



7th European Congress of Pharmacology



EPHAR2016

June 26-30 Istanbul, TURKEY

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*Final
Program Book*







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Dear friends and colleagues,

It is a great pleasure for me to welcome you to Istanbul, Turkey for the 7th European Congress of Pharmacology in 26-30 June 2016. The Congress is hosted by the Turkish Pharmacological Society. The members of the society, the Local Organising Committee and the Scientific Committee took great care to design a programme that combines hot topics in pharmacology. All the announcements are available through the congress web page www.ephar2016.org. After the congress the website will be accessed from www.tfd.org.tr/ephar/2016 in order to make it available for long term.

Turkish Pharmacological Society, established in 1966, is a rapidly expanding community looking forward to having international scientific and social collaborations. Our 23rd national meeting, held in Ankara between 7-10 September 2015 welcomed more than 300 delegates. 2016 will be 50th anniversary of our society, and it is going to be a great pleasure for us to celebrate both events together in Istanbul.

The 7th European Congress of Pharmacology is taking place in Military Museum and Cultural Centre, located in the heart of the city. This modern congress centre with easy transportation offers convenient facilities such as meeting rooms for ongoing parallel sessions allowing you to select your favourite topics, exhibition hall for poster sessions and companies, and networking places to meet with your colleagues.

Istanbul is the biggest city in Turkey, located in the north-western part of the country, with a pleasant climate in June. Istanbul is a real must see destination with many unique features, easily accessible by hundreds of direct flights from many countries. It is the only city in the world to connect two continents-Europe and Asia. Istanbul, which has been a capital for centuries, embraces many historical and cultural beauties of Turkey including ancient and modern attractions.

On behalf of the Organising Committee, I welcome you to Istanbul for a great meeting to exchange knowledge between basic and clinical fields of pharmacology throughout the World and to share good times.

We hope EPHAR 2016 Istanbul will always be in your best memories!

Öner Süzer
Congress Chair EPHAR 2016



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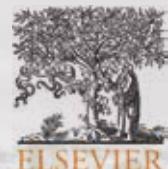
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Scientific Program

Scientific Program



SCIENTIFIC PROGRAMME

The programme includes the following sessions:

A **plenary session** is a session with no contemporary parallel, with invited lecturers and no oral communications. These sessions last for 60 minutes.

A **main session** is organized by a national pharmacological society or a sponsor in consultation with the Scientific Committee. They run in parallel and with invited lecturers and elevated talks chosen by the organizers of the session among relevant free submissions. A main session lasts for 150 minutes (plus a 30 minute coffee break inside the session).

An **oral presentation session** is composed of a variable number of selected oral communications from the same field. This session lasts 90 minutes (maximum).

A **workshop** is a session organized by an external organization.

Oral presentations

C001- C0120 refer oral presentations.

C001-C036 are elevated talks which are included in main sessions.

C037-C064 will be presented on oral presentation sessions at Monday, 27th June 2016 between 13:30-15:00 (oral sessions 1-5, halls A-E).

C064-C092 will be presented on oral presentation sessions at Tuesday, 28th June 2016 between 15:00-16:30 (oral sessions 6-10, halls A-E).

C093-C120 will be presented on oral presentation sessions at Wednesday, 29th June 2016 between 15:00-16:30 (oral sessions 11-15, halls A-E).

Poster presentations

P001-P276 refer poster presentations.

EPHAR Poster Award Winner poster will be presented at all poster session days.

P001-P092 will be presented at poster session day 1, Monday, 27th June 2016 between 08:30-17:30 (Poster Hall)

P093-P183 will be presented at poster session day 2, Tuesday, 28th June 2016 between 08:30-17:30 (Poster Hall)

P184-P276 will be presented at poster session day 3, Wednesday, 29th June 2016 between 08:30-17:30 (Poster Hall)



MEETING AT A GLANCE

Sunday, 26th June 2016

Opening Session, Hall A

Monday, 27th June 2016

Main Sessions (09:00-12:00)

Hall A: Small molecules inhibitors of ion channels in chronic pain states

Hall B: Different immunopharmacological approaches to treat allergic diseases

Hall C: EPA/DHA: Cardiovascular health and omega-3 long-chain PUFAs

Hall D: Targeting coding and non-coding RNAs in pharmacological research

Lunch & Poster Viewing (12:00-13:30)

Oral Presentations (13:30-15:00)

Session 1, Hall A: Neuropharmacology / Psychopharmacology; Obesity and Metabolic Diseases (C037-C042)

Session 2, Hall B: Cardiovascular Pharmacology (C043-C048)

Session 3, Hall C: Clinical Pharmacology (C049-C053)

Session 4, Hall D: Drug Safety and Toxicology (C054-C058)

Session 5, Hall E: Neuropharmacology / Psychopharmacology (C059-C064)

Plenary Lecture Hall A (15:30-16:30): miRNAs as potential therapeutic targets in cardiovascular disorders

Tuesday, 28th June 2016

Main Sessions (09:00-12:00)

Hall A: How to improve translation from animals to humans

Hall B: Emerging therapeutic targets in chronic pain and inflammation

Hall C: Calcium signalling induced by sphingosine-1-phosphate and other agonists in urogenital tract

Hall D: Signalling pathways in vascular function and dysfunction

Lunch & Poster Viewing (12:00-13:30)

Plenary Lecture, Hall A (13:30-14:30): Purinergic signaling in adult neural progenitor cell functions: Experimental basis and possible therapeutic significance

Oral Presentations (13:30-15:00)

Session 6, Hall A: Neuropharmacology / Psychopharmacology (C065-C069)

Session 7, Hall B: Cardiovascular Pharmacology (C070-C075)

Session 8, Hall C: Pharmacokinetics and Drug Metabolism (C076-C081)

Session 9, Hall D: Receptors and Cell Signalling (C082-C087)

Session 10, Hall E: Drug Discovery, Development and Evaluation (C088-C092)



MEETING AT A GLANCE

Wednesday, 29th June 2016

Main Sessions (09:00-12:00)

Hall A: Dopamine signaling in health and disease

Hall B: Basic and translational pharmacology of hydrogen sulfide: molecular targets and targeted diseases

Hall C: Trace amine associated receptors (TAARs): a promising target for pharmacotherapies?

Hall D: Molecular clocks and chronopharmacology

Hall E: ORPHEUS platform: "Best Practices for High Research Standards and PhD Students training in Responsible Research"

Lunch & Poster Viewing (12:00-13:30)

Plenary Lecture, Hall A (13:30-14:30): Poly(ADP-ribose) polymerase: pathomechanisms and therapeutic opportunities

Oral Presentations (13:30-15:00)

Session 11, Hall A: Pain and Inflammation; Gasotransmitters (C093-C098)

Session 12, Hall B: Cancer Chemotherapy; Respiratory Pharmacology; Genitourinary and Reproductive Pharmacology (C099-C104)

Session 13, Hall C: Gastrointestinal Pharmacology; Rational Drug Use (C105-C110)

Session 14, Hall D: Drug Discovery, Development and Evaluation; Drugs for Infectious Diseases (C111-C116)

Session 15, Hall E: Miscellaneous (C117-C120)

Thursday, 30th June 2016

Main Sessions

Hall A: Targeting inflammation in disease (09:00-12:00)

Hall B: European Registered Pharmacologist Project (09:00-10:30)

Hall B: EJP Educational Seminar (11:00-12:00)

Hall C: New insights in neuropsychiatric disorders: models & molecules with therapeutic potential (09:00-12:00)

Hall D: Biased signaling - far beyond arrestin (09:00-10:30)

Local workshop Hall E: Rational Drug Use (11:00-12:00)

End of congress: 12:00



SCIENTIFIC PROGRAMME

Sunday, 26th June 2016

Opening Session, Hall A

18:00-20:00

18:00 Opening Ceremony

18:30 Welcome Reception; Turkish Pharmacological Society 50th anniversary

20:00 End of opening session

Monday, 27th June 2016

09:00-12:00 Main Session Monday, 27th June 2016, Hall A:

Small molecules inhibitors of ion channels in chronic pain states

(Organized by British Pharmacological Society)

Organizers and chairs:

Edward Stevens (Pfizer Neuroscience and Pain Research Unit, Cambridge, UK)

Gary Stephens (University of Reading, UK)

09:00 Introduction to the session

Gary Stephens

University of Reading, UK

09:15 Small molecule inhibitors of NaV1.7 voltage-gated sodium channels

Edward Stevens

Pfizer Neuroscience and Pain Research Unit, UK

09:45 Elevated talk (C001): Gene expression profile of sodium channel subunits in the anterior cingulate cortex during experimental paclitaxel-induced neuropathic pain

Willias Masocha

Kuwait University, KUWAIT

(Authors: Willias Masocha)

10:00 Role of M-type K+ channels in acute and chronic pain

Nikita Gamper

University of Leeds, UK

10:30 Automated patch clamp ion channel technology in chronic pain drug discovery - panacea or paucity?

Damian Bell

Charles River Laboratories, UK

11:00 TRP channels in pain

Lucy Donaldson

University of Nottingham, UK

11:30 Elevated talk (C002): Targeting changes in inhibitory signalling in chronic pain

Wendy L. Imlach

The University of Sydney, AUSTRALIA

(Authors: Wendy L Imlach, Macdonald J Christie)

12:00 End of symposium



SCIENTIFIC PROGRAMME

Monday, 27th June 2016

09:00-12:00 Main Session Monday, 27th June 2016, Hall B:

Different immunopharmacological approaches to treat allergic diseases

(Organized by Danone-Nutricia Research, Utrecht, the Netherlands and IUPHAR/Immunopharmacology)

Organizers and chairs:

Francesca Levi-Schaffer (The Hebrew University of Jerusalem, ISRAEL)

Aletta Kraneveld (Utrecht University, The NETHERLANDS)

09:00	Pro-resolving mediators: potential new treatment for the allergy and asthma Oliver Haworth Barts and the London School of Medicine & Dentistry, UK
09:30	Microbiome manipulation for the management of allergic disorders Johan Garssen Utrecht University, The NETHERLANDS
10:00	Activate inhibition and inhibit activation of mast cells and eosinophils with antibodies to treat allergic diseases Francesca Levi-Schaffer The Hebrew University of Jerusalem, ISRAEL
10:30	Coffee break
11:00	Elevated talk (C003): Novel mechanism of action with therapeutic potential: the chemokine neutraligands for asthma Nelly Frossard Université de Strasbourg, FRANCE (Authors: Nelly Frossard, François Daubeuf, Dominique Bonnet, Dayana Abboud, Virgile Beckaert, Ali Ouadi, Patrice Marchand, David Brasse, Marcel Hibert, Jean Luc Galzi)
11:15	Elevated talk (C004): Problems of standardizing specific activity of allergen products Viacheslav Ivanov Ministry of Health of the Russian Federation, RUSSIA (Authors: Viacheslav Ivanov, Viacheslav Mosyagin, Vladimir Bondarev, Yury Olefir)
11:30	Elevated talk (C005): Involvement of CXCR6/CXCL16 axis in platelet-leukocyte adhesion to the dysfunctional arterial endothelium in COPD patients Patrice Marques University of Valencia, SPAIN (Authors: Patrice Marques, Aida Collado, Cristina Rius, Paula Escudero, Cruz González, Emilio Servera, Laura Piqueras, María Jesús Sanz)
11:45	Elevated talk (C006): Galectin-9 promotes ALDH activity in dendritic cells to support the differentiation of Treg cells in vitro Aletta Kraneveld Utrecht University, The NETHERLANDS (Authors: Sander De Kvit, Atanaska I Kostadinova, Joann Kerperien, Mary E Morgan, Leon M Knippels, Aletta D Kraneveld, Johan Garssen, Linette Willemsen)
12:00	End of symposium



SCIENTIFIC PROGRAMME

Monday, 27th June 2016

09:00-12:00 Main Session Monday, 27th June 2016, Hall C:

EPA/DHA: Cardiovascular health and omega-3 long-chain PUFAs

(Organized by GOED, Global Organization for EPA and DHA omega3s)

Organizers and chairs:

Gerard Bannenberg (GOED (Global Organization for EPA and DHA omega3s), USA)
Ali Müderrisoğlu (Sifar Pharmaceuticals, TURKEY)

09:00	A current view of the relation of lipid intake to cardiovascular health, including the bioavailability of various lipid forms Rob Winwood DSM Nutritional Products, SWITZERLAND
09:30	Overview of the evidence for omega-3 LCPUFA and cardiovascular health Philip Calder University of Southampton, UK
10:00	Elevated talk (C008): Niacin and olive oil promote the skewing to M2 phenotype in bone marrow-derived macrophages of mice with metabolic syndrome Maria C Naranjo Instituto de la Grasa, CSIC, SPAIN (Authors: Maria C Naranjo, Sergio Montserrat De La Paz, Sergio Lopez, Rocio Abia, Francisco J.g. Muriana, Beatriz Bermudez)
10:30	Coffee break
11:00	CYP450 epoxygenases as sources of protective omega-3 lipid mediators in vascular inflammation and resolution David Bishop-Bailey University of London, UK
11:30	Omega-3 Index - why the omega-3 status matters Clemens Von Schacky University of Munich, GERMANY
12:00	End of symposium

09:00-12:00 Main Session Monday, 27th June 2016, Hall D:

Targeting coding and non-coding RNAs in pharmacological research

(Organized by Turkish Pharmacological Society)

Organizers and chairs:

Bahar Tunçtan (Mersin University Faculty of Pharmacy Department of Pharmacology)

09:00	Targeting miRNAs in the treatment of cardiovascular and renal diseases Bahar Tunçtan Mersin University, TURKEY
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SCIENTIFIC PROGRAMME

