari, R. Johnson, S.H. Pun, S. Spampinato (*Bologna*,

Seattle)

- P-15/28 **Human adipose-derived stem cells (hASCs) from obese patients and their feasible use in cell-based therapies**
D. Stanco, E. Arrigoni, L. De Girolamo, L. Salvatori, N. Niada, V. Yenagi, E. Petrangeli, A. Brini (*Milano, Roma*)
- P-15/29 **Independent information on drug efficacy and safety: 2009-2011 experience of the "SIF-Farmaci in Evidenza" newsletter**
M.A. Catania, M.R. Luppino, A.C. Rosa, S. Sigala, F. Casale, R. Fantozzi, SIF-Farmaci in Evidenza Network (*Messina, Torino, Brescia, Milano*)
- P-15/30 **Drug Information Service: an informative campaign on "Drugs and G6PD deficiency"**
P. Carta, A. Deidda, M.E. Stochino, E. Mosca, M. Del Zompo (*Cagliari*)
- P-15/31 **Information campaign and management of an independent website on drugs**
P. Carta, F. Ligas, C. Asuni, M.E. Stochino, V. Deiana, E. Mosca, C. Chillotti, M. Del Zompo (*Cagliari*)
- P-15/32 **Consultancy pharmacology as an activity of an independent service of information and formation on medicine**
F. Ligas, A. Deidda, V. Deiana, M. Pinna, M.E. Stochino, M. Del Zompo, R. Ardau (*Cagliari*)
- P-15/33 **Piperacillin/tazobactam: what will the future be like?**
A. Tomaino, M. Cristani, T. Arcoraci, M. Martorana (*Messina*)

FRIDAY, September 16, 2011

Sala Bianca - 3.45–5.45 pm

Symposium

MECHANISMS AND TARGETS IN NEUROPHARMACOLOGY

Chairpersons: V. Cuomo (*Roma*), P. Preziosi (*Roma*)

- 3.45 pm **Oleolethanolamide: a new player in the “gut-brain axis” controlling food intake**
S. Gaetani, V. Cuomo (*Roma*)

4.05 **Endocannabinoid-glucocorticoid interaction and emotional memory in rats**
P. Campolongo, V. Trezza, V. Cuomo (*Roma*)

4.25 **Heme oxygenase/biliverdin reductase-A protein levels and activity in the brains of subjects with Alzheimer disease and mild cognitive impairment**
C. Mancuso, P. Preziosi (*Roma*)

4.45 **Oral treatment with the novel γ -secretase modulator CHF5074 attenuates synaptic dysfunction and reduces tau phosphorylation in young, plaque-free Tg2576 mice**
R. Nisticò, M. Pizzi, B. Imbimbo (*Rende, Brescia, Parma*)

5.05 **Long-term high-dose atorvastatin decreases brain oxidative and nitrosative stress in a preclinical model of Alzheimer disease: A novel mechanism of action**
E. Barone, E. Head, D. A. Butterfield (*Roma, Lexington*)

FRIDAY, September 16, 2011

Sala Celeste - 3.45–4.15 pm

Lecture

Introduced by: M. Massi (*Camerino*)

3.45 pm THERAPEUTIC APPROPRIATENESS: A NEW PERSPECTIVE
F. De Ponti (*Bologna*)

(Educational support from DOC Generici)

FRIDAY, September 16, 2011

Sala Europauditorium - 3.30 – 5.30 pm

Symposium

MEDICINES AND INNOVATION: THERAPEUTIC NEEDS, SCIENTIFIC EVIDENCE, EUROPEAN SCENARIO

Chairpersons: N. Montanaro (*Bologna*), G. Recchia (*Verona*)

- | | |
|---------|---|
| 3.30 pm | Identifying innovation in drug therapy
J. Aaronson (<i>Oxford</i>) |
| 4.00 | The Italian algorithm of innovation and its implementation
D. Motola (<i>Bologna</i>) |
| 4.15 | The European approaches for assessing innovation: France, Germany, UK
F. Drago (<i>Catania</i>) |
| 4.30 | Innovation evaluation in pricing and reimbursement
A. Messori (<i>Firenze</i>) |
| 4.45 | Innovation evaluation at the regional level
G. Scroccaro (<i>Verona</i>) |

