

POSTER DISTRIBUTION

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MONDAY, 19 JULY 2010

13:00 - 14:00

POSTER HALL

Focused Conf. FC01

CLINICAL PHARMACOLOGY IN THE EMERGING COUNTRIES

- Mon 001 Patterns of influenza infection in Sylhet division of Bangladesh
Salim Ahmed, (Bangladesh), ATMA Jalil, SS Ahmed, MM Siddika
- Mon 002 Comparative study of initial and aquired drug resistance in pulmonary tuberculosis
Seyed Yousef Agha Alaie, (Iran), SD Mansoori, S Khazali, AA Hashtroodi, S
- Mon 003 Adverse events of benznidazole in children with Chagas disease - a cohort study
Jaime Altcheh, (Canada), G Moscatelli, S Moroni, F Garcia-Bournissen, H Freilij
- Mon 004 Antioxidant activity of phenolic extracts of Tunisian plants and their effect on mitochondrial respiration in vitro
S Bacha, H Ferchichi, I Salouage, L Ouanes, M Boussaïd, Anis Klouz, (Tunisia)
- Mon 005 Efficacy and safety of add-on mirtazapine in depression
Dinesh K Badyal, (India), P Matreja, R Deswal
- Mon 006 Glutathione S-transferase M1 and Glutathione S-transferase T1 polymorphisms and lung cancer risk in Tunisian men
Majda-Noura Belkhiria, (Tunisia), MA Jebali, I Harrabi, J Knani
- Mon 007 Piroxicam provides adequate analgesia after impacted lower third molar removal regardless of the surgeon's experience
Adriana Calvo, (Brazil), T Dionísio, F Giglio, P Gonçalves, C Santos
- Mon 008 Investigation of the relationship between plasma L-carnitine concentration and its antioxidant activity after single oral administration of L-carnitine in healthy volunteers
Yu Cao, (PR China), Z-W Han, HJ Qu, C-B Wang
- Mon 009 Oral pharmacokinetics of three fluoroquinolones in Mexicans: evidence for interethnic differences
Miriam Carrasco-Portugal, (Mexico), G Lozoya-Moreno, S Patiño-Camacho, F
- Mon 010 Patient's access to antiretroviral medicines: how do they view themselves?
DM Carvalho, (Brazil), MH Magalhães, AMR Felix, ECA Costa, WA Souza, Marcia HMC Podestá
- Mon 011 Inequivalence of doxorubicin liposomal formulations commercialized in Latin America
Gilberto Castañeda-Hernández, (Mexico), L Villafaña-Godínez, MA Valdés, L González-Flores
- Mon 012 *In vitro* antiplasmodial activity of 8-hydroxyquinoline derivatives
Chien-Teng Chen, (South Africa), R van Zyl
- Mon 013 Association of the ABCB1 3435C>T polymorphism and adverse events of cilostazole in healthy subjects
Sung Kweon Cho, (South Korea), LA Lim, SB Jang, YJ Lee, DH Lee, JY Chung, K Park
- Mon 014 Pharmapoly, game as a teaching strategy in pharmacology classes
Luis Cifuentes, (Colombia)
- Mon 015 Summary of PK and PD in a practical way
Luis Cifuentes, (Colombia),
- Mon 016 Pharmacokinetics of florfenicol (water soluble formulation) in health and Pasteurella infected broiler chickens
Hesham Elzorba, (Egypt), H El-Banna
- Mon 017 Antibiotic activity against urinary pathogens in hospitalized medical patients in eastern Nigeria
Oguamanam Enwere, (Nigeria), K Duruewuru, V Okwara,
- Mon 018 Can steady state plasma concentration of efavirenz predict virologic outcomes in treatment naïve HIV Ethiopian patients?
Abiy H Eyakem, (Ethiopia), W Amogne, G Yimer, E Makonnen, G Aderaye, L Lindquist, L Bertilsson, J Burhenne, E Aklillu

MONDAY, 19 JULY 2010

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CLINICAL PHARMACOLOGY IN THE EMERGING COUNTRIES

Mon 019

Population pharmacokinetics of oseltamivir carboxylate in Mexican patients with influenza A(H1N1)

Francisco Flores-Murrieta, (Mexico), M Barranco-Garduño, M Carrasco-Portugal, H León-Molina, A Cervantes-Nevárez

Mon 020

Analysis of n-acetyltransferase 2 phenotype and genotype in a Tunisian population

E Gaïes, Anis Klouz, (Tunisia), I Salouage, S Trabelsi, I Hamza, M Aouichri, M Lakhal

Mon 021

Tunisian clinical pharmacology experience

E Gaïes, R Sahnoun, D Bensaid, N Jebabli, I Salouage, I Hamza, M Aouichri, Anis Klouz, (Tunisia), M Lakhal

Mon 022

Estimation of transfer of nifurtimox, for Chagas disease, into breastmilk.

Population pharmacokinetics and simulation analysis

Facundo Garcia-Bournissen, (Canada), J Altcheh, A Panchaud, S Ito

Mon 023

Evaluation of the effect of an extract of *Mangifera indica* L. in patients with spinocerebellar ataxia type 2

Mariela Guevara-García, (Cuba), L Velázquez, R Aguilera, R Rodríguez, O Ramírez, JC Rodríguez

Mon 024

Cost analysis of antibacterial drugs in a developing country, India

Devi D Gupta, (India), M Gupta

Mon 025

Characterization of resistance to cytosine arabinoside (ARA-C) IN NALM-6 human B leukemia cells

Masaaki Ishikawa, (Japan), S-I Kanno

Mon 026

Potential drug-drug interactions of lopinavir/ritonavir in antiretroviral prescriptions with prescribed daily doses not according to the recommended antiretroviral doses in South Africa

Norah Lucky Katende-Kyenda, (South Africa), M Lubbe, J Serfontein, I Truter

Mon 027

Complete overhaul of the authorization and single-central ethical committee approval procedure of clinical trials in Hungary

Peter Kovacs, (Hungary), A Vas

Mon 028

Effect of mastitis on disposition kinetics of levofloxacin following single dose i.v. administration in goats

Birendra Kumar, (India), M Ram, V Singh, R Prasad, K Singh

Mon 029

A phase I clinical study of CKD-732 in combination with capecitabine and oxaliplatin in patients with metastatic colorectal cancer

Yoon Jung Lee, (South Korea), S Shin, HC Chung, K Park

Mon 030

Latin America a successful emerging market for clinical research

Federico Lerner, (Argentina)

Mon 031

Effect on the expression of CYP450 enzyme in rat liver induced by total panax notoginsenoside and the potential drug-drug interaction study

Xiao-yu Li, (PR China), G-L Liu, J-C Zhou, G Qian, B Sun, J-W Gao

Mon 032

Pharmacokinetic study of recombinant humanized anti-VEGF monoclonal antibody (Bevacizumab) in Chinese subjects with advanced malignancies

Yang Li, (PR China), X Hu, G Cheng, YL Nie, YB Zhao, KX Li, C Qi

Mon 033

Pharmacokinetics and pharmacodynamics of pegylated interferon- α 2a in healthy male volunteers