Monday, 27th June 2016

09:30	Targeting the store-operated calcium entry Metiner Tosun İzmir University of Economics, TURKEY
10:00	miRNAs as biomarkers for early diagnosis of certain diseases Mehmet Sami Serin Mersin University, TURKEY
10:30	Coffee break
11:00	Elevated talk (C009): The effect of S-nitrosoglutathione (GSNO) in a rat model of isoproterenol induced myocardial infarction Deniz Kaleli Durman İstanbul University, TURKEY (Authors: Deniz Kaleli Durman, Uğur Aksu, Duygu Terzioğlu, Işık İkbal Barış, Dilek Yılmaz Bayhan, B. Sönmez Uydeş Doğan)
11:15	Elevated talk (C010): Protective and therapeutic effects of doxycycline against renal ischemia reperfusion injury in rats Mustafa Sağır Gaziosmanpasa University, TURKEY (Authors: Mustafa Sağır, Hakan Parlakpinar, Fatih Oğuz, Alaaddin Polat, Gülin Pelin Odabasi)
11:30	Elevated talk (C011): PYK2 as a therapeutic target for myocardial infarction Sofia Iris Bibli National and Kapodistrian University of Athens, GREECE (Authors: Sofia Iris Bibli, Zongmin Zhou, Sven Zukunft, Beate Fisslthaler, Ioanna Andreadou, Csaba Szabo, Peter Brouckaert, Ingrid Fleming, Andreas Papapetropoulos)
11:45	Elevated talk (C012): The effect of beta 3-ARs on Na+/K+-ATPase in cardiac hypertrophy Gizem Kayki Mutlu Ankara University, TURKEY (Authors: Gizem Kayki Mutlu, Ebru Arioglu Inan, Irem Karaomerlioglu, Vecdi Melih Altan)
12:00	End of symposium
13:30-15:00	Oral Presentation Session 1, Monday, 27th June 2016, Hall A Neuropharmacology / Psychopharmacology; Obesity and Metabolic Diseases Chairs: Charis Liapi (National and Kapodistrian University of Athens, Greece) Ahmet Ulugöl (Trakya University, Turkey)
13:30	C037: Unilateral AAV-mediated alpha-synuclein overexpression model of Parkinson disease's to study motor and cognitive dysfunction Banu Cahide Tel, Sevgi Uğur Mutluay, Elif Çınar, Gül Yalçın Çakmaklı, Esen Saka, Ayşe Ulusoy, Büлent Elibol
13:45	C038: Continuity of antipsychotic prescription in a homeless cohort: results of a randomized controlled trial Stefanie Nadya Rezanoff, Julian Myles Somers, Akm Moniruzzaman



SCIENTIFIC PROGRAMME

Monday, 27th June 2016

- 14:00 C039: The effect of acute stress and the role of mineralocorticoid and glucocorticoid receptors present in the prefrontal cortex in the memory extinction learning
Jessica Rosa, Daniela Lescano Martins Uliana, Leandro Antero Da Silva, Leonardo Barbosa Moraes Ressel
- 14:15 C040: Effect of a functional food on the PLIR (peroxidation of leukocytes index ratio) during post-prandial stress in healthy subjects
Hussein Manafikh, Ilaria Peluso, Raffaella Reggi, Yaroslava Longhitano, Christian Zanza, Maura Palmery
- 14:30 C041: Cardiac remodeling alterations in choline-deprived rats: An overview
Charis Liapi, Athina Strilakou, Ahmed Al Humadi
- 14:45 C042: Expression of trpv1 receptors increased in hippocampus following pentylenetetrazole induced kindling in male rats
Ali Shamsizadeh, Farangis Fatehi, Iman Fatemi, Gholamhosseini Hassanshahi, Mohammad Kazemi Arababadi
-
- 13:30-15:00 Oral Presentation Session 2, Monday, 27th June 2016, Hall B**
Cardiovascular Pharmacology
- Chairs:** María Jesus Sanz (University of Valencia, Valencia, Spain)
Buket Reel (Ege University, Turkey)
-
- 13:30 C043: Physiologically relevant concentrations of hydrogen sulfide negatively regulate platelet aggregation in vitro and in vivo
Michael Emerson, Francesca Rauzi, Erica Smyth, Milos Filipovic, Mark E Wood, Matthew Whiteman
- 13:45 C044: Abdominal aortic aneurysm (AAA) formation and mononuclear cell adhesion induced by angiotensin II are partly dependent on CXCR6/CXCL16 axis
Aida Collado, Patrice Marques, Cristina Rius, Elena Domingo, Paula Escudero, Laura Piqueras, María Jesus Sanz
- 14:00 C045: The nitric oxide mediated effects of nebivolol in cardiorenal syndrome
Guldem Mercanoglu, Caglar Macit, Semen Yesil, Burak Pamukcu, Nurhas Safran, Hafize Uzun, Ayfer Yalcin, Fehmi Mercanoglu
- 14:15 C046: Cardioprotective Effect of Cyclosporin A Against Doxorubicin Cardiotoxicity
Meryem Şeyda Kaya, Meral Erdinç, İlker Kelle, Hasan Akkoç, Emre Uyar, Zeynep Erdoğmuş Özgen, Levent Erdinç
- 14:30 C047: Doxycycline improves the impaired contractile responses induced by oxidative stress in human saphenous vein grafts
Mazen Saeed, Buket Reel, Mehmet Zuhuri Arun, Mehmet Guzeloglu, Goksel Gokce, Bekir Ugur Ergur, Ceren Korkmaz
- 14:45 C048: Cardioprotective effects of pharmacologically decreased long-chain acylcarnitine contents in experimental models of myocardial infarction, atherosclerosis, and diabetes
Maija Dambrova, Kristine Volska, Marina Makrecka Kuka, Elina Makarova, Janis Kuka, Reinis Vilskersts, Edgars Liepinsh



SCIENTIFIC PROGRAMME

Monday, 27th June 2016

13:30-15:00 Oral Presentation Session 3, Monday, 27th June 2016, Hall C

Clinical Pharmacology

Chairs: Ondrej Slanar (Charles University, Czech Republic)
Bekir Faruk Erden (Kocaeli University, Turkey)

-
- 13:30 C049: Two phase 1 clinical studies evaluating the effects of the CYP3A4 inhibitor clarithromycin and the CYP3A4 inducer rifampin on systemic exposure to pacritinib in healthy volunteers
Suliman Al Fayoumi, Sherri Amberg, Huafeng Zhou, Lindsey Millard, Jack W. Singer, Mary Campbell
- 13:45 C050: Pattern of use of incretin-based medicines in a large sample of the Italian general population
Giuseppe Roberto, Francesco Barone Adesi, Francesco Giorgianni, Valeria Pizzimenti, Carmen Ferrajolo, Francesco Lapi, Paolo Francesconi, Gianluca Trifirò, Elisabetta Poluzzi, Fabio Baccetti, Rosa Gini
- 14:00 C051: ABCB1 and OPRM1 polymorphisms alter maternal efficacy and neonatal safety of remifentanil in women undergoing cesarean section
Hana Bakhouch, Pavlina Noskova, Svatopluk Svetlik, Jan Blaha, Ondrej Slanar
- 14:15 C052: Evaluation of positive reflections of activities encouraging awareness regarding rational use of medicines
Arzu Kiroglu, Volkan Aydin, Ahmet Akici
- 14:30 C053: Homozygous familial hypercholesterolemia patient with heterozygous genotype of MTTP gene (rs11944752) variation does not response to lomitapide therapy
Meral Kayikcioglu, Asli Tetik Vardarli, Zuhal Eroglu
- 14:45 C054: Investigation of antibiotic utilization for dental infections
Cenker Zeki Koyuncuoglu, Mehtap Aydin, Ipek Neriman Kirmizi, Mesil Aksoy, Fatma Islı, Ahmet Akici
-

13:30-15:00 Oral Presentation Session 4, Monday, 27th June 2016, Hall D

Drug Safety and Toxicology

Chairs: Michael Emerson (Imperial College London, UK)
Dimitrios Kouvelas (Aristotle University of Thessaloniki, Greece)

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- 13:30 C060: The knowledge and attitudes of nursing students towards rational drug use
Yasemin Özatik, Ulken Tunga Babaoglu, Ayse Ozkaraman, Semra Yigitaslan, Kevser Erol
- 13:45 C056: Study enhancer drugs among future physicians in Maribor, Slovenia
Ziga Volgemut, Jan Schmidt, Katja Jerenec, Polonca Ferk
- 14:00 C057: Evaluation of renal function in patients using metformin
Neda Taner, Emine Karatas Kocberber, Cengizhan Ceylan, Barkin Berk
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SCIENTIFIC PROGRAMME

Monday, 27th June 2016

- 14:15 C058: Urinary N-acetylated cysteine-disulfides as indicators of kidney disease progression in HIV-infected patients
Clara Gonçalves Dias, Nuno Ramos Coelho, Lucília Neves Diogo, Ana Rita Lemos, Judit Morello, Emilia Carreira Monteiro, Karina Soto, Sofia Azeredo Pereira
- 14:30 C059: How much signal do we get from spontaneous vs. solicited adverse drug reaction (ADR) reports? Defining an ADR-signal index
Gulnihal Ozcan, Emel Aykac, Nigar Demet Aydinkarahaliloglu
- 14:45 C055: Assessment of the cardiovascular risk profile of antiretroviral therapies independent of HIV infection
Erica Smyth, Brian Gazzard, Mark Nelson, Michael Emerson
- 14:00-15:00 Oral Presentation Session 5, Monday, 27th June 2016, Hall E**
Neuropharmacology / Psychopharmacology
Chair: Birsel Sönmez Uydeş Doğan (İstanbul University, Turkey)
- 14:00 C061: Evaluation of worldwide use of idarucizumab in a clinical practice setting: rationale and design of the RE-VECTO surveillance programme
Joanne Van Ryn, Joanne Lee, Fredrik Gruenenfelder, Martin Feuring, Kristina Zint, Nils Schoof, Deborah Reardon, Peter Zilles, Jörg Kreuzer
- 14:15 C062: Potassium channel-independent effects of pinacidil on the isolated human saphenous veins from diabetic patients
Jovana Rajkovic, Miodrag Peric, Radmila Novakovic, Dusko Nezic, Vladimir Djokic, Vladimir Zivanovic, Helmut Heinle, Ljiljana Gojkovic Bukarica
- 14:30 C063: 2beta-hydroxybetulinic acid 3beta-caprylate: an active principle from euryale ferox salisb. seeds with antidiabetic, antioxidant, pancreas & hepatoprotective potential in streptozotocin induced diabetic rats
Danish Ahmed, Vikas Kumar, Harish Kumar Bajaj, Manju Sharma
- 14:45 C064: Clinicopathologic features of methotrexate-induced epidermal necrosis
Shuen Iu Hung, Ting Jui Chen, Wen Hung Chung
- 15:30 Plenary Lecture Hall A**
miRNAs as potential therapeutic targets in cardiovascular disorders
Stefanie Dimmeler
Goethe-University Frankfurt am Main, GERMANY



SCIENTIFIC PROGRAMME

Tuesday, 28th June 2016

**09:00-12:00 Main Session Tuesday, 28th June 2016, Hall A:
How to improve translation from animals to humans**
(Joint Section of EPHAR and EACPT)

Organizer and chair:

Gérard A. Rongen (Radboud University, The NETHERLANDS)

09:00	Innovation in cardiovascular pharmacotherapy: Innovation stuck in translation Gérard A. Rongen Radboud University, The NETHERLANDS
09:30	Preclinical models in cardiovascular research: its predictive value in human drug development. Limitations and opportunities Mercè Roqué Hospital Clínic de Barcelona, SPAIN
10:00	Elevated talk (C013): Effects of niacin and fatty acid dietary supplementation on adipose tissue metabolic and inflammatory responses in a mouse model of metabolic syndrome Sergio Montserrat De La Paz Instituto de la Grasa, CSIC, SPAIN (Authors: Sergio Montserrat De La Paz, Maria C Naranjo, Maria C Millan Linares, Sergio Lopez, Rocio Abia, Erik A.I. Biessen, Francisco J.g Muriana, Beatriz Bermudez)
10:15	Elevated talk (C014): Montelukast attenuates abdominal aortic aneurysm in rats: role on matrix metalloproteinases Çağlar Macit İstanbul Medipol University, TURKEY (Authors: Gözde Tekin, Göksel Şener, Özge Çevik, Şule Çetinel, Çağlar Macit)
10:30	Coffee break
11:00	Improvement of preclinical animal models for autoimmune-mediated disorders via reverse translation of failed therapies Bert 'T Hart Biomedical Primate Research Centre, The NETHERLANDS
11:30	Elevated talk (C015): Nebivolol mediates p44/42 MAPK phosphorylation in experimental cardiac hypertrophy model induced by neurohumoral stimulation İşıl Özakca Ankara University, TURKEY (Authors: Isil Özakca, Mesut Çiçek, Vecdi Melih Altan, Arif Tanju Özçelikay)
12:00	End of symposium



SCIENTIFIC PROGRAMME

Tuesday, 28th June 2016

09:00-12:00 Main Session Tuesday, 28th June 2016, Hall B:

Emerging therapeutic targets in chronic pain and inflammation

(Organized by Hungarian Society for Experimental and Clinical Pharmacology)

Organizers and chairs:

Beata Sperlagh (Hungarian Academy of Sciences, HUNGARY)

Zsuzsanna Helyes (University of Pecs, HUNGARY)

09:00	Central mechanism of botulinum toxin action on pain supersensitivity, allodynia and migraine Zdravko Lacković University of Zagreb, CROATIA
09:30	Extracellular vesicles and their therapeutic potential in inflammatory diseases Agnes Kittel Hungarian Academy of Sciences, HUNGARY
10:00	Analgesic effects of the novel semicarbazide-sensitive amine-oxidase inhibitor SzV-1287 in animal models of chronic pain Zsuzsanna Helyes University of Pecs, HUNGARY
10:30	Coffee break
11:00	Elevated talk (C016): Inhibition of NLRP3 inflammasome prevents lipopolysaccharide-induced inflammatory hyperalgesia in mice: contribution of NF-κB, caspase-1/11, ASC, NADPH oxidase, and NOS isoforms Bahar Tunçtan Mersin University, TURKEY (Authors: Bahar Tunçtan, Abdurrahman Dolunay, Sefika Pinar Senol, Meryem Temiz Reşitoğlu, Demet Sinem Guden, Ayse Nihal Sarı, Seyhan Sahan Firat)
11:15	Elevated talk (C017): Investigating the analgesic effect of FAAH inhibitor JNJ-1661010 alone and in combination with COX inhibitors Nergiz Hacer Turgut Cumhuriyet University, TURKEY (Authors: Nergiz Hacer Turgut, Ahmet Altun, Merve Ergul, Muhammed Mucahit Cicek, Bulent Sarac, Ihsan Bagcivan)
11:30	Elevated talk (C018): The analgesic effect of FAAH inhibitor AM-1172 alone and in combination with iNOS inhibitors BYK and SM Ahmet Altun Cumhuriyet University, TURKEY (Authors: Ahmet Altun, Nergiz Hacer Turgut, Merve Ergul, Muhammed Mucahit Cicek, Bulent Sarac, Sahin Yildirim)
12:00	End of symposium



SCIENTIFIC PROGRAMME

Tuesday, 28th June 2016

09:00-12:00 Main Session Tuesday, 28th June 2016, Hall C:

Calcium signalling induced by sphingosine-1-phosphate and other agonists in urogenital tract

(Organized by Turkish Pharmacological Society)

Organizer and chair:

Nezahat Tuğba Durlu-Kandilci (Hacettepe University, TURKEY)