5.00 – 5.30 Round table: P. L. Canonico (*Novara*), C. Jommi (*Novara*), F. Rossi (*Napoli*), P. D. Siviero (*Roma*)

(Educational support from GlaxoSmithKline)

FRIDAY, September 16, 2011

Sala Ciano - 3.45–5.45 pm

Symposium

DIET AND CARDIOVASCULAR PREVENTION: FROM EPIDEMIOLOGY TO MOLECULAR MECHANISM

Chairpersons: A. Mugelli (*Firenze*), F. Rossi (*Napoli*)

- | | |
|---------|--|
| 3.45 pm | Mediterranean diet and cardiovascular prevention
D. Giugliano (<i>Napoli</i>) |
| 4.05 | Diet, plasmalipids, lipoproteins and atherosclerosis
A. Catapano (<i>Milano</i>) |
| 4.25 | Impact on cardiac excitation and contraction mechanisms
E. Cerbai (<i>Firenze</i>) |
| 4.45 | Diet, inflammatory profile, and complications of atherosclerotic plaque
L. Berrino (<i>Napoli</i>) |
| 5.05 | Diet and drugs: a synergic play for cardiovascular prevention
B. Trimarco (<i>Napoli</i>) |

FRIDAY, September 16, 2011

Sala Azzurra - 3.45–5.45 pm

Symposium

PATENT EXPIRED DRUGS: BETWEEN EVIDENCE AND BIAS

Chairpersons: P. Navarra (*Roma*), F. Scaglione (*Milano*)

3.45 pm **Bioequivalence: from pharmacology to the clinic**
F. Scaglione (*Milano*)

4.15 **Switching of drugs in the neuropsychiatric clinic**
C. Mencacci (*Milano*)

4.45 **Switching of drugs in the cardiovascular clinic**
S. Taddei (*Pisa*)

5.15 **Switching and legal issues: the point of view of the judge**
A. Castelnuovo (*Torino*)

(Educational support from Pfizer Italia)

FRIDAY, September 16, 2011

Sala Europauditorium - 5.45–6.30 pm

Plenary Lecture

Introduction: On. U. Scapagnini (*Roma*)

5.45 pm NEW INSIGHTS IN THE REGULATION OF ANGIOGENESIS
N. Ferrara (San Francisco)

SATURDAY, September 17, 2011

Sala Ciano - 8.30–10.30 am

Symposium

DIRECTIVE 2010/63/EU ON THE PROTECTION OF ANIMALS USED FOR SCIENTIFIC PURPOSES:
WHICH IMPLICATIONS FOR THE ITALIAN RESEARCH?

Chairperson: F. Drago (*Catania*)

- | | |
|---------|---|
| 8.30 am | Directive 2010/63/EU on the protection of animals used for scientific purposes
G. Botta (<i>Roma</i>) |
| 9.00 | Directive 2010/63/EU Vs. 1986/ 86/609/EEC: what chances?
G. Grignaschi (<i>Milano</i>) |
| 9.30 | The management of animals in research
R. Battini (<i>Modena</i>) |
| 10.00 | The Directive 2010/63/UE: capabilities and limits to animal experimentation in basic research
C. Bernardi (<i>Nerviano</i>) |

Under the auspices of E.B.R.A. (European Biomedical Research Association - Sezione Italiana)

SATURDAY, September 17, 2011

Sala Celeste - 8.30–10.30 am

Symposium

HERBAL MEDICINES IN EXPERIMENTAL ONCOLOGY

Chairpersons: G. Calapai (*Messina*), M. Navarra (*Messina*)