Lay Ahyoung Lim, (South Korea), H Son, S Jang, Y Lee, JY Chung

Mon 034

Discovery of novel influenza neuraminidase inhibitors from natural products

Ailin Liu, (PR China), S Lee, Y Wang, G Du

Mon 035

Disruption of BBB in rat MCAO and a protective effect of anti-HMGB1 antibody

Keyue Liu, (Japan), J Zhang, HK Takahashi, Y Tomono, H Wake, A Otsuka, S Mori, M Nishibori

MONDAY, 19 JULY 2010

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POSTER HALL

Focused Conf. FC01

CLINICAL PHARMACOLOGY IN THE EMERGING COUNTRIES

Mon 036

Evaluation of the effect of increasing hydration to premedication treatments of chemotherapy with cisplatin in decreasing renal side effects of it in patients of Air force and Buali hospitals in Tehran from 2007 to 2009

Artin Mardirosian, (Iran), MH Lashkari, F Nejad Dadgar, H Molana, M Fotouhi

Mon 037

The attitude of medical students towards traditional medicine

Ortrun Meissner-Kirch, (South Africa), EN Kwizera

Mon 038

Safety and efficacy of granulocyte colony-stimulating factor (ior-LeukoCIM) in oncohematology patients. Phase IV

Ivis Cristina Mendoza Hernandez, (Cuba), E Garcia Lopez, M Wilford de Leon, A Menendez Veitia, JD Fernandez Aguila, M Robaina Garcia, P Piedra Sierra, G çurez Martinez, Yinet, Barrese-Pérez,

Mon 039

Clinical pharmacology service rationalized use of costly drug in academic hospital of a country in socio-economic transition

Dragan Milovanovic, (Republic of Serbia), S Jankovic, D Ruzic Zecevic

13:00 - 14:00

POSTER HALL

Focused Conf. FC02

TRANSMEMBRANE TRANSPORT: PERSPECTIVES FOR DISEASE AND DRUG DISCOVERY

Mon 040

Consequences of chronic postnatal stress on glutamatergic transporter and on behavioural test in the rat

Gabriela Acosta, (Argentina), MM Odeon, ML Orta, A Salatino

Mon 041

Cyclosporine A, but not tacrolimus, show relevant inhibition of OATP1B1 mediated transport of atorvastatin

Rune Amundsen, (Norway), H Christensen, B Zabihyan, A Åsberg

Mon 042

Uptake of folic acid and methyltetrafolate acid by rat and human blood-brain barrier endothelial cell lines

João R Araújo, (Portugal), P Goncalves, F Martel

Mon 043

Interactions between verapamil and digoxin in Langendorff - perfused rat hearts: the role of inhibition of P-glycoprotein in heart

M Aylin Arýcý, (Turkey), E Kilinc, O Demir, M Ates, A Yesilyurt

Mon 044

Impacts of EGFR-antisense and carbenoxolone on cancer cell lines

Masoud Asadi, (Iran), H Hamzeiy, J Barar, Y Omid, S Mohammadi

Mon 045

Rho kinase inhibitor Fasudil modifies the actin cytoskeleton of astrocytes up-regulating glutamate transport and anti-inflammatory mechanisms

Philip Beart, (Australia), C Lau, V Perreau, N Cheung, M Chen, L Bischof, R O'Shea

Mon 046

New naphthalene derivatives of citalopram discriminate between the primary and the allosteric binding sites at the human serotonin transporter

Klaus Bøgesø, (Denmark), P Bregnedal, K Juhl, H Zhong, O Wiborg

Mon 047

A fast and sensitive LC-MS/MS assay for quantification of nortriptyline and its active metabolites E- and Z-10-hydroxynortriptyline in human plasma

Gitte Bonke, (Denmark), BP Jensen

Mon 048

SLCO1B1 variants as pharmacogenetic predisposition for hepatotoxicity induced by HMGC_oA reductase inhibitors

Nada Božina, (Croatia), I Meræep, V Miroševic, T Božina, J Sertic

Mon 049

Pharmacokinetic interactions of cimetidine and pramipexole in relation to OCT2

Chang-Ik Choi, (South Korea), S-, Moon, J-W Bae, M-J Kim, C-G Jang

Mon 050

Pharmacogenetics of metformin

Mette Marie Hougaard Christensen, (Denmark), CB Andersen, P Damkier, HB Nielsen, K Brøsen

Mon 051

The role of p-glycoprotein in bacterial attachment to intestinal cells

Andrew Crowe, (Australia)

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POSTER HALL

Focused Conf. FC02

TRANSMEMBRANE TRANSPORT: PERSPECTIVES FOR DISEASE AND DRUG DISCOVERY

- Mon 052 Extracellular loops 2 and 4 of GLYT2 are required for N-arachidonyl-glycine inhibition of glycine transport
Amelia Edington, (Australia), R Ryan, R Vandenberg,
- Mon 053 The effect of loperamide and fentanyl on the distribution kinetics of verapamil in the lung and brain in Sprague Dawley rats
Iman El-Kiwari, (Saudi Arabia), MT van Patot, YL Zhang, U Christians, T Henthorn
- Mon 054 Cannabidiol inhibits BCRP and P-gp in human placental trophoblast cell lines BeWo and Jar
Valeria Feinshtein, (Israel), G Holcberg, Z Ben-Zvi
- Mon 055 Gene expression and comparative genomic hybridization profiles of 6-mercaptopurine- and 6-thioguanine-resistant human leukaemia cells
Alan Fotoohi, (Sweden), J Hashemi, A Moshfegh, C Larsson, F Albertioni
- Mon 056 Pharmacokinetic interaction between puerarin and edaravone and effect of borneol on the brain distribution kinetics of puerarin in rats
C Gao, X Li, T Li, L Wang, Ming Xue, (PR China)
- Mon 057 Influence of polyphenols in a colon tumoral cell line: effect on butyrate uptake and on proliferation, differentiation, viability and apoptosis
Pedro Gonçalves, (Portugal), JR Araújo, MJ Pinho, F Martel
- Mon 058 Characterization of LeuT, a bacterial member of the neurotransmitter:sodium symporter family, in an inward-facing conformation
Kamil Gotfryd, (Denmark), D Kruger, J Kniazeff, J Javitch, C Loland
- Mon 059 IL1 β -mediates time and concentration dependent induction of ABCC2 gene expression via p38 MAPK and Akt pathway in Sk-Hep1 cells
Sierk Haenisch, (Germany), S Lächelt, A Schmall, I Cascorbi
- Mon 060 Confounding factors in quantifying the concentration dependent P-glycoprotein mediated transport in *In vitro* cell permeation experiments
Aki T Heikkinen, (Finland), T Korjamo, V Lepikkö, J Mönkkönen
- Mon 061 Modulating the dopamine transporter expression through changes in the proteostasis environment
Freja Henriksen, (Denmark), I Ammendrup-Johnsen, U Gether
- Mon 062 Regulation of microglial immune function by store-operated calcium channels(SOCs)
Dae Keon Heo, (South Korea), MG Lee, JY Kim
- Mon 063 Toxicokinetics of the food-toxin IQ in human placental perfusion is not affected by ABCG2 or xenobiotic metabolism
Elina Immonen, (Finland), M Kummu, A Petsalo, T Pihlaja, K Vähäkangas
- Mon 064 Influence of P-glycoprotein polymorphism on nortriptyline-induced postural hypotension
Berit P Jensen, (New Zealand), R Vyas, G Bonke, RR Roberts, D Jardine
- Mon 065 Significant pharmacokinetic interaction between pitavastatin and clarithromycin in healthy subjects
Kyeong-Joo Jeon, (Republic Of South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Mon 066 Evaluation of the pharmacokinetic profile of ezetimibe in healthy Koreans with different SLCO1B1 genotype
Kyeong-Joo Jeon, (Republic Of South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Mon 067 Identification of kinases regulating monoamine transporter function by kinome-wide siRNA screening
Trine Nygaard Jørgensen, (Denmark), I Ammendrup-Johnsen, U Gether