09:00	The roles of sphingosine in lysosomal calcium signalling and Niemann-Pick disease type C Doris Höglinger University of Oxford, UK
09:30	Sphingosine-1- phosphate and carbachol induced secondary messengers in detrusor Nezahat Tuğba Durlu-Kandilci Hacettepe University, TURKEY
10:00	New sights in calcium signalling in myometrium Özgür Öktem Koç University, TURKEY
10:30	Coffee break
11:00	Elevated talk (C020): Sphingosine-1-phosphate (S1P) induced contractile responses in detrusor smooth muscle of rats having cyclophosphamide induced cystitis Irfan Anjum Hacettepe University, TURKEY (Authors: Irfan Anjum, Merve Denizalti, N. Tugba Durlu Kandilci, Inci Sahin Erdemli)
11:15	Elevated talk (C021): Fine tuning control of cholinergic nerve activity by excitatory P2X2/3 and inhibitory P2Y12 receptors in men with prostatic bladder obstruction Isabel Silva Universidade do Porto, PORTUGAL (Authors: Isabel Silva, Miguel Silva Ramos, Fátima Ferreira, Julie Pelletier, Jean Sévigny, Paulo Correia De Sá)
11:30	Elevated talk (C022): Investigation of the functional responses of myometrium smooth muscle in secondhand smoking and chronic alcohol consuming rats Semil Selcen Göçmez Kocaeli University, TURKEY (Authors: Semil Selcen Gocmez, Zeynep Ece Korun, Tugce Demistas Sahin, Tijen Utkan)
11:45	Elevated talk (C023): Endothelial dysfunction in the human umbilical artery due to preeclampsia can be prevented by sildenafil Edibe Minareci Akdeniz University, TURKEY (Authors: Edibe Minareci, Nurten Kayakan, Gulay Sadan, Bora Dinç)
12:00	End of symposium



SCIENTIFIC PROGRAMME

Tuesday, 28th June 2016

09:00-12:00 Main Session Tuesday, 28th June 2016, Hall D:

Signalling pathways in vascular function and dysfunction

(Organized by Turkish Pharmacological Society)

Organizers and chairs:

Günay Yetik Anacak (Ege University, Faculty of Pharmacy, Department of Pharmacology)

B. Sönmez Uydeş Doğan (İstanbul University, Faculty of Pharmac Department of Pharmacology)

09:00 Hsp90: A regulator of vascular relaxation

Günay Yetik Anacak

Ege University, TURKEY

09:30 Control of human vascular tone by prostanoid pathway

Gökçe Topal

İstanbul University, TURKEY

10:00 Dysregulated NO/cGMP signalling in priapism

F. Sena Sezen

Karadeniz Technical University, TURKEY

10:30 Coffee break

11:00 Vascular role of adipocytokines in health and diseases

Johan Van De Voorde

Ghent University, BELGIUM

11:30 Elevated talk (C024): The effect of PVAT on vascular tone regulation of human coronary vessels: Role of H2S and PGE2

Gülsev Özen

İstanbul University, TURKEY

(Authors: Gulsev Ozen, Ingrid Gomez, Larissa Kotelevets, Eric Chastre, Catherine Deschilde, Lilia Boubaya, Dan Longrois, Sonmez Uydes Dogan, Gokce Topal, Jean Baptiste Michel, Xavier Norel)

11:45 Elevated talk (C025): The role of voltage-dependent potassium channels in the relaxation of renal artery of diabetic rats

Ljiljana Gojkovic Bukarica

University of Belgrade, SERBIA

(Authors: Ljiljana Gojkovic Bukarica, Jasmina Markovic Lipkovski, Helmut Heinle, Sanja Cirovic, Jovana Rajkovic, Vladimir Djokic, Radmila Novakovic)

12:00 End of symposium



SCIENTIFIC PROGRAMME

Tuesday, 28th June 2016

13:30 **Plenary Lecture, Hall A**

**Purinergic signaling in adult neural progenitor cell functions:
Experimental basis and possible therapeutic significance**

Peter Illes

Universität Leipzig, GERMANY

Sponsor: Hungarian Society for Experimental and Clinical Pharmacology

15:00-16:30 **Oral Presentation Session 6, Tuesday, 28th June 2016, Hall A**

Neuropharmacology / Psychopharmacology

Chairs: Aletta D Kraneveld (Utrecht University, The Netherlands)

Filippo Drago (University of Catania, Italy)

15:00 C065: Dietary interventions that reduce mTOR activity rescue autistic-like behavioral deficits in mice

Jiangbo Wu, Caroline Gm De Theije, Sofia Lopes Da Silva, Suzanne Abbering, Hilma Van Der Horst, Laus Broersen, Martien J Kas, Johan Garssen, Aletta D Kraneveld

15:15 C066: The effect of early life supplementation of non-digestible oligosaccharides on brain development and function in healthy mice

Kirsten Szklany, Cindy de Waard, Nienke G. van Staveren, Thecla A. van Wageningen, Monika Verdouw, Kees van Limpt, Harm Wopereis, Lucianne Groenink, Raish Oozeer, Leon M. J. Knippels, Johan Garssen, Aletta D. Kraneveld

15:30 C067: Investigation of the involvement of dopaminergic receptor subtypes in the gallic acid-induced antidepressant-like activity

Nazlı Turan, Özgür Devrim Can, Ümide Demir Özkay, Yusuf Öztürk

15:45 C068: Dopaminergic receptor subtypes mediated antidepressant-like activity of quercetin

Feyza Alyu, Ümide Demir Özkay, Özgür Devrim Can, Yusuf Öztürk

16:00 C069: From pharmacogenetics to personalized medicine: Regulatory perspectives and Implications for Latin-American countries

Diadelis Diade Remirez

15:00-16:30 **Oral Presentation Session 7, Tuesday, 28th June 2016, Hall B**

Cardiovascular Pharmacology

Chairs: Fatma Akar (Gazi University, Turkey)

Pınar Yamantürk Çelik (İstanbul University, Turkey)

15:00 C070: Activation of PPAR β/δ improves endothelial dysfunction and protects kidney in a mouse model of systemic lupus erythematosus

Miguel Romero, Marta Toral, Iñaki Robles Vera, Rosario Jimenez, Francisco O'valle, Alba Rodriguez Nogales, Julio Galvez, Juan Duarte



SCIENTIFIC PROGRAMME

Tuesday, 28th June 2016

- 15:15 C071: Effect of high glucose on vascular function and eNOS/Akt pathway in Isolated rat aorta: Modulatory roles of resveratrol and juglone
Fatma Akar, Mehmet Bilgehan Pektas, Ozge Turan, Gozde Ozturk, Gokhan Sadi
- 15:30 C072: Effects of taurine in a model of oxidative stress induced by glutathione depletion in rabbit carotid arteries
Gonen Ozsarlak Sozer, Gulnur Sevin, Gunay Yetik Anacak, Hakan Ozgur, Zeliha Kerrý
- 15:45 C073: Effects of psychoactive drugs on antihypertensive treatment
Sibel Akbilek Batmaz, Iliriana Alloqi Tahirbegolli, Bernard Tahirbegolli, Berrin Umman, Pınar Yamantürk Çelik
- 16:00 C074: Functional effects of P2X7 receptors in human internal thoracic arteries
Zeliha Bayram, Ikbal Ozen Küçükçetin, Sebahat Ozdem, Cahit Nacitarhan, Cengiz Türkay, Sadi S. Ozdem
- 16:15 C091: Investigation of the effects of vitamin U on caecal flora in rats with liver and renal ischemia/reperfusion injury
Satı Zeynep Tekin, Özlem Öztopuz, Hakan Türkön, Aslı Kiraz, Muhammet Kasım Arık, Ufuk Demir, Sait Elmas, Mehmet Akif Ovalı, Uğur Altınışık
- 16:30 C075: Prevention of progressive cardiac remodelling by histamine 2 receptor antagonism – a novel approach
Ajay Godwin Potnuri, Lingesh Allakonda, Arul Velan Appavoo, Renuka R Nair

15:00-16:30 Oral Presentation Session 8, Tuesday, 28th June 2016, Hall C

Pharmacokinetics and Drug Metabolism

Chairs: Abdullah Tuncay Demiryürek (University of Gaziantep, Turkey)
Selim Kortunay (Pamukkale University, Denizli, Turkey)

- 15:00 C076: Deprivation of the essential nutrient choline: the impact on drug metabolism
Charis Liapi, Dimitrios Segos, Hussam Al Humadi
- 15:15 C077: Evidence for the association between TRPM7 gene polymorphisms and preeclampsia
Belgin Alaşehirli, Zekiye Doğantürk, Elif Oğuz, Serdar Öztuzcu, Şeniz Demiryürek, Reyhan Gündüz, Mete Gürol Uğur, Abdullah Tuncay Demiryürek
- 15:30 C078: Evaluation of cytochrome P450 2C9 enzyme activity in patient with ankylosing spondylitis
Mustafa Tuğrul Göktas, Halil Kara, Erdem Kamil Özer, İlknur Albayrak Gezer, Ümit Yaşar
- 15:45 C079: Determination of CYP2C9 activity in patients with systemic lupus erythematosus
Mustafa Tuğrul Göktas, Erdem Kamil Özer, Ahmet Müderrisoğlu, Said Kalkışım, Emel C. Emlakçıoğlu, Ümit Yaşar
- 16:00 C080: Pharmacokinetics of S-ketamine and S-norketamine after racemic or S-ketamine IV bolus administration in dogs during sevoflurane anaesthesia
Andrea Barbarossa, Noemi Romagnoli, Rima Bektas, Annette Kutter, Paola Roncada, Regula Bettschart Wolfensberger



SCIENTIFIC PROGRAMME

Tuesday, 28th June 2016

- 16:15 C081: Pharmacokinetics of S-ketamine and S-norketamine following racemic or S-ketamine IV bolus administration in dogs premedicated with medetomidine
Noemi Romagnoli, Andrea Barbarossa, Rima Bektas, Annette Kutter, Paola Roncada, Regula Bettschart Wolfensberger

15:15-16:15 Oral Presentation Session 9, Tuesday, 28th June 2016, Hall D
Receptors and Cell Signalling

Chairs: Mojca Krzan (University of Ljubljana, Slovenia)
Hakan Gürdal (Ankara University, Turkey)

- 15:00 C082: High glucose-induced SRC kinase activity causes 5-hydroxytryptamine receptor subtypes mediated EGFR transactivation in A7R5 cell
Sahika Guner, Tamila Akhayeva, Hakan Gurdal

- 15:15 C083: Deuteration affects the binding but not functional characteristic of glial histamine H2 receptor
Mojca Krzan, Nika Jurisevic, Anze Zorc, Janez Mavri

- 15:30 C085: A novel proteolytic cleavage of ROCK 1 by caspase-2
Burçin İbişoğlu, Aysun Özdemir, Yaprak Dilber Şimay, Mustafa Ark

- 15:45 C086: Functionalized hyaluronic acid based biomaterial and assessment of its safety and wound healing activity in acute and diabetic skin wound models
Baiba Jansone, Joanna Jenina, Katrina Jukevica, Martins Boroduskis, Zane Dzirkale, Elga Poppela, Liene Patetko, Jelena Eglite, Elvira Hagina, Anna Ramata Stunda

- 16:00 C087: The reversal effect of ondansetron on bupivacaine induced sciatic nerve block in rats
Ali Ozgul Saltali, Seza Apiliogullari, Sengal Bagci Taylan, Mustafa Fevzi Sargon, Jale Bengi Celik, Ibrahim Ozkan Onal

- 16:15 C090: Antithrombotic effect of new cyclohexilammonium salt 2-[1-ethyl-3-methyl-7-(dioxothietanyl-3)xanthinyl-8-thio]acetic acid on experimental venous thrombosis
Aleksandr V. Samorodov, Felix Kh. Kamilov, Ferkat A. Khaliullin, Yuliya V. Shabalina, Almaz R. Khalimov, Daniyar Z. Murataev

15:00-16:30 Oral Presentation Session 10, Tuesday, 28th June 2016, Hall E
Drug Discovery, Development and Evaluation

Chair: N. Tuğba Durlu Kandilci (Hacettepe University, Turkey)

- 15:00 C088: In-vivo evaluation of the preventive effect of the ethanolic leaf extract of Hibiscus rosa-sinensis (Malvaceae) against calcium oxalate crystals in ethylene glycol- and ammonium chloride-induced hyperoxaluria in adult male albino Swiss mice
Rhemcee Pascual, Monica Del Rosario, Jarrah Patacsil, May Pleños, Prescilla San Pedro, Shannen Suñga, Jose Villanueva, Aleth Dacanay, May Magtoto, Gregory Martin



SCIENTIFIC PROGRAMME

Wednesday, 29th June 2016

15:15	C089: Dimethoxyflavone isolated from the stem bark of <i>Stereospermum kunthianum</i> possesses antidiarrhoeal activity in rodents Fidelis Poh Ching, Otokiti Ibrahim Nosahare
15:30	C092: Inhibitory effect of hydroalcoholic extract of green tea on cognitive impairment and oxidative stress induced by streptozocin in rats Amin Ataee, Ramin Ataee
09:00-12:00 Main Session Wednesday, 29th June 2016, Hall A: Dopamine signaling in health and disease	
(Organized by Danish Society of Pharmacology)	
Organizer and chair: Claus Juul Loland (University of Copenhagen, DENMARK)	
09:00	Development and binding characterization of high-affinity modafinil analogues as potential antagonists of cocaine subjective effects Claus Juul Loland University of Copenhagen, DENMARK
09:30	Modulation of dopaminergic pathways to improve erectile function Ulf Simonsen Aarhus University, DENMARK
10:00	The dopamine transporter as target for new psychoactive substances: a mechanism of action Harald Sitte Medical University of Vienna, AUSTRIA
10:30	Coffee break
11:00	Modulating dopamine neurons in visual attention using pharmacogenetics David P. Woldbye University of Copenhagen, DENMARK
11:30	Elevated talk (C026): Ropinirole prevents the addiction and withdrawal symptoms of morphine induced conditioned placed preference in rats Andleeb Shahzadi Istanbul University, TURKEY (Authors: Enes Karabulut, Oruc Allahverdiyev, Andleeb Shahzadi, Zeliha Yazici)
11:45	Elevated talk (C027): Antidepressant-like effects of Baijin Capsule in the olfactory bulbectomized rat Jianning Sun Beijing University of Chinese Medicine, CHINA (Authors: Rong Zhang, Yaoyue Liang, Shifen Dong, Jian Ni, Jianning Sun)
12:00	End of symposium



SCIENTIFIC PROGRAMME

Wednesday, 29th June 2016

09:30-12:00 Main Session Wednesday, 29th June 2016, Hall B:

Basic and translational pharmacology of hydrogen sulfide: molecular targets and targeted diseases

(Joint Section of Italian Society of Pharmacology and Hellenic Society of Basic and Clinical Pharmacology)

Organizers and chairs:

Giuseppe Cirino (University of Naples)

Andreas Papapetropoulos (University of Athens)

09:30 Current status of H2S inhibitors
Andreas Papapetropoulos
University of Athens, GREECE

10:00 CBS inhibition in cancer
Csaba Szabo
University of Texas Medical Branch, USA

10:30 Coffee break

11:00 The “two-pharmacophore” approach: improving the safety of NSAIDs with the help of H2S
John L. Wallace
Antibe Therapeutics, CANADA

11:30 Elevated talk (C028): The interaction of L-cysteine/hydrogen sulfide pathway and muscarinic acetylcholine receptors (mAChRs) in mouse corpus cavernosum
Fatma Tuğçe Dalkır
Çukurova University, TURKEY
(Authors: Fatma Tuğçe Dalkır, Fatma Aydinoğlu, Nuran Öğüner)

11:45 Elevated talk (C029): H2S donors increase cystathione-γ lyase expression
Sofia Iris Bibli
National and Kapodistrian University of Athens, GREECE
(Authors: Sofia Iris Bibli, Csaba Szabo, Andreas Papapetropoulos)

12:00 End of symposium

09:00-12:00 Main Session Wednesday, 29th June 2016, Hall C:

Trace amine associated receptors (TAARs): a promising target for pharmacotherapies?