- | | |
|---------|---|
| 8.30 am | Antitumor potential of curcumin in prostate cancer
A. Angelucci (<i>L'Aquila</i>) |
| 8.45 | Biological profile of the 4-(methylthio) butyl isothiocyanate: a new promising anticancer agent from cruciferous vegetables
A. Melchini (<i>Norwich</i>) |
| 9.00 | Molecular mechanisms underlying the anticancer effects of <i>Citrus bergamia</i> juice
M. Navarra (<i>Messina</i>) |
| 9.15 | Lauroside B, a megastigmane glycoside from <i>Laurus Nobilis</i> L. leaves, induces apoptosis of human melanoma cell lines by inhibiting NF-κB activation
A. Ianaro (<i>Napoli</i>) |
| 9.30 | Herbal medicines in the prevention and in the treatment of hematologic malignancies
G. D'Arena (<i>Potenza</i>) |
| 9.45 | Sulforaphane: a promising example of multi-target therapeutic
P. Hrelia (<i>Bologna</i>) |
| 10.00 | Conclusions: R. De Pasquale (<i>Messina</i>), D. Giachetti (<i>Siena</i>) |

SATURDAY, September 17, 2011

Sala Azzurra - 8.30–10.30 am

Symposium

NEUROPROTECION AND NEUROGENERATION IN BRAIN ISCHEMIA

Chairpersons: M. Cimino (*Urbino*), L. Sironi (*Milano*)

- 8.30 am **AMP-dependent thermoregulation: a new hypothalamic relay of relevance to ischemic brain injury**
M. Muzzi, F. Blasi, M. Pittelli, R. Felici, A. Masi, E. Coppi, C. Traini, A. Pugliese, F. Moroni, A. Chiarugi (*Firenze*)
- 8.45 **Understanding the dual role of the neuroinflammatory response to stroke for validation of novel therapeutic targets**
D. Amantea, G. Bagetta, M. T. Corasaniti (*Rende, Catanzaro*)
- 9.00 **Studies on the toxic and neuroprotective effects of cannabinoids in models of cerebral ischemia**
E. Landucci, E. Gerace, T. Scartabelli, F. Moroni, D. E. Pellegrini-Giampietro (*Firenze*)
- 9.15 **Targeting NF-kappaB and epigenetic chromatin remodelling in the therapy of post-ischemic brain injury**
A. Lanzillotta, I. Sarnico, M. Benarese, C. Branca, G. Pignataro, O. Cuomo, L. Annunziato, G. Faraco, F. Blasi, A. Chiarugi, P. F. Spano, M. Pizzi (*Brescia, Napoli, Firenze*)
- 9.30 **Adenosine A_{2A} receptor roles in brain ischemia**
A. Melani, F. Corti, M.G. Vannucchi, D. Nosi, M.G. Giovannini, F. Pedata (*Firenze*)
- 9.45 **Mannose binding lectin, a new target for stroke therapy**
F. Orsini, P. Villa, S. Parrella, E.R. Zanier, M. Stravalaci, R. Ottria, J. Reina, A. Bernardi, M. Gobbi, M.G. De Simoni (*Milano*)
- 10.00 **NCX as a key player in the neuroprotection exerted by ischemic preconditioning and postconditioning**
G. Pignataro, E. Esposito, R. Sirabella, F. Boscia, O. Cuomo, A. Vinciguerra, G. Di Renzo, L. Annunziato (*Napoli*)
- 10.15 **GPR17: a new receptor involved in the evolution, remodelling and repair of brain's ischemic lesions**
L. Sironi, P. Gelosa, D. Lecca, U. Guerrini, E. Tremoli, M. P. Abbracchio, M. Cimino (*Milano, Urbino*)

SATURDAY, September 17, 2011

Sala Magenta A – 8.30-10.30 am

XV National Seminar of PhD Students in Pharmacology and Related Sciences

PhD Students' Presentations - Session V

CARDIOVASCULAR, PULMONARY, METABOLISM AND ENDOCRINE SYSTEM, ERECTILE DYSFUNCTION AND AGING PHARMACOLOGY

Chairpersons: S. Cuzzocrea (Messina), A. Torsello (*Monza*)