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POSTER HALL

TRANSMEMBRANE TRANSPORT: PERSPECTIVES FOR DISEASE AND DRUG DISCOVERY

- Mon 068 Characterization of TMEM16 family and its functional implications in human pancreatic acinar cells
Jinsei Jung, (South Korea), JH Nam, JS Yoon, MG Lee
- Mon 069 Influence of MRP2 C-24T polymorphism on the disposition of orally administered ezetimibe in healthy subjects
Seul-Ki Keum, (South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Mon 070 Interactions of atazanavir (ATV) with solute carrier (SLC) transporters in Caco-2 cells, an *In vitro* model of human intestinal epithelium
O Kis, J Zastre, M Ramaswamy, Kevin Robillard, (Canada), R Bendayan
- Mon 071 Transport of cyclic nucleotides in human colonic epithelium
Karen Kleberg, (Denmark), GM Jensen, JG Meyer, S Knuhtsen, MB Hansen
- Mon 072 Tissue expression and function of organic anion transporting polypeptide 2B1 splice variants
Michael Knauer, (Canada), R Kim, R Tirona
- Mon 073 Application of fluorescence spectroscopy to study conformational dynamics of LeuT, a bacterial homologue of mammalian neurotransmitter transporters
Dinna B Krüger, (Denmark), J Kniazeff, L Shi, K Gotfryd, CC Billesbølle, JA Javitch, H Weinstein, U Gether
- Mon 074 Histamine transport into neonatal rat astrocytes: an experimental and computational study
Mojca Krzan, (Slovenia), K Perdan-Pirkmajer, J Mavri
- Mon 075 Acetylcholinesterase reactivators - *In vitro* prediction of passive drug transport through the blood-brain barrier
Kamil Kuca, (Czech Republic), J Zdarova-Karasova, P Stodulka, K Musilek, M Pohanka
- Mon 076 ABC transporters and heavy metals in BeWo human choriocarcinoma cells
Maria Kummu, (Finland), A Rautio, K Vähäkangas, P Myllynen
- Mon 077 Quantification, pharmacokinetics and brain distribution kinetics of thiencynonate and its optical isomers in rat
Y Liu, Y Xu, Ming Xue, (PR China), J Ruan, K Liu
- Mon 078 Structural elucidation of *In vivo* metabolites of phencynonate and its analogue thiencynonate in rats by liquid chromatography-tandem mass spectrometry
- Mon 079 ITH12233, a new multifunctional compound, reduces infarct volume after focal cerebral ischemia in mice
Silvia Lorrio, (Spain), P Negredo, MI Rodríguez-Franco, S Conde, MP Arce, JM Roda, MG López, AG García
- Mon 080 *In vitro* evaluation of drug interaction with P-glycoprotein and permeability of F-80002-RR in early stages of development
Maria Luisa Lucero, (Spain), A Gonzalo, I Soengas, M Rodriguez

13:00 - 14:00

Focused Conf. FC03

POSTER HALL

ION CHANNELS IN ANALGESIA & ANAESTHESIA

- Mon 081 Rocuronium interferes with cytochrome P450 *in vitro*
Pavel Anzenbacher, (Czech Republic), E Anzenbacherova, A Tunkova, M Adamus
- Mon 082 Potentiating effect of diltiazem on pentobarbital hypnosis may be related to the 5-HT_{1A} and 5-HT_{2A/2C} receptors: the DRN, TMN and VLPO as key elements in the pathway
Su-Ying Cui, (PR China), Y-H Zhang, X Zhao, X-Q Zhang
- Mon 083 Effects of ketamine on nociception, learning and memory in rats
Damianka Getova, (Bulgaria), N Doncheva

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POSTER HALL

Focused Conf.

FC03

ION CHANNELS IN ANALGESIA & ANAESTHESIA

- Mon 084 N-methyl-D-aspartate channel blocking properties of dual reuptake inhibitors
Peter Heusler, (France), A Tourette, C Cathala, D Cussac
- Mon 085 The effect of tramadol on concentration of noradrenaline in the locus coeruleus of rats during the formalin test
Akram Jamshidzadeh, (Iran), MA Mobasher, J Sajedianfard
- Mon 086 Time course of changes in TRPV1 channel function in rat urinary bladder following streptozotocin induced diabetes
Teeraporn Katisart, (UK), M Parsons, C Benham,
- Mon 087 Features of Meloxicam antinociceptive potential under experimental equivalent of Parkinson's disease on a background of Amantadine therapy
Olga Makarenko, (Ukraine)
- Mon 088 The effects of gabapentin on norepinephrine, serotonin and their metabolites in Raphe magnus in formalin test by the method of microdialysis in male rats
Mohammad M Namvaran, (Iran), A Jamshidzadeh, J Sajedianfard, MA Mobasher
- Mon 089 The GTP-cyclohydrolase deficient mouse shows reduced acute pain perception
Arafat Nasser, (Denmark), OJ Bjerrum, A-M Heedaard, LB Møller

Workshop

W12

EXPERIMENTAL PAIN METHODS IN DEVELOPMENT AND VALIDATION OF ANALGESICS

- Mon 090 The pharmacogenomics of escitalopram in the treatment of neuropathic pain
Charlotte Brasch-Andersen, (Denmark), MU Møller, SH Sindrup, K Brøsen, M Otto
- Mon 091 Single dose of tramadol on neurotransmitter systems in target and non-target areas of rat brain without nociception
Pandanaboina Chetan, (USA), S Rajbanshi, R Wudayagiri
- Mon 092 Comparison of the PD/PK of Rotundine crystal form A and C in mice
Lida Du, (PR China), X Li, J Ying, X Bai, S Yang, G Wang, Y Lu
- Mon 093 Neurotropin relieves the oxaliplatin-induced peripheral neuropathy by inhibiting neurodegeneration
Nobuaki Egashira, (Japan), T Kawashiri, H Watanabe, Y Ikegami, T Yano, R Oishi
- Mon 094 Characterization of the antinociceptive and anti-inflammatory activities of nicotinamide and its isomers in different experimental models
Wallace Ferreira, (Brazil), A Godin, L Rocha, R Vieira, E Nascimento, M Coelho
- Mon 095 Characterization of the antinociceptive and anti-inflammatory activities of nicotinic acid and its isomers in different experimental models
Wallace Ferreira, (Brazil), A Godin, L Rocha, R Vieira, E Nascimento, M Coelho
- Mon 096 Botulinum toxin type A reduces migraine symptoms in rats: bilateral allodynia and dural extravasation after infraorbital nerve constriction injury
B Filipovic, I Matak, L Bach-Rojecky, Zdravko Lackovic, (Croatia)
- Mon 097 Evaluation of the effects induced by nicorandil and its immediate precursor in the models of formaldehyde-induced nociceptive response and carrageenan-induced edema in mice
Adriana Godin, (Brazil), W Ferreira, F Oliveira, L Rocha, R Vieira, J Seniuk, A de Fátima, M Coelho