(Organized by British Pharmacological Society)



SCIENTIFIC PROGRAMME

Wednesday, 29th June 2016

Organizers and chairs:

Clare Stanford (Dept Neuroscience Physiology & Pharmacol, UCL, UK)
Stefano Espinoza (Italian Institute of Technology, ITALY)

09:00	Trace amine receptors: their role in psychosis and its treatment Stefano Espinoza Italian Institute of Technology, ITALY
09:30	TAAR1 ligands as new generation pharmacotherapies for addiction treatment Juan Canales University of Leicester, UK
10:00	TAAR1-mediated modulation of presynaptic dopaminergic neurotransmission: role of D2 dopamine receptors Damiana Leo Italian Institute of Technology, ITALY
10:30	Coffee break
11:00	Non-classical amine recognition evolved in a large clade of olfactory trace amine-associated receptors Qian Li Harvard Medical School, USA
11:30	Elevated talk (C030): Discovery of novel TAAR1 ligands through the use of in silico screening on a homology model of the trace amine associated receptor 1 Vincent M. Lam University of Toronto, CANADA (Authors: Lam VM, Rodríguez D, Zhang T, Koh EJ, Carlsson J, Salahpour A)
12:00	End of symposium
09:00-12:00	Main Session Wednesday, 29th June 2016, Hall D: Molecular clocks and chronopharmacology (Organized by Turkish Pharmacological Society) Organizers and chairs: Francis Levi (Warwick University) Alper Okyar (İstanbul University)
09:00	Discovery of the small molecules that regulates circadian rhythm İbrahim Halil Kavaklı Koç University, TURKEY
09:30	Modelling the link between circadian clock and cancer Nuri Öztürk Gebze Technical University, TURKEY
10:00	Systems chronopharmacology of anticancer drugs from cells to patients Francis Levi Warwick University, UK



SCIENTIFIC PROGRAMME

Wednesday, 29th June 2016

10:30	Coffee break
11:00	Circadian control of drug metabolism, detoxification and pharmacokinetics Alper Okyar İstanbul University, TURKEY
11:30	Elevated talk (C031): Relevance of everolimus dosing time for toxicity and circadian clock effects in mice Xiao Mei Li INSERM, Université Paris-Sud, FRANCE (Authors: Xiao Mei Li, Thinh Doan, Narin Ozturk, Alper Okyar, Barbel Finkenstadt Rand, Sylvie Giacchetti, Francis Lévi)
11:45	Elevated talk (C032): The circadian timing system as a toxicity target of the anticancer mTOR inhibitor everolimus in mice Narin Öztürk İstanbul University, TURKEY (Authors: Narin Ozturk, Dilek Ozturk, Zeliha Pala Kara, Engin Kaptan, Serap Sancar Bas, Suzan Cinar, Gunnur Deniz, Xiao Mei Li, Sylvie Giacchetti, Francis Levi, Alper Okyar)
12:00	End of symposium
09:00-12:00	Workshop Wednesday, 29th June 2016, Hall E: ORPHEUS platform: “Best Practices for High Research Standards and PhD Students training in Responsible Research” (Organized by ORPHEUS: ORganisation of PhD Education in Biomedicine and Health Sciences in the EUropean System) Organizer and chair: Zdravko Lacković (University of Zagreb, CROATIA)
09:00	Best practices for high research standards and PhD students training in responsible research Zdravko Lacković University of Zagreb, CROATIA
09:30	Institutional procedures as a tool to promote responsible research environment Hakan Sedat Oner Koç University, TURKEY
10:00	ORPHEUS tools for assisting institutions in implementing best practices for responsible research training Michael John Mulvany Aarhus University, DENMARK
10:30	Coffee break
11:00	Impact of ORPHEUS on PhD training: The experience of a Turkish university Gül Güner Akdoğan İzmir University of Economics, TURKEY
11:30	Discussion
12:00	End of symposium



SCIENTIFIC PROGRAMME

Wednesday, 29th June 2016

13:30 Plenary Lecture, Hall A

Poly(ADP-ribose) polymerase: Pathomechanisms and therapeutic opportunities

Csaba Szabo

The University of Texas Medical Branch, USA

15:00-16:30 Oral Presentation Session 11, Wednesday, 29th June 2016, Hall A

Pain and Inflammation; Gasotransmitters

Chairs: Nuran O gulener (Çukurova University, Turkey)

15:00 C093: Ondansetron shortens the duration of the thermal antinociceptive effects of bupivacaine in the rat paw

Aydin Mermer, Ali Özgül Saltali, Ipek Duman, Bülent Hanedan, Sengal Taylan Bagci, Yasin Tire, Seza Apiliogullari

15:15 C094: The effects of vascular cytochrome P450 Inhibitors on mesenteric blood flow, vascular hyporeactivity, organ damage and survival in an experimental septic shock model

Selda Ertaç Serdar, Kemal Kösemehmetoğlu, Alper Bektaş İskit

15:30 C095: Immunomodulatory effect of minocycline in mouse colitis
Jose Garrido Mesa, Alba Rodriguez Nogales, Francesca Algieri, Teresa Vezza, Natividad Garrido Mesa, Deseada Camuesco, Maria Pilar Utrilla, Maria Elena Rodriguez Cabezas, Federico Garcia, Natalia Chueca, Julio Galvez

15:45 C096: Blocking of urotensin receptors as new target for treatment of carrageenan induced inflammation in rats
Elif Cadirci, Zekai Halici, Muhammed Yayla, Erdem Toktay, Yasin Bayir, Emre Karakus, Atilla Topcu, Basak Buyuk, Abdulmecit Albayrak

16:00 C097: Do penile hemodynamics change in the presence of hydrogen sulfide (H2S) donor in the metabolic syndrome-induced erectile dysfunction?
Ezgi Dayar, Erkan Kara, Gunay Yetik Anacak, Nil Hocaoglu, Ozan Bozkurt, Sedef Gidener, Nergis Durmus

16:15 C098: The effects of cyclooxygenase, nitric oxide, phosphodiesterase IV and Rho-kinase inhibitors on hydrogen sulfide-induced relaxant response in mouse corpus cavernosum
Fatma Aydinoglu, Nuran O gulener

15:00-16:30 Oral Presentation Session 12, Wednesday, 29th June 2016, Hall B

Cancer Chemotherapy; Respiratory Pharmacology; Genitourinary and Reproductive Pharmacology

Chairs: Zeliha Yazıcı (İstanbul University, Turkey)

Ahmet Altun (Cumhuriyet University, Turkey)



SCIENTIFIC PROGRAMME

Wednesday, 29th June 2016

- 15:00 C099: Protective effect of hypericum triquetrifolium turra. on cyclophosphamide-induced myelotoxicity and hemotoxicity in rat
Songül Çetik, Adnan Ayhancı, Cumali Keskin
- 15:15 C100: The cytotoxic effects of estrogen targeted nano-silver molecules on platinum resistant ovarian cancer cells line (OVCAR-3)
Ahmet Altun, Nevcihan Gursoy, Marija Sevchenko, Ahmet Turan Demir
- 15:30 C101: Expressional alterations of CYP1A2, CYP2J3 and CYP3A1 in rat liver and heart upon doxorubicin and ciprofloxacin treatment
Andleeb Shahzadi, Esra Guzel, Omer Faruk Karatas, Ikbal Sonmez, Mustafa Ozen, Zeliha Yazici
- 15:45 C102: Pharmacokinetics of chronomodulated capecitabine as a part of first line XELOX chemotherapy in metastatic colorectal cancer patients
Zeliha Pala Kara, Kezban Nur Pilancı, Sezer Saglam, Alper Okyar
- 16:00 C103: Protective effect of hypericum perforatum extract on cigarette smoke induced lung inflammation
Halil Mahir Kaplan, Ergin Şingirlik, Figen Doran
- 16:15 C104: Chronic unpredictable mild stress impairs neurogenic and endothelium-dependent relaxation of rabbit corpus cavernosum smooth muscle: improvement with chronic administration of resveratrol
Semil Selcen Gocmez, Tugce Demirtas Sahin, Tijen Utkan

15:00-16:30 Oral Presentation Session 13, Wednesday, 29th June 2016, Hall C

Gastrointestinal Pharmacology; Rational Drug Use

Chairs: Atila Karaalp (Marmara University, Turkey)
Elif Çadircı (Atatürk University, Turkey)

- 15:00 C105: Proton pump inhibitor use for a twelve-month period is not associated with changes in serum magnesium levels: a prospective open label comparative study
Elton Bahtiri, Hilmi İslami, Rexhep Hoxha, Hasime Qorraj Bytyqi, Shaip Krasniqi, Kujtim Thaci, Valon Krasniqi, Liridon Haziri, Malbora Musa
- 15:15 C106: The role of TLR4 in gut-brain cross talk in a murine model for Parkinson's disease
Paula Perez Pardo, Hemraj B Dodiya, Johan Garssen, Ali Keshavarzian, Aletta D Kraneveld
- 15:30 C107: The effect of urantide, an urotensine receptor antagonist, on the healing of indomethacin-induced gastric ulcer in rats
Zekai Halici, Elif Cadirci, Busra Diyarbakir, Muhammed Yayla, Damla Cetin, Zerrin Kutlu, Emin Sengul
- 15:45 C108: Potentially inappropriate drug use in elderly patients admitted to the intensive care unit of a university hospital
Medine Gulcebi, Songul Ozkula, Nesrin Duman, Gozde Ayhan, Zehra Turgan, Rezzan Gulhan, Atila Karaalp, Filiz Onat, Zafer Goren



SCIENTIFIC PROGRAMME

Wednesday, 29th June 2016

- 16:00 C109: Self-Medication practice among preclinical medical students and law students of Marmara University
Akif Köse, Asibe Türkkan, Melike Ülkü Aydin, Özlem Alhan, Yasin Yıldız, Mikail Özdemir, Seyhan Hidiroğlu, Rezzan Gülnar Aker
- 16:15 C110: Assessment of antibiotic prescribing performance of dentists in Turkey
Mehtap Aydin, Cenker Z Koyuncuoglu, Ipek Kirmizi, Esma Kadi, Ali Alkan, Ahmet Akici
- 16:30 C119: Investigation of the effects of oleuropein rich diet on rat enteric bacterial flora
Aslı Kiraz, Tuncer Şimşek, Satı Zeynep Tekin, Sait Elmas, Murat Tekin, Hasan Şahin, Hatice Betül Altınışık, Çiğdem Uysal Pala

15:00-16:30 Oral Presentation Session 14, Wednesday, 29th June 2016, Hall D

Drug Discovery, Development and Evaluation; Drugs for Infectious Diseases

Chairs: Hakan Parlakpinar (İnonü University, Turkey)
Atilla Akdemir (Bezmialem Vakif University, Turkey)

- 15:00 C111: Effects of perineural administration of phenytoin in combination with levobupivacaine in a rat sciatic nerve block
Ahmet Selim Ozkan, Sedat Akbas, Mehmet Akif Durak, Mehmet Ali Erdogan, Hakan Parlakpinar, Nigar Vardı, Onurhal Ozhan, Ali Ozer
- 15:15 C112: 1H-indole-2,3-dione 3-[N-(4-sulfamoylphenyl)thiosemicarbazone] derivatives as putative anticancer and antifungal agents
Atilla Akdemir, Nilgün Karalı, Claudiu T. Supuran
- 15:30 C113: In vitro investigation of therapeutic effects of Myrtus communis L. in Cancer Cell Lines
Ayşe Gürel, Hacer Esra Gürses Cila, Ömer Faruk Hatipoğlu, Esra Gündüz
- 15:45 C114: Protective effects of coenzyme Q10 on survival, vascular and tissue injury in sepsis
Erdem Kamil Ozer, Mustafa Tugrul Goktas, Ibrahim Kilinc
- 16:00 C115: Has infliximab protective effects on survival, vascular and tissue injury in sepsis?
Erdem Kamil Ozer, Mustafa Tugrul Goktas, Ibrahim Kilinc
- 16:15 C116: Protective effects of celecoxib on survival, vascular and tissue injury in sepsis
Erdem Kamil Ozer, Mustafa Tugrul Goktas, Aysun Toker
- 16:30 C118: Adverse drug reactions to anti-TB Drugs: Pharmacogenomics Perspective for identification of host genetic markers
Kamal Kishor, Roshan Kumar Sahu

09:00-12:00 Main Session Thursday, 30th June 2016, Hall A:

Targeting inflammation in disease

(Organized by Spanish Society of Pharmacology)



SCIENTIFIC PROGRAMME

Thursday, 30th June 2016

Organizers and chairs:

Maria-Jesus Sanz (University of Valencia)

Juan Tamargo (Complutense University of Madrid)

09:00	Inflammation plays a role in the pathophysiology and represents a therapeutic target in atrial fibrillation Juan Tamargo Complutense University of Madrid, SPAIN
09:30	The microbiota as a pharmacological target for the treatment of intestinal inflammatory diseases Julio Gálvez University of Granada, SPAIN
10:00	Elevated talk (C033): Correlation of IL-1 beta levels and acute phase proteins in patients' sera from a phase 2 familial mediterranean fever trial with canakinumab Serhan Sevgi Novartis Pharma Medical Department, TURKEY (Authors: Serhan Sevgi, Huri Ozdogan, Ozgur Kasapcopur, Burak Erer, Serdal Ugurlu, Soner Turgay, Ahmet Gul)
10:15	Elevated talk (C034): Protective effects of pentoxifylline and its potentiation with low dose nitric oxide (NO) modulators in complete Freund's adjuvant-induced rheumatoid arthritis in rats Rishi Pal King George's Medical University, INDIA (Authors: Rishi Pal, Prafulla Chandra Tiwari, Rajendra Nath, Kamlesh Kumar Pant)
10:30	Coffee break
11:00	Is there a room for antiinflammatory drugs in neuropsychiatry? Juan-Carlos Leza Complutense University of Madrid, SPAIN
11:30	Therapeutic potential of blood glutamate grabbing in stroke: a proof of concept Maria-Isabel Loza University of Santiago de Compostela, SPAIN
12:00	End of symposium
09:00-10:30	Main Session Thursday, 30th June 2016, Hall B: European Registered Pharmacologist Project (Organized by EPHAR and EACPT) Organizer and chair: Thomas Griesbacher (Medizinische Universität Graz, AUSTRIA)



SCIENTIFIC PROGRAMME

Thursday, 30th June 2016

Speakers from the relevant societies to be announced

10:30 End of symposium

10:30 Coffee break

11:00 EJP Educational Seminar, Hall B

How to write great papers: From title to references, from submission to publication

Jaap Van Harten

Elsevier BV, The NETHERLANDS

09:00-12:00 Main Session Thursday, 30th June 2016, Hall C:

New insights in neuropsychiatric disorders: models & molecules with therapeutic potential

(Organized by Turkish Pharmacological Society)

Organizers and chairs:

Ece Genç (Yeditepe University)

Feyza Aricioğlu (Marmara University)

09:00 Current and future pharmacology of post-traumatic stress disorder

Zafer Gören

Marmara University, TURKEY

09:30 Convulsions triggered by food intake in antimuscarinic-treated fasted animals: a model for eating seizures?