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|-------|--|
| 8.30 | Induction of human coronary smooth muscle cell proliferation by Monocyte chemotactic protein-3
M. Maddaluno (<i>Napoli</i>) |
| 8.45 | Aspirin-insensitive thromboxane biosynthesis in essential thrombocythemia: effect of different aspirin doses, formulations and dosing regimens
G. Petrucci (<i>Roma</i>) |
| 9.00 | Cardioprotective actions of obestatin against ischemia/reperfusion and diabetic cardiometabolic alterations
E. Arnoletti (<i>Torino</i>) |
| 9.15 | Characterization of <i>in vitro</i> endothelial progenitor cell differentiation: role of mature endothelium and pharmacologically active microcarriers
C. Musilli (<i>Firenze</i>) |
| 9.30 | Activation of nociceptin/orphanin FQ receptor inhibits allergen induced airway hyperresponsiveness
M. Matteis (<i>Napoli</i>) |
| 9.45 | Proof-of-concept evaluation of the potential effectiveness of anabolic steroids in an animal model of Duchenne muscular dystrophy
V. Sblendorio (<i>Bari</i>) |
| 10.00 | Influence of <i>Griffonia simplicifolia</i> on male sexual behavior in rats: behavioural and neurochemical study
V. Di Viesti (<i>Modena</i>) |
| 10.15 | The role of GSK-3 in inflammatory signalling in Alzheimer's Disease
C. Bolondi (<i>Bologna</i>) |

SATURDAY, September 17, 2011

Sala Bianca - 8.30-10.30 am

Symposium

RECENT DEVELOPMENT IN THE PHARMACOLOGY OF GLUTAMATE

Chairpersons: M. Popoli (*Milano*), S. Tanganelli (*Ferrara*)

- 8.30 am **Neurotensin receptor as modulator of glutamate transmission in the brain: relevance for neurodegenerative diseases**
L. Ferraro, T. Antonelli, M.C. Tomasini, S. Beggiato, S. Tanganelli (*Ferrara*)
- 8.50 **Regulation of mGlu 5 receptor activity by the endocannabinoid system**
V. De Chiara, S. Rossi, A. Musella, V. Studer, C. Motta, G. Bernardi, A. Usiello, M. Maccarrone, D. Centonze (*Roma, Napoli*)
- 9.10 **The impact of behavioral stress and antidepressant/anxiolytic treatments on glutamate transmission: relevance for neuropsychiatric disorders**
G. Treccani, L. Musazzi, M. Milanese, C. Perego, A. Villa, A. Corbelli, G. Racagni, G. Bonanno, M. Popoli (*Milano, Genova, Monza*)
- 9.30 **Abnormal glutamate exocytosis: a possible cause of excitotoxicity in ALS**
M. Milanese, T. Bonifacino, F. Onofri, L. Musazzi, F. Giribaldi, A. Puliti, F. Benfenati, M. Popoli, G. Bonanno (*Genova, Milano*)
- 9.50 **Soluble beta amyloid exposure and glutamatergic dysregulation: investigating the link**
L. Trabace, V. Cuomo (*Foggia, Roma*)

SATURDAY, September 17, 2011

Sala Italia - 8.30-10.30 am

Symposium

ROLE OF PURINERGIC SIGNALLING IN THE FUNCTION OF NEURAL AND PERIPHERAL CELLS

Chairpersons: P. A. Borea (*Ferrara*), F. Pedata (*Firenze*)