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Workshop

W12

EXPERIMENTAL PAIN METHODS IN DEVELOPMENT AND VALIDATION OF ANALGESICS

- Mon 098 Lack of correlation between plasma asymmetric dimethylarginine (ADMA) levels and pain-related behaviors in neuropathic rats
E Hafizoglu, (Turkey), Ahmet Ulugol
- Mon 099 Evidence for CGRP uptake in rat dura mater encephali: Relevance to migraine
Inger Jansen-Olesen, (Denmark), D Amrutkar, A Mataji, H Salmasi, M Sheykhzade, J Olesen, S Gupta
- Mon 100 Effects of Diclofenac on the repolarization in dog ventricular muscle
Norbert Jost, (Hungary), A Kristof, I Koncz, T Szell, P Biliczki, A Varro, L Virag
- Mon 101 Inhibitory effects of dopamine on spinal reflex potentials of rat
K Kawamoto, Ken-ichi Otsuguro, (Japan), S Ito
- Mon 102 Local anaesthetic infused at the incision site for post-operative pain management following abdominal surgery
Sumithra Krishnan, (Australia), R Morris, P Hewett, A Karatassas, J Tonkin
- Mon 103 Investigation of antinociceptive activity of mirtazepine and its mechanism
Fatma Sultan K yl c, (Turkey), AE Doan, K Erol
- Mon 104 Does pheny-N-tert-butylnitron (ROS scavenger) has the antinociceptive effect through spinal mechanism in formalin rat?
Won Hyung Lee, (South Korea), YK Ko
- Mon 105 Antinociceptive effects of biphalin and its analog AM 94
Sheila Leone, (Italy), L Brunetti, G Orlando, A Mollica, L Recinella, A Chiavaroli, C Di Nisio, P Di Michele, R Shohreh, M Vacca
- Mon 106 Role of pituitary adenylate cyclase activating polypeptide in the nitroglycerin-induced migraine model of the mouse
Adrienn Markovics, (Hungary), K S ndor, E Sz ke, V Kormos, B Botz, B Gaszner, D Regl di, A Baba, J Tajti, J Szolcs nyi, Z Helyes
- Mon 107 The influence of intravenous promethazine on intravenous morphine for the treatment of acute severe pain: a randomised clinical trial
Nasir Mohamad, (Malaysia), AH Saim, NH Abu Bakar, KA Baharuddin, R Ismail
- Mon 108 Antinociceptive effect of Endomorphin 1 administered using polybutylcyanoacrylate nanoparticulate delivery systems
Ostin Mungiu, (Romania), D Geta, I Jaba, B Tamba, C Bohotin
- Mon 109 Systematic review and meta-analysis of tryptans in the acute treatment of cluster headache
Ricardo Pardo, (Spain), C Mustata, E Papaseit, M Farre
- Mon 110 Role of pituitary adenylate cyclase activating polypeptide in nocifensive behaviours, inflammatory and neuropathic hyperalgesia
Katalin S ndor, (Hungary), V Kormos, B Botz, A Imreh, K B lcskei, D Regl di, J Szolcs nyi, N Shintani, H Hashimoto, A Baba, Z Helyes
- Mon 111 Experimental research on the interactions of diethylamine with opioid and non-opioid analgesics
Ana Segarceanu, (Romania), I Ghita, O Coman, I Fulga
- Mon 112 SA14867 ((+)-3-acetyl-6-chloro-2-[2-(3-(N-(2-ethoxyethyl)-N-isopropylamino)propoxy)-5-me thoxyphenyl]benzothiazoline O,O'-diacetyl-L-tartrate), a newly synthesized κ -opioid agonist, shows anti-nociceptive and anti-pruritic effects
Fumio Tsuji, (Japan), Y Tsukahara, M Niwa, M Nakamura, M Sasano

MONDAY, 19 JULY 2010

13:00 - 14:00

Focused Conf. W12

POSTER HALL

EXPERIMENTAL PAIN METHODS IN DEVELOPMENT AND VALIDATION OF ANALGESICS

- Mon 113 Acetyl-L-Carnitine increases artemin level and prevents neurotrophic factor alterations in neuropathic pain state
Elisa Vivoli, (Italy), L Di Cesare Mannelli, A Salvicchi, A Bartolini, C Ghelardini
- Mon 114 Structure-activity relationship study of novel fentanyl analogues
S Vuckovic, Z Nestic, K Savic Vujovic, M Milovanovic, Milica Prostran-Veselinovic, (Republic of Serbia)
- Mon 115 Influence of bile acid derivates on morphine analgesic effect in mice
Sasa Vukmirovic, (Republic of Serbia), V Vasovic, D Lendak, M Mikov, M Vukmirovic Papuga

13:00 - 14:00

Focused Conf. FC04

POSTER HALL

PHARMACOEPIDEMIOLOGY, CURRENT CONTROVERSIES AND OPPORTUNITIES

- Mon 116 The effect of adverse drug reactions (adr) on drug prescriptions during acute hospital admissions
Paul Acheampong, (UK), M Doshi, C Doig
- Mon 117 Prescription patterns of controlled medicines in Istanbul
Ahmet Akici, (Turkey), D Demircan, I Topcu, H Yilmaz, B Donertas
- Mon 118 Drug use during pregnancy: a register-based nationwide cohort study of FDA's drug classification of fetal risks
Jon T Andersen, (Denmark), M Petersen, N Andersen, S Afzal, K Broedbaek, C Torp-Pedersen, H Poulsen
- Mon 119 Association between FDA drug classification of fetal risks and the risk of major congenital malformations: a register-based nationwide cohort study
Jon T Andersen, (Denmark), M Petersen, NL Andersen, S Afzal, K Broedbaek, C Torp-Pedersen, HE Poulsen
- Mon 120 Adherence to antihypertensive medications and all-cause mortality and cardiovascular events: a population-based study based on administrative data
Silvia Benemei, (Italy), S Saragoni, P Batacchi, P Geppetti, M Di Bari, S Buda, ED Esposti, LD Esposti,
- Mon 121 Consumption of drugs against ADHD in Denmark more than ten doubled in ten years
Bine Kjøller Bjerregaard, (Denmark)
- Mon 122 Statin treatment reduces mortality in severe infections – a systematic review and meta-analysis
Linda Björkhem-Bergman, (Sweden), P Bergman, J Andersson, J Lindh
- Mon 123 Off-label vs compassionate drug use: Level of evidence for applications
Encarnación Blanco, (Spain), A Muñoz, I Bellido, M Salazar, EI Márquez
- Mon 124 Gender difference in the impact of long-term psychoactive drug use on cognitive functioning: the VISAT cohort
O Boeuf-Cazou, B Bongue, D Ansiau, J-C Marquié, Maryse Lapeyre-Mestre, (France)
- Mon 125 Monitoring of adverse reaction by classical antipsychotics in older patient, Cuba 2003 - 2008
Ashley Lázaro Chao Cardeso, (Cuba), GJ López, IA Orta, JA Pérez, ID Mato
- Mon 126 Management of cardiovascular medication in surgical patients: indications in summary of product characteristics and substitution for intravenous forms
Liliana Castanheira, (Portugal), P Fresco, AF Macedo