Nurhan Enginar

İstanbul University, TURKEY

10:00 Novel targets focusing on neuroinflammation and neurogenesis in schizophrenia

Feyza Aricioğlu

Marmara University, TURKEY

10:30 Coffee break

11:00 Can valproic acid have a therapeutic potential in Parkinson's disease?

Ece Genç

Yeditepe University, TURKEY

11:30 Elevated talk (C035): Neuroprotective effects of epicatechin against homocysteine-induced oxidative stress in hippocampal area in rat

Ramin Ataee

Mazandaran University of Medical Sciences, IRAN

(Authors: Ramin Ataee, Yaghoub Shayesteh, Amin Ataie, Esmaeil Akbari, Fatemeh Shaki)



SCIENTIFIC PROGRAMME

Thursday, 30th June 2016

11:45	Elevated talk (C036): The effect of the hyperpolarization-activated cyclic nucleotide-gated (HCN) channel blocker ZD72688 on spike-and-wave discharges in animal models of absence epilepsy Nihan Çarçak Yılmaz İstanbul University, TURKEY (Authors: Nihan Çarçak Yılmaz, Francois David, Filiz Onat, Vincenzo Crunelli)
12:00	End of symposium
09:00-10:30 Main Session Thursday, 30th June 2016, Hall D: Biased signaling - far beyond arrestin	
(Organized by Dutch Pharmacological Society)	
Organizer and chair: Martina Schmidt (University of Groningen, The NETHERLANDS)	
<i>*This section will be performed via Skype connection</i>	
09:00	PKA and Epac as biased signaling paradigms in cAMP Martina Schmidt University of Groningen, The NETHERLANDS
09:30	Differential G protein activation by a single GPCR as a signaling bias Martin Lohse University of Würzburg, GERMANY
10:00	Elusive equilibrium: The influence of kinetics on observed signaling bias Steven Carlton The University of Nottingham, UK
10:30	End of symposium
11:00-12:00 Local workshop Thursday, 30th June 2016, Hall E: Rational Drug Use	
12:00	End of congress

Monday, 27th June 2016

14:00-15:00	Meeting of the EPHAR EC Executive	Meeting room
Tuesday, 28th June 2016		
12:30-13:30	EUCPT Committee Meeting	Meeting room



PARALEL MEETINGS

17:00-18:30	EPHAR Council Meeting	Hall C
Wednesday, 29th June 2016		
15:00-16:00	Meeting of the new EPHAR EC Executive	Meeting room



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The British Pharmacological Society is delighted to announce initial details for our annual meeting, Pharmacology 2016. The latest research from across the whole spectrum of pharmacology will be the focus for plenary lectures, oral communications and poster sessions. There will also be invaluable opportunities for participants to network with pharmacologists from the UK, Europe and overseas.

Symposia

Cardiovascular & Respiratory Pharmacology

- From bench to bedside: Targeting the pathophysiological responses of ischemia-reperfusion injuries
- BSCR embedded symposium: Targeting cardiovascular GPCRs using biased agonism
- Nanomedicine in pharmacology

Drug Discovery, Development & Evaluation and Toxicology

- Organ-on-a-Chip technology - the future of physiological profiling?
- Clinical application of systems pharmacology models
- Clinical pharmacology, pharmacokinetics and pharmacogenetics in pregnancy (C4P)

Integrative Systems Pharmacology

- The long reach of the bowel: Translating microbiome science into therapeutics for systemic human diseases
- Study, development and rationale use of immunopharmacological agents
- Immuno-Oncology: From bench to bedside
- Translation to therapeutics: Resolution of inflammation

Molecular & Cellular Pharmacology

- Non-traditional/orphan GPCRs as novel therapeutic targets
- Biochemical strategies in drug discovery and targeting
- Anti-tumour pharmacology and traditional Chinese medicine

Neuropharmacology

- Uses and challenges for human pharmacology studies to understand CNS diseases
- Fatty acid amides (aka lipoamines) beyond cannabinoids
- Recent developments in research of melatonin and its potential therapeutics application

Dates for your diary

Registration opens: 24 June

Abstract submission deadline:
9 September

Bursary application deadline:
9 September

Early bird registration deadline:
9 September





EPHAR2016

7th European Congress of Pharmacology

Military Museum and Cultural Center
June 26-30 Istanbul, TURKEY

Poster Sessions

Poster Sessions



POSTER SESSIONS

Poster Session Day 1, Monday, 27th June 2016, Poster Hall 15:00-16:30

Receptors and Cell Signalling

- P001 Effect of cronical Δ9-tetrahydrocannabinol treatment on rho/rho-kinase signalization pathway in brain
Halil Mahir Kaplan, Ergin Şingirik
- P002 Characterization of simultaneous 5-HT and glutamate release in response to optogenetic stimulation of median raphe afferents
Flóra Gölöncsér, Mária Baranyi, Diána Balázsfi, Dóra Zelena, Kornél Demeter, József Haller, Beáta Sperlágh
- P003 Mechanical forces activate histamine H1 receptors
Serap Erdogmus, Ursula Storch, Michaela Winter, Carsten Hoffmann, Thomas Gudermann, Michael Mederos Y Schnitzler
- P004 Effect of cigarette smoking on rho/rho-kinase signalization pathway in lungs
Halil Mahir kaplan, Ergin Şingirik, Arash Alizadeh Yegani, Ercan Karabulut
- P005 The effects of selective MC3 agonist PG990 and PG992 on TNF-alpha induced chondrocyte cell death and pro-inflammatory cytokine release
Vedia C Can, Ian C Locke, Paolo Grieco, Stephen J Getting
- P006 Pterygial tissue Rho/Rho-kinase gene expressions
Abdullah Tuncay Demiryurek, Seydi Okumus, Serdar Oztuzcu, Yusuf Tuylu, Umit Aksoy, Ecir Ali Cakmak, Seniz Demiryurek
- P007 Epac1 links prostaglandin E2 to β-catenin transcriptional activity during epithelial-to-mesenchymal transition in A549 cells
Sepp R. Jansen, Wim De Jager, Stephen J. Yarwood, Frank Lezoualc'h, Reinoud Gosens, Martina Schmidt

Ion Channels

- P008 Effects of Capsaicin on human alpha7-nicotinic acetylcholine receptors
Luke Howarth, Eslam El Nebris, Syed Nurulain, Susan Keun Hang Yang, Frank Howarth, Murat Oz
- P009 The decrease in αENaC surface abundance in cultured alveolar epithelial cells in hypoxia depends on HIF-2α
Emel Baloglu, Kalpana Velineni, Heimo Mairbäurl
- P010 Bioinformatical investigations of Androctonus crassicauda scorpion toxins: Presence of GG4 domains
Süleyman Aydın, Ayça Çakmak



POSTER SESSIONS

Cardiovascular Pharmacology

- P011 The role of IκB-α/NF-κB pathway activation in hypotension and inflammation reversed by BAY 61-3606, a selective Syk Inhibitor, in rat models of septic and non-septic shock
Seyhan Sahan Firat, Meryem Temiz Resitoglu, Cuneyt Kemal Buharalioglu, Demet Sinem Guden, Sefika Pinar Senol, Ayse Nihal Sari, Meltem Kacan, Demet Unsal, Belma Korkmaz, Bahar Tuncan
- P012 Effects of fresh coconut milk consumption for 6 weeks on vascular functions in middle-aged male rats
Chaweewan Jansakul, Somruedee Yorsin, Kanyanatt Kanokwirun
- P013 Protective properties of grape polyphenols concentrate on the model of hypertensive syndrome in rats
Shynggys Sergazy, Shulgau Zarina, Gulyayev Alexander, Khassenbekova Zhanagul, Kabdulina Anel, Nurgozhin Talgat
- P014 AMG9810 inhibits TRPV1 channel mediated vascular responses
Dorsa Divsalar, Tamás Kark, Ágnes Czikora, Gábor Fülop, Tamás Csípő, Anett Fényi, Andrea Szalai, Attila Tóth, Robert Pórszász
- P015 Impact of diabetes and obesity in control of blood pressure in patients under pharmacological antihypertensive treatment
Ana Cristina Cabral, Margarida Castel Branco, Margarida Caramona, Fernando Fernandez Llimos, Isabel Vitória Figueiredo
- P016 Protective effects of ellagic acid on cardiovascular damage caused by hypertension in rats
Juliana Bahia Reis Jordão, Hellen Karine Paes Porto, Aline Carvalho Batista, Matheus Lavorenti Rocha
- P017 Vasorelaxing effect of resveratrol on bovine retinal arteries
Laura Vanden Daele, Charlotte Boydens, Bart Pauwels, Johan Van de Voorde
- P018 Protective effect of resveratrol and quercetin on in vitro-induced diabetic mouse corpus cavernosum
Charlotte Boydens, Bart Pauwels, Laura Vanden Daele, Johan Van De Voorde
- P019 Ketamine treatment reverses age-related vascular dysfunction in thoracic aorta
Semil Selcen Gocmez, Mustafa Ruan Sergazykyzy, Zhaznayeva Zhanat Kadyrbekovna, Cuneyt Ozer, Tugce Demirtas Sahin, Tijen Utkan
- P020 Protective effects of necrostatin-1 on doxorubicin induced cardiotoxicity
Zeynep Erdoğmuş Özgen, Meral Erdinç, Hasan Akkoç, İlker Kelle, Meryem Şeyda Kaya, Yusuf Nergiz, Levent Erdinç
- P021 Resveratrol treatment reversed vascular dysfunction induced by chronic fluorosis in rats
Mehmet Bulduk, Gokhan Oto, Hulya Ozdemir, Emine Demirel Yilmaz
- P022 Role of the nitric oxide on rosuvastatin-induced relaxation of the calf cardiac vein during cooling
Kismet Esra Nurullahoğlu Atalık, Mustafa Güreşir



POSTER SESSIONS

- P023 Relationship with urotensin-II peptide and cyclosporine-a due to endothelial dysfunction and nephrotoxicity in rats
Murat Olukman, Deniz Çoşkunsever, Selvi Nalbant, Selim Şentürk, Yiğit Uyanıkgil, Türker Çavuşoğlu, Cenk Can, Sibel Göksel, Soner Duman, Eser Sözmen, Fatma Güл Çelenk
- P024 The effects of melatonin on protection of postconditioning in myocardial ischemia reperfusion induced infarct size: Role of mitochondrial uncoupling protein 3
Gülnur Aslan, Engin Sahna
- P025 Effects of endoplasmic reticulum stress on hypertension induced endothelial dysfunction in rat
Sevtap Han, Nur Banu Bal, Suzan Emel Usanmaz, Orhan Uludağ, Emine Demirel Yılmaz
- P026 Effects of LXR agonist GW3965 on vascular reactivity in DOCA-salt induced hypertension in rat
Sevtap Han, Nur Banu Bal, Suzan Emel Usanmaz, Orhan Uludağ, Emine Demirel Yılmaz
- P027 Cilostazol-induced relaxation of calf cardiac vein and coronary artery during cooling
Kısmet Esra Nurullahoğlu Atalık, Z.ulya Nurullahoğlu, Mehmet Kılıç, Alpay Arıbas
- P028 Effect of peroxynitrite on the anticontractile activity of perivascular adipose tissue
Azizah Ugusman, Alexandra Riddell, Simon Kennedy
- P029 The transcription factor ETS-2 a possible marker of early instability in CABG patients
Teresa Tejerina, Ursula Medina, Manuel Carnero, Marta Ramajo, Monica Garcia Bouza, Fernando Reguillo
- P030 Study of sitagliptin (inhibitor of dipeptidyl peptidase 4) on the proliferation and apoptosis of vascular smooth muscle cells of diabetic and non-diabetic patients
Jose Antonio Gonzales Correa, Teresa Tejerina, Marta Ramajo, Mauricio Garcia Alonso, Fernando Reguillo, Sofia De La Serna, Ursula Medina
- P031 The in vitro effects of botulinum toxin A and papaverine on radial artery grafts
Ömer Tanyeli, İpek Duman, Yüksel Dereli, Hatice Toy, Ayşe Saide Sahin
- P032 The effect of 5-lipoxygenase inhibition and its interaction with cyclooxygenase pathway in a rat model of myocardial infarction
Leyla Abueid, Alev Cumbul, Aylız Velioğlu Öğünç, Feriha Ercan, Ünal Uslu, İnci Alican
- P033 Expressions and functions of phosphodiesterase enzymes are different in different region of the rat heart
Mehmet Kursat Derici, Gökhan Sadi, Başar Cenik, Tülin Güray, Emine Demirel Yılmaz
- P034 The role of liver X receptors on cardiac dysfunction induced by hypertension
Nur Banu Bal, Sevtap Han, Suzan Emel Usanmaz, Orhan Uludağ, Emine Demirel Yılmaz
- P035 Effect of endoplasmic reticulum stress inhibition on cardiac remodelling induced by hypertension
Nur Banu Bal, Sevtap Han, Saba Kiremitci, Gökhan Sadi, Orhan Uludağ, Emine Demirel Yılmaz
- P036 The effect of flecainide and ranolazine on calcium transients in rat cardiomyocytes
Sumir Chawla, Anita Alvarez Laviada, Kenneth Macleod