- 8.30 am **The purinergic system cooperates with the algogenic factors bradykinin and CGRP in modulating neuron/glia communication in mouse trigeminal ganglia from wild type and R192Q Cav2.1 knock-in mice: implications for basic mechanisms of migraine pain**
S. Ceruti, G. Villa, M. Fumagalli, L. Colombo, G. Magni, M. Zanardelli, E. Fabbretti, C. Verderio, A. M. J. M. van den Maagdenberg, A. Nistri, M. P. Abbracchio (*Milano, Trieste, Leiden*)
- 8.45 **Control of enteric neuromuscular functions by adenosine receptors under normal conditions and in the presence of bowel inflammation**
L. Antonioli, M. Fornai, R. Colucci, O. Awwad, M. Tuccori, A. Bin, RM. Gaion, I. Castagliuolo, M. C. Giron, C. Blandizzi (*Pisa, Padova*)
- 9.00 **A₃ adenosine receptors are overexpressed in pleura from patients with mesothelioma and reduce malignant mesothelioma cell growth**
K. Varani, F. Vincenzi, M. Targa, A. Stefanelli, M. Tognon, P. A. Borea (*Ferrara*)
- 9.15 **cAMP system inhibits EMT in MDCK cells and purine receptor-mediated activity may represent a novel insight in the modulation of this phenotypic conversion**
S. Romano, P. Giuliani, P. Ballerini, R. Ciccarelli, F. Caciagli, P. Di Iorio (*Chieti*)
- 9.30 **Adenosine receptor control of 3,4-methylenedioxymethamphetamine (MDMA, ecstasy)-induced neurotoxicity and gliosis: differences between adolescent and adult mice**
L. Frau, A. S. Khairnar, M. Morelli (*Cagliari*)
- 9.45 **Trophic activity of human P2X7 receptor splice variants**
E. Adinolfi, A. L. Giuliani, T. Ricco, L. Raffaghello, V. Pistoia, F. Di Virgilio (*Ferrara, Genova*)
- 10.00 **Expression and function of the P2X₇ purinergic receptor in peripheral blood mononuclear cells from patients with Behcet's disease**
M. Castrichini, P. E. Lazzerini, P.L. Capechi, R. Franceschini, A. Gamberucci, M. Hammoud, A. Moramarco, M. Natale, E. Giancucchi, C. Montilli, G. Ricci, S. Zimbone, M. Galeazzi, F. Laghi Pasini (*Siena*)
- 10.15 **Role of P2 receptors on CA1 neuronal impairment induced by oxygen glucose deprivation: involvement of ERK1/2**

activation

A. M. Pugliese, C. Traini, G. Maraula, T. Mello, M. G. Giovannini, E. Coppi, R. Volpini, G. Cristalli, F. Pedata (*Firenze, Camerino*)

(Purine Club)

SATURDAY, September 17, 2011

Sala Bianca - 11.00 am – 1.00 pm

Symposium

PHARMACOLOGICAL ACTIVATION OF THE CHOLINERGIC ANTI-INFLAMMATORY PATHWAY AS AN INNOVATIVE THERAPEUTIC STRATEGY AGAINST ORGAN DAMAGE

Chairpersons: S. Guarini (*Modena*), F. Squadrito (*Messina*)

- 11.00 am **Activation of the cholinergic anti-inflammatory pathway as a potential strategy to control testicular ischemia-reperfusion injury**
L. Minutoli, D. Altavilla, A. Bitto, P. Antonuccio, N. Irrera, C. Romeo, A.P. Caputi, F. Squadrito (*Messina*)
- 11.15 **Anti-inflammatory and immunomodulatory action of melanocortins**
A. Catania, C. Lonati, A. Sordi, A. Carlin, P. Leonardi, S. Gatti (*Milano*)
- 11.30 **Evolution in structure/activity relationship of melanocortin receptor agonists and antagonists: a new class of drugs with a multifaceted therapeutic profile**
P. Grieco, A. Carotenuto, L. Auriemma, S. Di Maro, E. Novellino (*Napoli*)
- 11.45 **Melanocortins as physiological activators of the cholinergic anti-inflammatory pathway in circulatory shock and myocardial ischemia**
S. Guarini, A. Ottani, M. Galantucci, L. Spaccapelo, D. Zaffe, D. Giuliani (*Modena*)
- 12.00 **Melanocortins as neuroprotective and neurogenic agents in neurodegenerative conditions**
D. Giuliani, A. Ottani, M. Galantucci, L. Spaccapelo, D. Zaffe, S. Guarini (*Modena*)
- 12.15 **Pharmacological activation of the vagus nerve as a novel strategy against brain injury**
A. Bitto, D. Altavilla, N. Irrera, S. Guarini, D. Giuliani, F. Squadrito (*Messina, Modena*)
- 12.30 **Cholinergic control of peripheral organ dysfunction**
D. Altavilla, A. Bitto, L. Minutoli, N. Irrera, S. Guarini, F. Squadrito (*Messina, Modena*)
- 12.45 **The cholinergic anti-inflammatory pathway**
F. Squadrito, A. Bitto, S. Guarini, D. Giuliani, L. Minutoli, D. Altavilla (*Messina, Modena*)