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- Mon 127 Adherence to treatment: feasibility of a specific self-reported questionnaire to assess medication taking behaviour
Josip Culig, (Croatia), M Leppee, J Boskovic
- Mon 128 Emergence of H274Y mutation and oseltamivir resistance during treatment in two patients in the 2009 epidemics of swine flu in Argentina
Roberto Diez, (Argentina), ML Valinotto, P Barrero, M Viegas, MC Alvarez López, AS Mistchenko
- Mon 129 A community pharmacy multinational project to investigate the prescription drug abuse
Paola D'Incau, (Italy), M Lapeyre-Mestre, A Carvajal, U Bergman, ER Heerdink, D Macias, L Pourcel, A Conforti
- Mon 130 Gender differences of ADRs related to psychotropic drug use: a survey from France, Italy and Spain
Paola D'Incau, (Italy), M Lapeyre-Mestre, M Sáinz, M Donati, A Carvajal
- Mon 131 Aluminium phosphide poisoning - a retrospective study
Nandlal Disania, (India), L Sharma, S Janani, BM Gupta
- Mon 132 Management of acute myocardial infarction in France: results from inclusion of a national cohort
Cécile Droz-Perroteau, (France), C Dureau-Pournin, D Thomas, N Danchin, J Tricoire, F Paillard, P Ducimetière, S Hercberg, H Maïzi, E Guiard, M-A Bernard, P Blin, N Moore
- Mon 133 Analysis of pharmacotherapy for pregnant women in Primorye Region
Ekaterina Eliseeva, (Russian Federation), Y Feoktistova, L Lozinskaya
- Mon 134 Medical prognosis of perioperative prophylaxis efficiency in cholecystectomy
Ekaterina Eliseeva, (Russian Federation), V Shevtsov
- Mon 135 Clinical pharmacology outpatient clinic: outcomes and maternal characteristics associated with pregnancy exposure to FDA category X drugs
Viktorija Erdeljic, (Croatia), I Francetic, K Makar-Ausperger, R Likic, M Radacic-Aumiler, L Bielen
- Mon 136 Prescription of potentially inappropriate medications: comparison between internal medicine service and geriatric unit
Leslie Escobar, (Chile), P Jara, M Jirón, M Rain, G Martinez
- Mon 137 Mini-cases as a method to dynamize lectures of autonomic nervous system pharmacology in a medical school
Magi Farre, (Spain), J-E Baños
- Mon 138 Macro-study on-line of searching in internet for health and drug products: a social pharmacology approach
Juan Antonio Formigos, (Spain), M Palmero, JL Alloza,
- Mon 139 Quality of antibiotic prescribing in infant in ambulatory care
Kristina Garuoliene, (Lithuania), J Gulbinovic
- Mon 140 Administrative complexities for a European observational study
Sinem Ezgi Gulmez, (France), S Lignot-Maleyran, S Micon, F Hamoud, C De Vries, P Blin, N Moore
- Mon 141 SALOME: A pilot study to test causality assessment of drug-exposed acute liver failure cases using different scales
Sinem Ezgi Gulmez, (France), GP Pageaux, D Larrey, S Lignot-Maleyran, F Hamoud, R Lassalle, J Jové, F Bissoli, Y Horsmans, J Bernuau, B Stricker, D Thorburn, P Blin, N Moore, on behalf of SALT-I team

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Mon 142

Methods for improving compliance with medicine intake(MICMI): pilot project to evaluate the 'Personal Electronic Medicine profile'[PEM]

Philipp Harbig, (Denmark), I Barat, P Lund Nielsen, EM Damsgaard

Mon 143

Do vasodilating properties of amiodarone contribute to its antiarrhythmic action in clinical practice?

Apostolos Hatzitolios, (Greece), N Katsiki, G Ntaios, C Savopoulos, A Spiliopoulos, V Mirtsou-Fidani

Mon 144

The effect of co-administration of CYP1A2 and P-glycoprotein inducers or inhibitors on serum theophylline concentration

Milka Hauta-aho, (Finland), T Laurikainen, T Katiskalahti, T Tirkkonen, K Laine

Mon 145

Factors associated with short-term adherence to dietary and lifestyle guidelines in secondary prevention of acute myocardial infarction in real life practice in France

Cécile Droz-Perroteau, (France), S Hercberg, D Thomas, C Dureau-Pournin, P Ducimetière, J Tricoire, M-A Bernard, J Bénichou, N Danchin, L Guize, p Blin, N Moore

Mon 146

Influence of nurses' attitudes on adverse drug reaction reporting: a pilot study in Portugal

Maria T Herdeiro, (Portugal), S Pernas, O da Cruz e Silva, A Figueiras

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TRANSLATIONAL SCIENCE IN THE METABOLIC SYNDROME: BASIC AND CLINICAL PHARMACOLOGY

Mon 147

The blood glucose levels in healthy volunteers administered with repaglinide and genetic polymorphisms of CYP3A4 and CYP2C8

Ruzilawati Abu Bakar, (Malaysia), MS Ab Wahab, G Siew Hua

Mon 148

Microparticles from patients with metabolic syndrome induce vascular hypo-reactivity via Fas/Fas-Ligand pathway in mice

A Agouni, P-H Ducluzeau, T Benameur, M Sladkova, G Leftheriotis, Carmen Martinez, (France), R Andriantsitohaina

Mon 149

A lineal mathematical model based on HbA1c levels follow up may predict the years of evolution of type 2 diabetes mellitus starting from a single HbA1c level quantification

Inmaculada Bellido, (Spain), AE Santos, L García-Carrascal, JJ Sanchez-Luque, E-I Marquez, A Gomez-Luque

Mon 150

Toxicity of cytostatic agents to granulocyte-macrophage progenitors (CFU-GM) increased in Zucker obese rats

I Benkő, Krisztina Géresi, (Hungary), K Benkő, B Szabó, A Megyeri, B Peitl, Z Szilvássy

Mon 151

Angiotensin-(1-7) prevents diabetes-induced attenuation in PPAR- γ and catalase activities

Ibrahim Benter, (Kuwait), G Dhaunsi, M Yousif, S Akhtar, M Chappell

Mon 152

PKC β /HuR/VEGF a new pathway in diabetic retinopathy

Claudio Bucolo, (Italy), A Pascale, M Amadio, S Govoni, F Drago

Mon 153

Evaluation of guideline-conformity of initiation of oral hypoglycemic treatment for incident diabetes mellitus type 2 in Austria

Anna Bucsics, (Austria), M Asslaber, R Bauer, T Burkhardt, M Pogantsch, PR Wieninger, WC Winkelmayr