POSTER SESSIONS

- P037 The role of a reduction in calcium sensitivity in H2S induced relaxation in bovine retinal artery
Selçuk Takır, Ayça Toprak, Birsel Sönmez Uydeş Doğan
- P038 Levosimendan confers protection against doxorubicin induced acute cardiotoxicity through induction of anti-oxidant and anti-apoptotic mechanisms
Panagiotis Efentakis, Aimilia Varela, Frageska Sigala, Nikolaos Kostomitsopoulos, Roxane Tenta, Kathrine Gioti, John Parisis, Dimitris Farmakis, Andreas Papapetropoulos, Thomas Suter, Denis Cokkinos, Ioanna Andreadou
- P039 Anti-atherosclerotic and cardioprotective properties of Crocus sativus L. aqueous extract in ApoE-/ deficient mice
Eirini Christodoulou, Panagiotis Efentakis, Zacharias Ioannis Kakazanis, Athanasia Chatzianastasiou, Marianna Stasinopoulou, Nikolaos Kostomitsopoulos, Nikolaos Kadoglou, Ionna Andreadou, Georgia Valsami
- P040 Timolol improves vascular dysfunction via inhibition of oxidative stress in DOCA-salt hypertensive rats
Mesut Cicek, Isil Ozakca, Salih Erpulat Ozis, Arzu Onay Besikci, Arif Tanju Ozcelikay
- P041 Pannexin channels do not influence endothelial function in porcine coronary arteries
Alaa Hamed Habib, William R Dunn, Vera Ralevic
- P042 Cyclophilin-D-independent effects of H2S donors in cardioprotection
Athanasia Chatzianastasiou, Sofia Iris Bibli, Matthew Whiteman, Ioanna Andreadou, Csaba Szabo, Andreas Daiber, Andreas Papapetropoulos
- P043 Investigation of the effect of anacardic acid on ICAM-1, VCAM-1 and NF-κB in human saphenous vein graft endothelial culture induced with TNF-α
Burak Onal, Ahmet Gökhan Akkan, Duygu Gezen Ak, Bülent Demir, Sibel Özyazgan
- P044 The effects of pitavastatin on nuclear factor-kappa B (NF-κB) and adhesion molecules in human saphenous vein graft endothelial culture
Bülent Demir, Burak Önäl, Erdinç Dursun, Sibel Özyazgan, Ahmet Gökhan Akkan
- P045 Role of MMP-2 on vascular reactivity changes in early atherosclerosis
Aslı Arun, Mehmet Arun, Duygu Sahin, Gulnur Sevin, Gunay Yetik Anacak
- P046 Taurine relaxes human radial artery in vitro
Melik Seyrek, Erkan Kaya, Kemal Gokhan Ulusoy, Kubilay Karabacak, Oguzhan Yildiz, Suat Dogancı, Ibrahim Duvan, Vedat Yıldırım, Ufuk Demirkılıc
- P047 Modulation of vascular tone by omega-3 polyunsaturated fatty acids in human saphenous vein
Armond Daci, Imran Uyar, Gulsev Ozen, Onder Teskin, Birsel Sönmez Uydeş Doğan, Gökcé Topal
- P048 The assessment of the relaxant effect of S-nitrosoglutathione on isolated human saphenous vein
Nurdan Dagtekin, Erkan Civelek, Deniz Kaleli Durman, Onder Teskin, Taner Iyigun, Birsel Sonmez Uydes Dogan



POSTER SESSIONS

- P049 The effect of sirolimus and everolimus on human saphenous vein
Erkan Civelek, Deniz Kaleli Durman, İlkay Alp Yıldırım, Önder Teskin, Birsel Sönmez Uydeş Doğan
- P050 Trimetazidine prevents left ventricular remodeling in rats with chronic alcohol-induced cardiomyopathy
Larisa Kolik, Joseph Tsorin, Anna Nadorova, Valery Stolyaruk, Marina Vititnova, Ekaterina Ionova, Alexandra Sorokina, Andrey Durnev, Sergey Kryzhanovsky
- P051 Vasorelaxant effect of arctigenin in Human Saphenous Vein
Armond Daci, Shaip Krasniqi, Raif Cavolli, Burim Neziri, Giangiacomo Beretta
- Vascular Endothelium**
- P052 Increased Nox5 expression and RhoA/p38MAPK/NFkB activation are involved in cigarette smoke-induced functional arterial CXCL16 expression
Aida Collado, Patrice Marques, Elena Domingo, Cristina Rius, Paula Escudero, Cruz Gonzalez, Emilio Servera, Laura Piqueras, Maria Jesus Sanz
- P053 Protective effects of PPAR β/δ activation on endothelial dysfunction induced by plasma from systemic lupus erythematosus patients in human endothelial cells
Marta Toral, Rosario Jimenez, Miguel Romero, Iñaki Robles Vera, Manuel Sanchez, Jose Mario Sabio, Juan Duarte
- P054 Effect of adipokines visfatin and IL (interleukin)-1 β in the vascular damage in mice mesenteric microvessels
Mariella Ramos Gonzalez, Susana Vallejo, Alvaro San Hipólito Luengo, Elena Cercas, Concepción Peiró, Carlos Sánchez Ferrer
- Gasotransmitters**
- P055 The relaxant effects of slow releasing hydrogen sulfide donors GYY4137 and AP66 on human saphenous veins and the role of caveolae
Selin Yamakoğlu, Fatoş İlkay Alp Yıldırım, Günay Yetik Anacak, Önder Teskin, Matthew Whiteman, Birsel Sönmez Uydeş Doğan
- P056 Mechanism of restoration of carbachol-induced contractions by H₂S in detrusor smooth muscle in acute cystitis
Merve Denizaltı, Andreas Papapetropoulos, Nezahat Tuğba Durlu Kandilci
- Respiratory Pharmacology**
- P057 Hydroxysafflor yellow a attenuates bleomycin-induced pulmonary fibrosis in mice
Ming Jin, Yan Wu, Lin Wang, Baoxia Zang, Li Tan
- P058 Protective effect of hydroxysafflor yellow a on inflammatory injury in chronic obstructive pulmonary disease rats
Ming Jin, Changjiang Xue, Yu Wang, Fang Dong, Yuanyuan Peng, Yadan Zhang, Baoxia Zang, Li Tan
- P059 Evaluation of the mechanism of tracheal hyperreactivity to 5-hydroxytryptamine in lipopolysaccharide-induced airway inflammation
Yesim Kaya, Yasemin Karaman, Turgut Emrah Bozkurt, Inci Sahin Erdemli



POSTER SESSIONS

Endocrine Pharmacology

- P060 Investigation of PTEN and NOS gene expressions in Hashimoto's thyroiditis
Suzan Tabur, Abdullah Tuncay Demiryurek, Serdar Oztuzcu, Elif Oguz, Mesut Ozkaya, Seniz Demiryurek
- P061 High fructose consumption causes pancreatic inflammation in rats
Mehmet Bilgehan Pektaş, Tulay Koca, Gozde Ozturk, Gokhan Sadi, Fatma Akar
- P062 Evaluation of efficiency of French maritime pine bark (*Pinus maritima*) extract in high-fat diet and streptozotocin-induced diabetes in rats
Bedirhan Ay, Ercüment Ölmez, Kamil Vural, Tuğba Çavuşoğlu, Ahmet Var, Işıl Aydemir
- P063 Effects of insulin on serum uridine levels in rats
Mesut Türkyılmaz, Mehmet Cansev
- P064 Renin-angiotensin system in pathophysiology and pharmacotherapy of osteoporosis and sarcopenia
Genka Tsvetanova Krasteva, Emilia Tsvetanova Lakova, Joana Rumenova Nikolova, Nina Emilova Ivanova, Miroslav Lyubenov Dobrev, Iliya Ivov Duhlenski, Aygulya Mayrova Akisheva, Sabie Ibrahim Korenarska
- P065 Protective effect of dexpantenol against streptozotocin-induced lung injury in rats
Hakan Parlakpinar, Hilal Ermis, Alaaddin Polat, Mustafa Sagir

Obesity and Metabolic Diseases

- P066 Alterations in small molecule metabolites of cardiac muscle in experimental type 2 diabetic cardiomyopathy rat model
Shifen Dong, Rong Zhang, Yaoyue Liang, Yikun Sun, Jiachen Shi, Shuofeng Zhang, Janning Sun
- P067 Characterization of streptozotocin (STZ)-induced diabetic rats, a type 1 diabetes model with associated co-morbidity
Clarisse Duval, Philippe Guillaume, Vincent Castagné, Camille Le Cudennec
- P068 Effects of chronic etanercept, a TNF- α inhibitor, on vascular reactivity in cafeteria diet-fed rats
Tugce Demirtas Sahin, Semil Selcen Gocmez, Tijen Utkan
- P069 The effect of "Boldine" on metabolic syndrome induced erectile dysfunction
Erkan Kara, Erkan Kahraman, Ezgi Dayar, Gunay Yetik Anacak, Omer Demir, Nese Atabey, Sedef Gidener, Nergis Durmus
- P070 Hypocholesterolaemic effects of probiotics
Maja Djanic, Nebojsa Pavlovic, Bojan Stanimirov, Karmen Stankov, Svetlana Golocorbin Kon, Momir Mikov
- P071 Targeting adipocyte differentiation with Hydro Alcoholic Extract of *Myristica fragrans* seeds for the treatment of obesity
Lingesh Allakonda, Sateesh Kumar Nanjappan, Ganga Modi Naidu



POSTER SESSIONS

- P072 Fractionation of wheat germ by high pressure extraction methods and evaluation of its antioxidant properties in extracts and dry plant material
Husseen Manafikhi, Rimantas Venskutonis, Ilaria Peluso, Raffaella Reggi, Khaoula Adouni, Sarra Bensehaila, Christian Zanza, Yaroslava Longhitano, Maura Palmery

Gastrointestinal Pharmacology

- P073 Intestinal anti-inflammatory effects of a *Theobroma grandiflorum* schum. (cupuaçu) enriched diet in the trinitrobenzenesulfonic acid model of rat colitis
Alexandre Da Silveira Chagas, Luiz Domingues De Almeida Júnior, Tainan Freitas Salmeron Curimbaba, Ana Elisa Valencise Quaglio, Celso Acácio Rodrigues De Almeida Costa, Anderson Manuel Herculano Oliveira Da Silva, Luiz Claudio Di Stasi
- P074 Intestinal anti-inflammatory effect of olive leaf extract in the DSS model of mouse colitis
Teresa Vezza, Francesca Algieri, Alba Rodriguez, Jose Garrido, Pilar Utrilla, Nassima Talhaoui, Ana Maria Gómez Caravaca, Antonio Segura, Maria Elena Rodriguez, Julio Galvez

- P075 Protective effect of lazariod U-74389 G on experimental colitis in Wistar rats
Galya Tzvetanova Stavreva, Plamen Krasimirov Krastev, Tatyana Marinova Betova, Alexander Bozhidarov Blazhev, Violeta Yordanova Dancheva

Genitourinary and Reproductive Pharmacology

- P076 HGF-cMET pathway has a role in testicular damage in diabetes induced by streptozotocine
Mukaddes Gumustekin, M. Aylin Arici, Serap Cilaker Micili, Meral Karaman, Ensari Guneli, Isil Tekmen
- P077 Ambroxol improves cyclophosphamide-induced oxydative damage and contractility in mice urinary bladder
Elif Nur Gazioğlu, Seçkin Engin, Burak Barut, Mahmoud Abudayyak, Mine Kadıoğlu Duman, Arzu Özel
- P078 Effect of fructose rich diet on rat detrusor smooth muscle contractility
S. Sırı Bilge, Mustafa Suat Bolat, Arzu Erdal Ağrı, Fikret Erdemir, Ekrem Akdeniz, Fatih Fırat, Ömer Alici
- P079 The effect of atorvastatin and gemfibrozil on mouse corpus cavernosum tissue
Ilnur Erkoseoglu, Mine Kadıoglu Duman, Merve Saglam, Ersin Yaris, Murat Sabri Kesim, Nuri Ihsan Kalyoncu
- P080 Chronic effects of atypic antipsychotics on vas deferens contractions in mice
Mehmet Hanifi Tanyeri, Mehmet Emin Buyukokuroglu, Pelin Tanyeri, Oğuz Mutlu, Güner Ulak, Füruzan Yıldız Akar, Faruk Erden
- P081 The effects of *Ferula eleochoytris* root extract on erectile dysfunction in diabetic rats
Nadire Eser, H. Sinem Büyüknacar, Özge Öztürk Çimentepe, Yılmaz Uçar, Cemil Göçmen, Eda Kumcu



POSTER SESSIONS

- P082 Investigation concerning protective and therapeutic effects of agomelatine on renal ischemia reperfusion injury in rats
Onural Ozhan, Hakan Parlakpinar, Orhan Turfan, Mehmet Demir, Alaaddin Polat, Ahmet Acet
- P083 Effects of long-term treatment with paliperidone, iloperidone and loxapine on mice isolated vas deferens
Mehmet Hanifi Tanyeri, Mehmet Emin Buyukokuroglu, Pelin Tanyeri, Oğuz Mutlu, Güner Ulak, Füruzan Yıldız Akar, Faruk Erden
- P084 Decorin administration improves bladder function in partial bladder outlet obstruction in rabbits
Oguzhan Yildiz, Melik Seyrek, Kemal Gokhan Ulusoy, Engin Kaya, Yusuf Kibar, Sercan Yilmaz, Turgay Ebiloglu, Ayhan Ozcan
- P085 Protective and therapeutic effects of dexamphenylol on isoproterenol-induced renal damage in rats
Hakan Parlakpinar, Ferhat Kalkan, Alaaddin Polat, Ahmet Acet
- P086 Retrospective evaluation of pregnant women consulted because of drug exposure during pregnancy
Irem Cavusoglu, Mine Kadioglu, Ilknur Erkoseoglu, Turhan Aran, Mehmet Armagan Osmanagaoglu, Engin Yenilmez, Sabri Murat Kesim, Ersin Yaris, Nuri Kalyoncu
- P087 Medroxyprogesterone acetate use in pregnancy
Irem Cavusoglu, Ilknur Erkoseoglu, Mine Kadioglu, Turhan Aran, Mehmet Armagan Osmanagaoglu, Engin Yenilmez, Sabri Murat Kesim, Ersin Yaris, Nuri Kalyoncu
- P088 The influence of risperidone and olanzapine on vas deferens in mice
Mehmet Hanifi Tanyeri, Mehmet Emin Buyukokuroglu, Pelin Tanyeri, Oğuz Mutlu, Güner Ulak, Füruzan Yıldız Akar, Faruk Erden
- P089 The effects of dehydroepiandrosterone and resveratrol on ovarian and endometrial morphology, serum hormone, oxidant and antioxidant levels in primary ovarian failure-induced rats
Yasemin Özatik, Orhan Özatik, Semra Yiğitaslan, Bilgin Kaygısız, Kevser Erol
- P090 Effect of a fructose rich diet on vas deferens contractility of rats
S. Sırı Bilge, Ekrem Akdeniz, Mustafa Suat Bolat, Fatih Fırat, Arzu Erdal Ağrı, Ömer Alıcı, Önder Çınar, Fikret Erdemir
- Veterinary Pharmacology**
- P091 Cardiac safety of gamithromycin in ewes
Orhan Corum, Burak Dik, Emre Bahcivan, Hatice Eser, Ayse Er, Enver Yazar
- P092 Effect of dexamethasone on blood thiobarbituric acid reactive substances and 13,14-dihydro-15-keto-prostaglandin-F2α levels
Ayse Er, Orhan Corum, Hatice Eser, Emre Bahcivan, Burak Dik, Enver Yazar