SATURDAY, September 17, 2011

Sala Azzurra - 11.00 am – 1.00 pm

Symposium

PREVENTION AND TREATMENT OF NSAIDS-GASTROPATHY: RECENT ADVANCES

Chairpersons: C. Patrono (*Roma*), C. Riccardi (*Perugia*)

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| 11.00 am | NSAID-gastropathy: epidemiology and clinical picture
F. Bazzoli (<i>Bologna</i>) |
| 11.20 | Proton pump inhibitors for NSAID-gastropathy: Rationale and Mechanisms
C. Blandizzi (<i>Pisa</i>) |
| 11.40 | Gastroprotection in clinical practice: how and when are proton pump inhibitors used?
M. Tuccori (<i>Pisa</i>) |
| 12.00 | Challenges in widespread use of gastroprotection: is an NSAID/PPI combination the answer?
C. Scarpignato (<i>Parma</i>) |

(Educational support from AstraZeneca)

SATURDAY, September 17, 2011

Sala Magenta A – 11.00 am – 1.00 pm

XV National Seminar of PhD candidates in “Pharmacology and Related Sciences”

PhD Students’ Presentations - Session VI

RECEPTOR AND SIGNAL TRANSDUCTION MECHANISMS, ION CHANNELS AND TRANSPORT MECHANISMS, PHARMACOVIGILANCE AND PHARMACOEPIDEMIOLOGY, PHARMACOGENETICS, PHARMACOGENOMICS AND GENE THERAPY, INNOVATIVE AND BIOTECHNOLOGICAL DRUGS

Chairpersons: P. Di Iorio (*Chieti*), M. Matteoli (*Milano*)

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|-------------|---|
| 11.00
am | Down-regulation of endogenous FGF-2 in endothelium is responsible for impaired angiogenesis in experimental model of metabolic syndrome
E. Bocci (<i>Siena</i>) |
| 11.15 | Adenosine A2A receptor activation stimulates collagen production in sclerodermic dermal fibroblasts either directly, and through a cross-talk with the cannabinoid system
E. Gianchecchi (<i>Siena</i>) |
| 11.30 | Antimyotonic effect of β-adrenergic drugs with sodium channel blockade activity: Preclinical evaluation in a rat model of myotonia
T. Costanza (<i>Bari</i>) |
| 11.45 | Investigation on the regulation of skeletal muscle and neuronal KATP channels by piruvate kinase enzyme (PK) using an anti-piruvate kinase antibody (Ab-PK): possible involvement of KATP channels in autoimmune diseases (PANDAS)
G. Cannone (<i>Bari</i>) |
| 12.00 | Safety and tolerability of ADHD medications: an intensive monitoring programme in the Campania region
C. Rafaniello (<i>Napoli</i>) |
| 12.15 | Genetic biomarkers for the evaluation of risk assessment of Colorectal Cancer
J. M. Zolezzi Moraga (<i>Bologna</i>) |
| 12.30 | Pharmacogenetic research and its applications in current clinical practice
D. Era (<i>Trieste</i>) |
| 12.45 | Adipose-derived stem cells for future cellular therapies in skeletal-muscle tissues regeneration
E. Arrigoni (<i>Milano</i>) |

SATURDAY, September 17, 2011

Sala Ciano - 11.00-12.00 am

Mini-Symposium

NEW HORIZONS IN THE MULTIPLE SCLEROSIS TREATMENT

Chairpersons: P. L. Canonico (*Novara*)

11.00 am **A new therapeutic target: sphingosine-1P receptors**
 M. Di Luca (*Milano*)

11.30 **Fingolimod: evidences from clinical trials**
 A. Uccelli (*Genova*)

(Educational support from Novartis Farma)

SATURDAY, September 17, 2011

Sala Europauditórium

1.00 – 1.30 pm

Poster Awards

PhD Students' Presentation Awards

PhD Students' Poster Awards