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- Mon 154 TNF α does not inhibit insulin-stimulated 2-deoxy-glucose uptake in in situ skeletal muscle, but does increase lipolysis and lower total glucose utilization
Christian Selmer Buhl, (Denmark), CN Petersen, N Jessen, O Schmitz, S Lund
- Mon 155 Alterations in aromatase enzyme levels of ovary, testis, uterus and vas deferens tissues of diabetic rats
Nihan Burul-Bozkurt, (Turkey), C Pekiner, P Kelicen,
- Mon 156 Central injection of CDP-Choline suppresses serum ghrelin levels while it increases serum leptin levels in rats
Sinan Cavun, (Turkey), S K  y  c  , NF Basaran, V Savci, S Imamoglu
- Mon 157 α -linolenic acid protects renal cells against palmitic acid lipotoxicity via reduction of endoplasmic reticulum stress
Prabal Chatterjee, (UK), E Katsoulieiris, J Mabley, M Samai, I Green
- Mon 158 Discovery of a novel dipeptidyl peptidase-IV inhibitor BPR1G462
Chiung-Tong Chen, (Taiwan), K-C Yeh, C-Y Huang, W-T Jiaang, C-B Hu, T Hsu, J-S Song, T-K Yeh, C-H Chien, S Chen, Y-S Chao
- Mon 159 A genetic variant in the gene encoding adrenomedullin predicts the development of dysglycaemia over 6.4 years in Chinese
Bernard MY Cheung, (PR China), AWK Tso, KL Ong, RYH Leung, SS Cherny, TH Lam, KSL Lam
- Mon 160 Pharmacogenetic study on metabolic syndrome induced by atypical antipsychotics and mood stabilizers
Eva Choong, (Switzerland), M Etter, B Oneda, H Tayebi, G Bondolfi
- Mon 161 Type 2 diabetes-associated non-synonymous mutations in the gene coding for the melatonin MT2 receptor impair melatonin signalling
Nathalie Clement, (France), A Bonnefond, K Fawcett, E Vaillant, J-L Guillaume, M Marre, G Charpentier, M Vaxillaire, I Barroso, R Jockers, P Froguel
- Mon 162 Results about the influence of Metformin on the concentrations of magnesium, zinc and cooper in NIDDM patients.
Monica Daniela Dosa, (Romania), LC Petcu, C Gales, M Nechifor
- Mon 163 Interaction between cicletanine and preconditioning in concious rabbits with insulin resistance
L  szl   Drimba, (Hungary), B Peitl, T Patonay, Z Szilv  ssy
- Mon 164 Tumor necrosis factor α inhibition by pentoxifylline protects from the impairment in vascular reactivity associated with insulin resistance
Hany El-Bassossy, (Egypt), M El-Moselhy, M Fouad,
- Mon 165 Protein kinase C inhibition protects from the impairment in vascular responsiveness associated with insulin deficiency but not insulin resistance
Hany El-Bassossy, (Egypt), A Fahmy, W Barakat, N Dsokey
- Mon 166 Effect of taurine, pyridoxine and α lipoic acid on cafeteria diet fed rats
Priya Ganpathy, (India), R Ghosh, S Pitre, V Kadam
- Mon 167 Carboplatin-induced toxicity increased to granulocyte-macrophage progenitors (CFU-GM) in Otsuka-Long-Evans-Tokushima Fatty (OLETF) rats
Krisztina G  resi, (Hungary), K Benk  , B Szab  , A Megyeri, B Peitl, I Benk  
- Mon 168 Effect of bis-1-4-dihydropyridine in kidneys of diabetic rats
Raquel G  mez-Pliego, (Mexico), R Villalobos-Molina, M Ibarra-Barajas, B Velasco-Bejarano, J G  mez-Zamudio

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- Mon 169 Effect of atorvastatin on pancreatic β -cell function and insulin resistance in type 2 diabetes mellitus patients
Aman Goyal, (India), S Singh, N Tandon, N Gupta, YK Gupta
- Mon 170 Does HGF/c-Met signalling exert its effects on vascular dysfunction by small GTPases in diabetic rats?
Mukaddes Gumustekin, (Turkey), A Arici, F Arslan, M Karaman, M Ates
- Mon 171 Transcriptome profiling reveals involvement of PKC ϵ in the development of insulin resistance in liver of HFD+STZ fed rats via Rho kinase pathway
Jeena Gupta, (India), K Tikoo
- Mon 172 The interaction of human urotensin II and vasodilator agents in human internal thoracic artery: clinical implications
Guo-Wei He, (PR China), X-Y Bai, X-C Liu, W-B Jing, Q Yang
- Mon 173 Fish oil affects clock gene and clock-controlled metabolism-related gene expression in the mouse liver
Akiko Hirao, (Japan), H Nagahama, M Itokawa, M Shimoda, Y Tahara
- Mon 174 Angiotensin II type 2 receptor activation modulates insulin receptor Signallingpathways in adult sensory neurons
Narumi Hobara, (Japan), N Hashikawa, Y Zamami, H Kawasaki, C Yutani
- Mon 175 Early indications for clinical efficacy of diabetes drugs in development in phase 1 studies: how?
Marcus Hompesch, (USA), L Morrow
- Mon 176 Modification of perivascular adipose tissue (PVAT) by diabetes mellitus
Enrique Hong, (Mexico), O Echeverría
- Mon 177 Anti-obesity and anti-diabetic effects of acacia polyphenol
Nobutomo Ikarashi, (Japan), T Toda, T Okaniwa, K Ito, W Ochiai
- Mon 178 Effects of polyphenolic compounds on glutathione level and endothelial NO production in hypercholesterolemic rats
Akira Ishihata, (Japan), Y Igarashi, Y Shimizu, Y Kobayashi, A Yamada, T Hosoda, Y Katano
- Mon 179 Dysfunction of presynaptic regulation of norepinephrine release from adrenergic nerves of caudal artery in type 2 diabetic Goto-Kakizaki rats
Reiko Ishii-Nozawa, (Japan), M Mita, M Shoji, K Takeuchi
- Mon 180 Basic fibroblast growth factor upregulates hypoxia inducible factor 1 α and glucose transporter 1 in adipose cells
Yoshitaka Kihira, (Japan), S Tomita, Y Ikeda, K Ishizawa, K Tsuchiya, T Tamaki
- Mon 181 Antiplatelet action of statins in diabetic rabbits: interaction with leptin
Ivan Kocic, (Poland), B Racek-Król, I Rusiecka, I Pawlowska, R Wasilewski
- Mon 182 Differences in the pharmacokinetics of Cyp3a substrates in TSOD mice and streptozotocin-induced diabetic mice
T Kudo, T Toda, T Ushiki, K Ohi, N Ikarashi, Kiyoshi Sugiyama (Japan)
- Mon 183 Suppression of NF- κ B Signallingpathway by epigallocatechin gallate can prevent diabetes associated cognitive deficits
Anurag Kuhad, (India), M Bishnoi, V Tiwari, K Chopra
- Mon 184 Cardiovascular dysfunction and the role of COX-2 in two rat models of diabetes
Joanne YT Leung, (Canada), SL Lim, CCY Pang,
- Mon 185 Effect of bicyclol on high fat diet (HFD)-induced fatty liver in rats
Yan Li, (PR China), H Yu, H Chen

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Leptin induces hypertrophy via activating PPAR α pathway in cultured neonatal rat cardiomyocytes

Jian-Dong Luo, (PR China), N Hou, M-S Chen

Mon 187

Association of VKORC1 -1639 G>A polymorphism with intima-media thickness of common carotid artery in subjects with type 2 diabetes mellitus
Vangelis G Manolopoulos, (Greece), I Petridis, G Ragia, M Vassileiadis, I Heliopoulos, A Tavridou

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FC06

THE HEART GONE WRONG; STABILIZATION OF CARDIAC FUNCTION

Mon 188

Effect of vitamin E on renal ischemic preconditioning in male and female rats

Nahid Abotaleb, (Iran), S Aryamanesh, SM Ebrahimi, M Nobakht

Mon 189

Modulatory effects of zinc supplementation on cardiovascular complications in streptozotocin-induced diabetes in rats

Nouf MI AL-Rasheed, (Saudi Arabia), NMI AL-Rasheed, HA Attia, LM Faddah

Mon 190

Cardioprotective mechanism of telmisartan through the PPAR- γ pathway against isoproterenol-induced myocardial infarction in experimental diabetes

Dharamvir S Arya, (India), S Goyal

Mon 191

Mechanical and structural characteristics of carotid plaques: analysis by multi-array echotracking system and MRI.