POSTER SESSIONS

**Poster Session Day 2, Tuesday, 28th June 2016,
Poster Hall 15:00-16:30**

Pain and Inflammation

- P093 The role of opioidergic mechanisms on the anti-allodynic and antihyperalgesic effect of valnoctamide in rats
Nurcan Bektas Turkmen, Rana Arslan, Dilara Nemutlu, Sule Aydin
- P094 Assessment of the antinociceptive effect of levetiracetam in a rat craniotomy pain model
Georgia Tsiaousi, Chryssa Pourzitaki, Evangelia Mavrantoni, Konstantinos Kapanidis, Dorothea Kapoukranidou, Dimitrios Kouvelas
- P095 Serum calcium levels correlate with serum cartilage oligomeric matrix protein levels in knee osteoarthritis patients
Nyi Mekar Sapatarini, Marlia Singgih Wibowo, Tutus Gusdinar Gusdinar
- P096 Investigation of local and systemic injected bone-marrow derived mesenchymal stem cells on cold allodynia and electrophysiologic parameters in mononeuropathic mice
Olcay Ergürhan Kiroğlu, Arash Alizadeh Yegani, Erkan Maytalman, Mustafa Emre, Fazilet Aksu
- P097 Contribution of platelet P2Y12 receptors to chronic inflammatory pain
Katinka Bekő, Bence Koványi, Gergely Horváth, Ádám Dénes, Zsuzsanna Környei, Bálint Botz, Zsuzsanna Helyes, Christa Elisabeth Müller, Beáta Sperlágh
- P098 Anti-inflammatory activity of neuropeptides hybrid in murine model of contact sensitivity response
Katarzyna Kaczynska, Ewelina Kogut, Dominika Zajac, Monika Jampolska, Dorota Sulejczak, Andrzej Lipkowski, Patrycja Kleczkowska
- P099 Effects of nociceptin receptor antagonism on experimentally-induced scratching behavior in mice
Kubra Duvan Aydemir, Ozgur Gunduz, Ahmet Ulugol
- P100 Contribution of nociceptin/orphanin FQ receptors to the antinociceptive and hypothermic effects of dipyrone
Ismet Hande Ertin, Ozgur Gunduz, Ahmet Ulugol
- P101 Involvement of descending serotonergic and noradrenergic systems and their spinal receptor subtypes in the antinociceptive effect of dipyrone
Aynur Gencer, Ozgur Gunduz, Ahmet Ulugol
- P102 Histopathological characteristics of sciatic nerve and soleus muscle tissues after local and systemic administration of mesenchymal stem cells in mononeuropathic mice
Olcay Kiroğlu, Arash Alizadeh Yegani, Erkan Maytalman, Kübra Demirkol, Suzan Zorludemir, Fazilet Aksu
- P103 The antinociceptive effect of intravenous pregabalin in colorectal distension-induced visceral pain in rats
Hasan Güzel, S. Sırri Bilge, Hakan Balçı, Bahar Akyüz, Deniz Gündoğdu Arslan, Fatih İlkaya, Ayhan Bozkurt



POSTER SESSIONS

- P104 Effect of ceftiofur on hyperalgesia and allodynia in rat neuropathic pain model and the role of immune processes on this effect
Recep Selim Şentürk, Aytül Önal, Sibel Ülker, Deniz Coşkunsever, Fatma Güл Çelenk, Selvi Nalbant
- P105 The effects of silver nanoparticles and graphene induced with electro-magnetic fields on human and bacterial cells
Alma Akhmetova, Timur Saliev, Dinara Baiskhanova, Mars Akishev, Gulsim Kulsharova, Dinara Begimbetova, Talgat Nurgozhin, Sergey Mikhalkovsky
- P106 The specific activity of vaginal suppositories based probiotic consortium
Zhanagul Khassenbekova, Alexander Gulyayev, Almagul Kushugulova, Saule Saduakhasova, Samat Kozhakhmetov, Maira Urasova, Shynggys Sergazy, Talgat Nurgozhin
- P107 Effects of agmatine on cisplatin-induced neuropathy and neurotoxicity
Bilgin Kaygisiz, Cigdem Cengelli, Sule Aydin, Basak Donertas, Engin Yildirim, Emel Ulupinar, Kevser Erol
- P108 Effects of anandamide on cisplatin-induced neuropathy and neurotoxicity
Bilgin Kaygisiz, Basak Donertas, Sule Aydin, Cigdem Cengelli, Engin Yildirim, Emel Ulupinar, Kevser Erol
- P109 Laboratory data and mannose-binding lectin characteristics in Turkish children with a history of acute rheumatic fever related carditis
Onur Gokhan Yildirim, Ayhan Pektas, Halit Bugra Koca, Serkan Kurtgoz, Mehmet Bilgehan Pektas
- P110 Antiinflamatory effect of carvacrol on cotton pellet granuloma test
Ayça Çakmak, Suleyman Aydin
- P111 Efficacy of pulsed radiofrequency therapy to dorsal root ganglion adding to transcutaneous electrical nerve stimulation and exercise for persistent pain after total knee arthroplasty
Ilknur Albayrak, Seza Apiliogullari, Çağatay Nusret Dal, Funda Levendoğlu, Önder Murat Özerbil
- P112 Pulsed radiofrequency applied to the dorsal root ganglia for treatment of post-stroke complex regional pain syndrome: a case series
Ilknur Albayrak, Seza Apiliogullari, Özkan Önal, Cengizhan Güngör, Ali Saltalı, Funda Levendoğlu
- P113 Ethanol extract of cumin (*Cuminum cyminum L.*) seeds inhibited lipopolysaccharide-induced inflammatory responses in Raw 264.7 cells
Oruc Allahverdiyev, Mehmet Berköz, Metin Yıldırım, Serap Yalın
- Neuropharmacology / Psychopharmacology**
- P114 Effects of carbamazepine (CBZ) and/or phenytoin (PHE) on liver enzymes and urea in Wistar Rats
Hadiza Aliyu, Joseph O Ayo, Suleiman F Ambali, Muhammed M Suleiman, Muhammed Tauheed, Peter O Yusuf, Hamza Isa



POSTER SESSIONS

- P115 Alterations in brain energy metabolism following acute administration of L-glutamate
G Nagesh Babu
- P116 Nitric oxide synthesis (NOS) inhibitors decrease global DNA methylation in the ventral hippocampus of rats submitted to learned helplessness
Izaque De Sousa Maciel, Amanda Juliana Sales, Samia R. L. Joca
- P117 Pregabalin has an atypical profile of anxiolytic-like activity in rodents
Vincent Castagné
- P118 Effects of asenapine and paliperidone on analgesy and locomotion: Altered gene expression levels of FGF2, synapsin and NGF in the hippocampus of mice
Esen Gümüşlü, Oğuz Mutlu, Güner Ulak, Furuzan Yıldız Akar, Faruk Erden, Havva Kaya, İpek K. Çelikyurt, Pelin Tanyeri
- P119 Effects of selective PDE-2 Inhibitor BAY60-7550, PDE-5 inhibitor sildenafil and PDE-9 inhibitor PF-04447943 on learning and memory in the Morris water maze test in naive mice
Emine Bektaş, Furuzan Yıldız Akar, Oğuz Mutlu, Güner Ulak, Faruk Erden
- P120 Effects of hippocampal histone acetylation and HDAC inhibition on spatial learning and memory in the Morris water maze in rats
Ruhan Deniz Topuz, Ozgur Gunduz, Ebru Tastekin, Cetin Hakan Karadag
- P121 Effects of rufinamide on spatial and avoidance memory in Morris water maze, elevated plus maze and passive avoidance tests in mice
İpek Komsuoğlu Celikyurt, Leman Huseynova, Oguz Mutlu, Guner Ulak, Furuzan Yildiz Akar, Faruk Erden
- P122 Effects of retigabine and lacosamide on acquisition and retrieval of memory in naive mice
Leman Huseynova, İpek Komsuoğlu Celikyurt, Oguz Mutlu, Guner Ulak, Furuzan Yildiz Akar, Faruk Erden
- P123 The Effects of Kai Xin San on the cognitive deficits and pathological changes of hippocampus in APP/PS1 double transgenic mice
Fang Fang, Ran Wang, Yaqi Di, Jingquan Zhang, Xuxing Sang
- P124 Comparison of the effects of varenicline and bupropion on the conditioned place preference test which is induced by morphine in rats
Oruc Allahverdiyev, Çağla Karakulak, Andleeb Shahzadi, Sibel Özyazgan, Bülent Demir, Burak Önal, Ahmet Gökhane Akkan
- P125 Effects of Kai Xin San on hippocampal synaptic plasticity in APP/PS1 double transgenic mice
Yaqi Di, Fang Fang, Ran Wang, Xuxing Sang, Jingquan Zhang
- P126 Effect of learned helplessness on spine synapse density in the dentate gyrus. Suggested role of P2X7 receptor
Agnes Kittel, Lilla Otrokocsi, Flóra Gölöncsér, Beáta Sperlágh
- P127 The effect of GLT-1 transporter activation on learning and memory Impairment in Morris water maze induced by scopolamine in rats
Birgül Özdemir Hoxha, Ruhan Deniz Topuz, Özgür Gündüz, Ahmet Ulugöl, Cetin Hakan Karadağ



POSTER SESSIONS

- P128 Determination of the changes in PP1, BDNF and Reelin gene expressions in hippocampus during spatial learning and memory in morris water maze in rats
Fatma Ceyda Korucu, Cetin Hakan Karadag
- P129 Investigation of antidepressant-like effect of dipyrone in forced swimming test
Kübra Demirkol, Olcay Ergürhan Kiroğlu, Arash Alizadeh Yegani, Emine Ekemen, Fatih Berktaş, Fazilet Aksu
- P130 The effects of a Ginkgo biloba extract on extinction and relapse of ethanol-induced conditioned place preference in mice
Oruc Allahverdiyev, Kamandar Yaqubov
- P131 Standardized methanolic extract of Cuscuta reflexa caused phenelzine like actions in animal models of depression
Sara Zeeshan, Wahid Zada, Ghulam Abbas
- P132 Famotidine reverses social withdrawal but not fear conditioning deficits induced by acute ketamine model in rats
Feyza Arıcıoglu, Gökhan Ünal, Ayşe Nur Hazar, Ceren Şahin, Rümeysa Keleş
- P133 Preclinical research of focal muscle hyperactivity disorders by clostridial neurotoxins
Ivica Matak, Maja Relja, Zdravko Lackovic
- P134 Optimizing effects of botulinum toxin treatment by post injection activity
Maja Relja, Marina Maravic, Ivana Jurjevic, Ivica Matak
- P135 Comparison of glutamic acid decarboxylase immunoreactivity in substantia nigra pars reticulata between genetic absence epileptic rats and nonepileptic control rats
Medine Gulcebi, Ozlem Akman, Nihan Carcak, Tugba Eryigit, Filiz Onat
- P136 Effects of diphenhydramine on long-term potentiation in healthy and REM sleep deprived rats
Sadik Taskin Tas, Metin Yesiltepe, Mehmet Yildirim Sara
- P137 Effects of modafinil on MDMA-induced spatial memory impairment
Rayhaneh Shariatmadari, Mohammad Sharifzadeh
- P138 The effects of doxycycline against chronic stress-induced anxiety in rats
Ulya Keskin, Oğuzhan Ekin Efe, Erkan Ermis, Seda Cal, Saban Remzi Erdem
- P139 Protective effects of melatonin against 2,3,7,8-Tetrachlorodibenzo-p-dioxin-induced brain injury in rats
Hakan Parlakpinar, Mustafa Sagir, Osman Ciftci
- P140 The effect of orphenadrine on morphine induced conditioned place preference
Cagla Karakulak, Andleeb Shahzadi, Oruc Allahverdiyev, Ahmet Gokhan Akkan, Sibel Ozyazgan
- P141 Diabetic conditions alters insulin degrading enzyme levels
Inci Kazkayasi, Nihan Burul Bozkurt, Serdar Uma, Angel Cedazo Minguez
- P142 Plasma corticosterone levels in behavioural model-induced stress in rats
Pınar Yamantürk Çelik, Hüseyin Tonyalı, Selçuk Şen, Yağız Üresin



POSTER SESSIONS

- P143 Scopolamine-induced convulsions in fasted mice after food intake: Involvement of nitrergic system
Pınar Yamantürk Çelik, Hanife Rahmanlar, Zeynep Güneş Özünal
- P144 GABAA receptor agonist muscimol at super low doses improves spatial memory and prevents Neuroinflammation in a non-transgenic rat AD-type model
Jolanta Upite, Karina Narbute, Ulrika Beitnere, Vladimirs Pilipenko, Zane Dzirkale, Juris Rumaks, Baiba Jansone, Vija Klusa
- P145 Comparison of the effects of three different PDE inhibitors, sildenafil, BAY 60-7550 and PF-04447943 on fear memory in the fear conditioning test in mice
Emine Bektaş, Furuzan Yıldız Akar, Oğuz Mutlu, Güner Ulak, Faruk Erden
- P146 Investigation of some central activities of fresh leaf essential oil of Lantana camara in mice
Idris Ajayi Oyemitan, Oluwatayo Benedict Olowolafe, Tosin Maxwell Olaleye, Adebola Omowumi Oyedeji
- P147 Antipsychotics decreased the uptake of dietary antioxidant quercetin into neonatal rat astrocytes
Mojca Krzan, Lana Novic;, Lucija Novak, Lovro Ziberna
- P148 The evaluation of the neurotoxic effects of levosimendan on neuroblastoma cells
Tülün Öztürk, Kamil Vural, Bedirhan Ay, İşıl Aydemir
- Cancer Chemotherapy**
- P149 The effect of metformin alone and in combination with 5-fluorouracil and oxaliplatin on human HT-29 colon cancer cell line
Ezgi Bozkurt, Recep Bayram, Özge Uzun
- P150 Comparison of anticancer activity of hydroalcoholic extracts of Curcuma longa L, Peganum harmala L and Boswellia serrata on HeLa cell line
Farzaneh Farajian Mashhadi, Saeedeh Salimi, Foroozan Foroozandeh, Nooshin Naghsh
- P151 Cytotoxic activity of the alkaloids from the stem of Xylopia laevigata
Daniel Pereira Bezerra, Leociley Rocha Alencar Menezes, Cinara Oliveira D'sousa Costa, Ana Carolina Borges Da Cruz Rodrigues, Felipe Rosário Do Espírito Santo, Angelita Nepel, Lívia Macedo Dutra, Felipe Moura Araújo Silva, Milena Botelho Pereira Soares, Andersson Barison, Emmanoel Vilaça Costa
- P152 Ehrlich Ascites Carcinoma: one of the most lucid cell lines to carry out in-vitro anticancer research- a review
Anurag Chanda
- P153 Apoptotic and cytotoxic effects of Pistacia vera nut extract on human hepatocellular carcinoma cell line SNU-423
Abdullah Tuncay Demiryurek, Ebru Temiz, Ahmet Saracaloglu, Serdar Oztuzcu, Seniz Demiryurek, Bilge Sener, Beyhan Cengiz, Mustafa Ulasli, Celalettin Camci
- P154 Anticancer effects of cannabinoid agonists ACEA and L-759656 on MCF-7 breast cancer cell line and HUVEC
Nergiz Hacer Turgut, Ahmet Altun, Muhammed Mucahit Cicek, Merve Ergul, Bulent Sarac



POSTER SESSIONS

- P155 Anticancer effects of Rho kinase inhibitors AS 1892802 and Fasudil hydrochloride on MCF-7 breast cancer cell line and HUVEC
Ahmet Altun, Nergiz Hacer Turgut, Muhammed Mucahid Cicek, Merve Ergul, Bulent Sarac
- P156 Protective and therapeutic effects of molsidomine on retinopathy and oxidative stress induced by radiotherapy in rat eyes
Hakan Parlakpinar, Murat Atabey Ozer, Nihat Polat, Kemal Ekici, Alaaddin Polat, Serkan Ozen
- P157 A Novel HSP90 Inhibitor, PU-H71 Decreases Tumor Growth and Alters Anti-tumoral Immune Response in Metastatic Breast Carcinoma Model
Şule Kale, Nuray Erin
- P158 PU-H71 and radiotherapy in combination decreases tumor growth and lung metastasis in metastatic breast carcinoma model
Şule Kale, Aylin Fidan Korcum, Yiğit Çeçen, Nuray Erin
- P159 Effects of alfacalcidol and calcitriol on cell proliferation in HEC1A endometrial adenocarcinoma cells
Ibrahim Duman, Ismail Ün, Rukiye Nalan Tiftik
- P160 A meta analysis for comparison efficacy and safety of epidermal growth factor receptor inhibitors cetuximab and panitumumab
Manolya Kivilcim, Ilker Etikan, Nurettin Abacioglu, Bilgen Basgut

Immunopharmacology

- P161 Erythrocyte ghosts' influence on the phenotypic plasticity of macrophage
Zhanagul Khassenbekova, Gulyayev Alexandr, Shynggys Sergazy, Yermekbayeva Bakytgul, Nurgozhin Talgat, Zhumadilov Zhaxybay
- P162 Outer Membrane Vesicles (OMVs) secreted by probiotic Escherichia coli Nissle 1917: effects on chronic experimental colitis induced by dextran sulfate sodium (DSS) in mice
María José Fábrega, Alba Rodríguez, Francesca Algieri, Josefa Badía, Rosa Giménez, Julio Gálvez, Laura Baldomà
- P163 Intestinal anti-inflammatory effect of Satureja obovata extract in the TNBS model of rat colitis
Francesca Algieri, Teresa Vezza, Alba Rodríguez, María Pilar Utrilla, María Reyes González Tejero, Manuel Casares Porcel, Joaquín Molero Mesa, María Elena Rodríguez Cabezas, Julio Gálvez
- P164 NK2 receptor but not NK1 receptor antagonist (GR159897, RP67580) increases release of angiogenic chemokine from breast carcinoma
Esra Nizam, Nuray Erin
- P165 In-vivo effects of NK1 and NK2 receptor antagonists on metastatic breast carcinoma
Esra Nizam, Nuray Erin, Gamze Tanrıöver



POSTER SESSIONS

P166 Dietary galacto-oligosaccharides improve budesonide treatment efficacy in house dust mite-induced asthma in mice by enhancing suppression of pulmonary Th2 driving mediators

Kim A.t. Verheijden, Saskia Braber, Thea Leusink Muis, Prescilla V. Jeurink, Suzan Thijssen, Aletta D. Kranefeld, Johan Garssen, Gert Folkerts, Linette E.m. Willemsen

P167 The role of urotensin-II and its receptors in sepsis induced lung injury under diabetic conditions

Rustem Anil Ugan, Elif Cadirci, Zekai Halici, Erdem Toktay, Irfan Cinar

Drugs for Infectious Diseases

P168 Evaluation of the antibacterial activity of the solvent fractions of the leaves of Rhamnus prinoides L'Herit (Rhamnaceae)

Yalew Molla, Teshome Nedi, Getachew Tadesse, Haile Alemayehu, Workineh Shibeshi

P169 In Vitro Susceptibility Patterns of Clinically Important Trichophyton, Microsporium and Epidermophyton Species Against Four Antifungal Drugs

Mine Aydın Kurç, Ayşe Demet Kaya, Gamze Erfan

P170 An altenative regime for the treatment of neurobrucellosis: tigecycline combination

Murat Yeşilyurt, Ayşe Demet Kaya, Mine Aydın Kurç

P171 Effects of pioglitazone, a agonist of ppar-gamma, on mesenteric blood flow and organ damage in an experimental septic shock

Erdem Kamil Ozer, Alper Bektas Iskit, Mustafa Ilhan

P172 Effects of PTDC, an inhibitör of NF- κB, on mesenteric blood flow and organ damage in an experimental septic shock

Erdem Kamil Ozer, Alper Bektas Iskit, Mustafa Ilhan

P173 Effects of genistein, a tyrosine kinase inhibitor, on mesenteric blood flow and organ damage in an experimental septic shock

Erdem Kamil Ozer, Alper Bektas Iskit, Mustafa Ilhan

P174 Preventive effects of thymoquinone on survival, vascular dysfunction and tissue injury in sepsis

Erdem Kamil Ozer, Mustafa Tugrul Goktas, Aysun Toker

Imaging Techniques

P175 Evaluation of possible cytotoxic effects of Vanadium pentoxide on colon carcinoma cell line with a real time analyser

Ebru Öztürk, Alim Hüseyin Dokumacı, Ayşe Kübra Karaboğa Arslan, Mükerrem Betül Yerer Aycan

P176 Real-time xCELLigence impedance analysis of the cytotoxicity of vanadium pentoxide on normal human fibroblast and MCF-7 cells

Ayşe Kübra Karaboğa Arslan, Ebru Öztürk, Alim Hüseyin Dokumacı, Mükerrem Betül Yerer Aycan

P177 Cytotoxic effects of novel oxadiazole derivatives on MCF-7 breast cancer cell line

Ebru Öztürk, Sedat Gülay, Tuğçe Özyazıcı, Marva Bader, Mükerrem Betül Yerer Aycan, Meriç Köksal Akkoç



POSTER SESSIONS

Pharmacology Education

- P178 Kazakhstan National Medicines Formulary: building an evidence-based culture using expert resources and networks
Duncan Enright, David Woods, Natalia Cebotarenco, Krystyna Joyce
- P179 Objective structured clinical examinations (OSCE) improved communication skills of student of pharmacology in medicine and podiatry degree
Inmaculada Bellido, Encarnación Blanco, Aurelio Gomez Luque
- P180 Erythropoietin accelerates tumor growth through increase of erythropoietin receptor (EpoR) in vitro and vivo as well as vascular endothelial growth factor receptor (Flt-1) expression in DLD-1 and Ht-29 xenografts
Anna Tankiewicz-Kwedlo, Justyna Magdalena Hermanowicz, Arkadiusz Surazynski, Dariusz Rozkiewicz, Anna Prycznicz, Krystyna Pawlak, Tomasz Domaniewski, Dariusz Pawlak
- P181 Evaluation of Patients' Attitudes Regarding Medicine Use for Dental Health Problems
Cenker Zeki Koyuncuoglu, Neriman Ipek Kirmizi, Ilayda Ceylan, Bahattin Saz, Ahmet Akici
- P182 An evaluation of knowledge and attitudes of second year students of Akdeniz University Medical Faculty about rational drug use
Zeliha Bayram, Devrim Demir Dora
- P183 Investigation the use of over-the-counter and herbal medication in a Turkish university population
Sevim Aksoy Kartci, Çiğdem Apaydın Kaya

Poster Session Day 3, Wednesday, 29th June 2016,

Poster Hall 15:00-16:30

Pharmacokinetics and Drug Metabolism

- P184 Bioavailability and metabolism products of andrographolide in A23187 induced-rabbit
Jutti Levita, Tanti Juwita, Selma Ramadhani, Nyi Mekar Saptarini, Mutakin Mutakin
- P185 P-glycoprotein mediated pharmacokinetic interaction between talinolol and barnidipine
Narin Ozturk, Dilek Ozturk, Zeliha Pala Kara, Alper Okyar
- P186 Sex factors in the pharmacokinetics of itopride in healthy human volunteers
Jiri Kopecky, Zbynek Svoboda, Jana Zoulova, Ivana Zubata, Libuse Smetanova
- P187 The frequency of monitoring phenytoin therapeutic concentration range and re-evaluation of the corrected phenytoin levels
Emine Karatas Kocberber, Deniz Kizilaslan, Cem Erdogan, Barkin Berk
- P188 Pharmacokinetics of opioids in chronic low back pain (CLBP) treatment: preliminary data on cytochrome p450 2D6 (CYP2D6)
Concetta Dagostino, Massimo Allegri, Silvana Montella, Carlotta Vellucci, Arianna Montali, Marco Bacarello, Maurizio Marchesini, Christian Angel Compagnone, Guido Fanelli



POSTER SESSIONS

- P189 Clopidogrel markedly increases the plasma concentrations of pioglitazone: evidence for strong inhibition of CYP2C8 by clopidogrel
Matti K Itkonen, Aleksi Tornio, Mikko Neuvonen, Pertti J Neuvonen, Mikko Niemi, Janne T Backman
- P190 Prediction of CYP2D6 phenotype from the risperidone and its active metabolite 9-OH-risperidone concentration ratio in children with conduct disorders
Havva Nuket Isiten, Sule Gok, Selma Ozilhan, Fadime Canbolat, Nevzat Tarhan
- P191 β -adrenoceptor mediated antiproliferative effect in MB 231 breast cancer cells does not depend on the inhibition of extracellular regulated kinase 1/2 activity
Matilda Merve Tuğlu, Gözde Özyön, Hakan Gürdal

Clinical Pharmacology

- P192 The effects of the antiepileptic drugs on the levels of thyroid hormones, Vitamin B12 and folate
Nermin Bolukbasi, Okan Bolukbasi, Ferda Akar
- P193 Utilization of generics in antipsychotic prescribing for outpatients of AHEPA hospital in Greece during the years of financial crisis
Paraskevi Papaioannidou, Nikolaos P. Moschopoulos, Paschalina Kasviki, Ioannis Nimatoudis
- P194 Trends in generic use of antidepressants during the financial crisis in Greece
Paraskevi Papaioannidou, Maria Michailidou, Stamatia Michailidou, Achilleas Ntaralas
- P195 Nurses' knowledge, opinions and attitudes toward clinical research – a cross sectional survey at Dokuz Eylul University Hospital
Hacer Bulut Aksoy, M Aylin Arici, Reyhan Ucku, Ayse Gelal
- P196 Pharmacovigilance perception and adverse drug reaction reporting of physicians in an university hospital
Mukaddes Gumustekin, M. Aylin Arici, Pelin Ozkan, Ayse Gelal, Yesim Tuncok
- P197 Use of hormonal contraceptives in Thessaloniki, Greece
Paraskevi Papaioannidou, Maria Michailidou, Achilleas Ntaralas
- P198 Hypoglycemic properties of polyphenol concentrate from Cabernet Sauvignon collection of grapes of Kazakhstan region on the model of alloxan induced diabetes in rats
Shynggys Sergazy, Gulyayev Alexandr, Shulgau Zarina, Nurgozhin Talgat
- P199 Clinical trials in Turkey registered at clinicaltrials.gov
Zeliha Bayram, Asena Ayse Genc, Buket Güngör
- P200 What is the additional monitoring drugs?
Zeliha Bayram, Asena Ayse Genc, Buket Güngör
- P201 Rational use of methylphenidate in ADHD in Umranije, Istanbul
Isa Badur
- P202 Self-medication practices with antibiotics among Greek medical students
Chryssa Pourzitaki, Georgios Papazisis, Georgia Tsousi, Georgios Geropoulos, Christos Drosos, Eirini Apostolidou, Chrysanthi Sardeli, Dimitrios Kouvelas



POSTER SESSIONS

- P203 Evaluation of potential drug–drug interactions in cardiovascular surgery intensive care unit patients
Berna Terzioğlu Bebitoğlu, Murat Uğur, Cevdet Koçoğulları, Mehmet Eren
- P204 Assessment of drugs that may prolong QT and/or cause torsades de pointes in the intensive care unit patients of a university hospital
Nesrin Çağlayan Duman, Medine İdrisoğlu Gülcеби, Beycan Gözde Ayhan, Songül Özkuла, Zehra Nur Turgan Aşık, Rezzan Güлhan, Filiz Onat, Mehmet Zafer Gören, Atila Karaalp
- P205 Venlafaxine side effects on urogenital system caused early diagnosis of prostate cancer:
A case report
Ayse Parlar Gurkan, Ahmet Ayer
- P206 Antipsychotic prescribing for inpatients of AHEPA hospital in Greece
Paraskevi Papaioannidou, Paschalina Kasviki, Nikolaos P. Moschopoulos, Ioannis Nimatoudis
- P207 Use of antihypertensives in Thessaloniki, Greece
Paraskevi Papaioannidou, Maria Michailidou, Stamatia Michailidou
- P208 Evaluation of the effect of lemon juice on blood pressure in hypertensive patients
Zeynep Gunes Ozunal, Iliriana Alloqi Tahirbegolli, Yagiz Uresin
- P209 Drug exposure before and/or during pregnancy: Take-home messages from small data
Pınar Yamantürk Çelik, Iliriana Alloqi Tahirbegolli, Betül Sayın, Zeynep Güneş Özünal
- P210 Evaluation of potential drug-drug interaction among the end stage renal failure patient of Cerrahpaşa Medical Faculty Nephrology Transplant Unit
İkbal Sonmez, Andleeb Shahzadi, Cagla Karakulak, Selma Alagoz, Nurhan Seyahi, Ahmet Gokhan Akkan
- P211 A comparative study on efficacy of polymyxin B, neomycin and polymyxin B, neomycin, hydrocortisone in the treatment of otitis externa
Mayuri Gupta

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NOTES





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