Hélène Beaussier, (France), O Naggara, D Calvet, R Joannides, B Laloux, E Guegan-Massardier, E Gerardin, I Masson, C Oppenheim, P Boutouyrie, S Laurent

Mon 192

Rational drug correction of the systemic inflammatory response syndrome in patients with congestive heart failure

Tamar Bochorishvili, (Georgia), MA Rogava, ET Tsiwtsiwadze

Mon 193

Relevance of free MPA monitoring in early period following heart transplantation

Roselyne Boulieu, (France), X Cussonneau, M Larger, O Bastien

Mon 194

Prostacyclin IP receptor activation, transforming growth factor Signalling and cardiac fibrosis in hyperlipidemic mice

Elsa Chan, (Australia), G Dusting, N Guo, H Peshavariya, R Dilley, F Jiang

Mon 195

Effect of pre-ischaemic conditioning on anoxic dopamine efflux in the mouse caudate.

Nikky Kanti Chauhan, (UK), AMJ Young, CL Gibson, C Davidson

Mon 196

Cardioprotective effects of exogenous and endogenous hydrocortisone in the rabbit model of ischemia-reperfusion

Ali Davarian, (Iran), V Khori, O Shirinbeik Mohajer

Mon 197

Engagement of imidazoline receptors in effects of imidazoline drugs on isolated rat heart atria

Justyna Dlugokecka, (Poland), A Radwanska, R Kaliszan, A Nasal

Mon 198

Effects of ultra-low doses of peroral antibodies to angiotensin II receptor in non-invasive and invasive rat models of heart failure

Julia Dugina, (Russian Federation), IA Kheyfets, SA Sergeeva, OI Epstein

Mon 199

Effect of atorvastatin addition to cardioplegic solution on myocardial protection in isolated rat heart

Deniz Kaleli Durman, (Turkey), M Agirgol, M Kucur, F Basinoglu, O Ozdemir

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- Mon 200 Disproportionally impaired microvascular structure in patients with very mild essential hypertension
Ashkan Eftekhari, (Denmark), ON Mathiassen, NH Buus, O Gotzsche, MJ Mulvany
- Mon 201 Effect of grapefruit juice on dronedarone pharmacokinetics in healthy subjects
Christine Gaud, (France), A Brunet, E Sultan, J Galleyrand, T Duvauchelle
- Mon 202 Effects of dronedarone on the pharmacokinetics and pharmacodynamics of warfarin in healthy subjects
Christine Gaud, (France), J-P Duret, A Brunet, E Sultan, R Ebrahimi
- Mon 203 Effects of dronedarone on the pharmacokinetics of digoxin in healthy subjects
Christine Gaud, (France), F Hurbin, A Brunet, E Sultan, J Galleyrand
- Mon 204 Pharmacokinetic and pharmacodynamic interaction of dronedarone and verapamil in healthy subjects
Christine Gaud, (France), S Doroumian, A Brunet, E Sultan, J Galleyrand
- Mon 205 Pharmacokinetics and tolerability of dronedarone in patients with moderate hepatic impairment
Christine Gaud, (France), A Brunet, E Sultan, J Galleyrand, K Lasseter
- Mon 206 The oxidative stress predicts a higher coronary risk
Jose Antonio González Correa, (Spain), M Carnero, J Muñoz-Marin, F Reguillo, M Ramajo, S Redondo, JP De la Cruz, T Tejerina,
- Mon 207 Ambulatory control of arterial pressure in patients with isolated systolic hypertension and associated ischemic heart disease
Jose Ernesto Groning, (Cuba), R Garcia, D Garcia-Barreto, A Hernandez-Cañero²
- Mon 208 Potentiation of uterus-relaxing effects of nifedipine with β -adrenergic agonists: studies on rats and human myometrium
Judit Hajagos-Tóth, (Hungary), Z Kormányos, G Falkay, R Gáspár
- Mon 209 Ginsenoside Rg-1 and salvianolic acid B mediated autophagy and apoptosis in nutrient starvation cardiac myocytes
Xiao Han, (PR China), J-X Liu, X-Z Li
- Mon 210 The role of voltage-dependent anion channel in ischemia/reperfusion injury mediated by chloride
Ming He, (PR China), Z Liao, L Tang, D Yin, F Zou
- Mon 211 The effects of cannabidiol and the CB1 antagonist AM251 on the depressor responses to ACEA in vivo
Claire Hepburn, (UK), O Keown, S Watt, I Megson, S Leslie, C Wainwright
- Mon 212 Continuous infusion of a tiny dose of corticosterone improves ageing and hypertension related heart function impairment and reduces cardiac fibrosis
JJ Rob Hermans, (The Netherlands), M Minnaard-Huiban, IPE Beugels, H van Essen, JJ Debets, JFM Smits
- Mon 213 Effects of calcitonin gene-related peptide(CGRP) on the underperfusion with norepinephrine injuries in diabetic rat hearts
Makie Higuchi, (Japan), T Akamine
- Mon 214 Targeting antioxidants to sites of oxidative stress using dual action drugs
Nitya Jani, (Australia), J Ziogas, C Schiesser, C Wright
- Mon 215 Fetal de novo cholesterol synthesis is required for neuroectodermal survival and cardiovascular differentiation in early mouse embryos
Heli Jokela, (Finland), P Rantakari, T Lamminen, L Strauss, R Ola, H Gylling, T Miettinen, P Pakarinen, K Sainio, M Poutanen

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- Mon 216 Phapmacotherapy of patients with ischemic heart disease and left ventricle dysfunction targeting to restore inotropic action and bionergetic reserve of myocardium
Ketevan T Kapanadze, (Georgia), GV Sukoyan, MA Rogava
- Mon 217 Strategies to induce cardiac electrophysiological properties in C2C12 skeletal myoblasts
X Koenig, E Zebedin-Brandl, M Mille, M Schnuerch, M Koley, R Cervenka, P Lukacs, H Todt, Karlheinz Hilber (Austria)
- Mon 218 Disrupted ion channel function in dystrophic cardiomyocytes
Xaver Koenig, (Austria), M Mille, S Kimbacher, R Cervenka, P Lukacs, RE Bittner, K Hilber
- Mon 219 Cardiotrophin-1 is upregulated, but left ventricular function is not affected after acute daunorubicin treatment in the spontaneously hypertensive rats
Peter Krenek, (Slovak Republic), K Turcekova, H Cernecka, L Mesarosova, M Snopkova, P Musil, J Kyselovic, J Klimas
- Mon 220 DPP IV deficiency preserves cardiac function of endotoxemic rats via GLP signaling
Hui Chun Ku, (Taiwan), MJ Su
- Mon 221 Fast aorta reModelling following the administration and withdrawal of calcium antagonists in spontaneously hypertensive rats
Jan Kyselovic, (Slovak Republic), V Vaja, P Krenek, J Klimas, P Ochodnický

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FC07 - SIMULATION AND DATA MODELLING IN DRUG DEVELOPMENT. BETTER DRUGS FASTER?

- Mon 222 Protective effect of aqueous saffron extract (*Crocus sativus* L.) on carbon tetrachloride-induced hepatotoxicity in rats
Amir Ashna, (Iran), H Najafzadeh
- Mon 223 Modelling outcomes of antibiotic therapy by discrete event simulation (DES) or multi-agent-based simulation (MABS) of nosocomial pneumonia
Mario Eandi, (Italy), P De Luca, L Pradelli, S Iannazzo
- Mon 224 Molecular dynamics simulations of serotonin and S-citalopram in serotonin transporter
Mari Gabrielsen, (Norway), AW Ravna, K Kristiansen, I Sylte
- Mon 225 A new dimeric linear dipeptide mimetic of NGF active on animal models of Parkinson's disease
Tatiana Gudasheva, (Russian Federation), P Povarnina, T Antipova, S Seredenin
- Mon 226 The use of truncated area under the curve as a measure of relative extent in bioequivalence studies
Seong Bok Jang, (South Korea), YJ Lee, LA Lim, K Park
- Mon 227 PK/PD model for pegylated, long-acting human growth hormone in adults with growth hormone deficiency
Thomas Klitgaard, (Denmark), J Madsen, BS Hansen, MH Rasmussen
- Mon 228 Mechanistic Modelling of antigen-sink effect for therapeutic monoclonal antibodies: a case study
YY Lau, L Roskos, M Liang, H Lu, M Zusmanovich, Bing Wang, (USA)

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Mon 229

Modelling and literature analysis to evaluate the pharmacokinetics of new fast release Ibuprofen based on a comparison of studies performed in India and Europe

John C Lukas, (Spain), M Rodriguez, A Knapp, P Kraahs

Mon 230

Preparation of artificial receptors for clozapine and study of their binding properties

Seyed Ahmad Mohajeri, (Iran), G Karimi, M Rajabnia

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FC08

DEVELOPMENTS IN THE TREATMENT OF SEXUAL DYSFUNCTION AND DISEASES OF THE LOWER URINARY TRACT

Mon 231

Finasteride and Prazosin mixed therapy in patient with benign prostatic hyperplasia

Seyed Yousef Agha Alaie, (Iran), SS Kashaf, B Najafian, P Musavi

Mon 232

Rho-kinase inhibition impacts neurogenic detrusor overactivity in chronic spinalized rats

Delphine Behr-Roussel, (France), D Broquères-You, S Oger, S Compagnie, A Caisey, E Chartier-Kastler, F Giuliano

Mon 233

Rho-kinase inhibition relaxes detrusor from neurogenic patients

Delphine Behr-Roussel, (France), S Oger, D Gorny, J Bernabé, E Chartier-Kastler, F Giuliano

Mon 234

Prevention of urinary tract infections in Norwegian nursing homes

Jenny Bergman, (Norway), H Salvesen Blix, J Schjøtt

Mon 235

Innervated myofibroblasts in the urinary bladder? Functional and ultrastructural evidence

Elizabeth Burcher, (Australia), P Sadananda, S Sandow

Mon 236

Comparison of central nervous system penetration of antimuscarinic drugs for overactive bladder

Bimal Malhotra, (USA), E Callegari, R Webster, K Fenner, J LaPerle

Mon 237

Role of rasayan herbs on reproductive parameters of male rats

Nagendra Chauhan, (India), VK Dixit

Mon 238

Fractionation of saw palmetto extracts and bioassay fractions in isolated rat prostate

Thiam Chua, (Australia), J Simpson, S Ventura

Mon 239

Vascular insulin resistance in penile arteries from a rat model of metabolic syndrome

Cristina Contreras, (Spain), A Sánchez, B Climent, A García-Sacristán, S Bedito

Mon 240

Role of CX43 in the maintenance of spontaneous activity in the guinea pig prostate

Anupa Dey, (Australia), S Kusljic, RJ Lang, B Exintaris

Mon 241

Developments in the treatment of sexual dysfunction and diseases of the lower urinary tract

Saintmoses Eromosele, (Nigeria), V Eruanga, PA Francis

Mon 242

Pacemaker cells and contractility in the prostate gland

Betty Exintaris, (Australia), A Dey, S Kusljic, M Lam, D-T Nguyen

Mon 243

Hydrogen sulfide promotes function of T-type calcium channels and secretion of prostatic acid phosphatase in neuroendocrine-like prostate cancer cells from the androgen-sensitive LNCaP cell line

Kazuki Fukami, (Japan), R Kasamatsu, S Yoshida, F Sekiguchi, A Kawabata

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- Mon 244 Effects of duloxetine on bladder and external urethral sphincter in anesthetized female guinea-pigs with intravesical acetic acid
Véronique Guilloteau, (France), S Palea, M Guerard, T Westfall, P Lluel
- Mon 245 On pharmaco-toxicological approaches to vesical dysfunction
Ulrich Härlin, (Germany), E Neu, A Hofstetter, G Staehler, S Magour, W Seidenbusch, MC Michailov, D Hüting, U Welscher, J Foltinova
- Mon 246 To investigate the effects of 5-HT and electrical field stimulation (EFS) in the bladder of *Suncus murinus*
Farideh A Javid, (UK)
- Mon 247 Effects of potassium channel openers on parameters of ureteral function – an *In vivo* animal study
Carsten Krahtz, (Germany), AJ Becker, ME Mayer, MA Kuczyk, CG Stief
- Mon 248 The effect of imatinib mesylate on spontaneous activity in the guinea-pig prostate
Michelle Lam, (Australia), A Dey, B Exintaris,
- Mon 249 Golgi activation of cdc2 kinase in paclitaxel-induced apoptosis in human androgen-independent prostate cancers
Pin Hsuan Lu, (Taiwan), JH Guh
- Mon 250 Analysis of cellular Signalling for epidermal growth factor-mediated suppression of androgen-induced expression of prostate-specific antigen gene in human prostate cancer LNCaP cells
Yuma Maeda, (Japan), R Yamanaka, F Sekiguchi, A Kawabata
- Mon 251 Effects of fesoterodine 8 mg once daily on the pharmacokinetics and pharmacodynamics of a single supratherapeutic dose of warfarin in healthy subjects
Bimal Malhotra, (USA), G Duczynski, C Alvey, J Gong, X Li

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- Mon 252 Effect of chronic mild stress 'CMS' on CYP1A2 enzyme activity and inducibility in Wistar rats
Ahmed M-D Abdel-tawab, (Egypt), AM Hassan, AN-E Hassan
- Mon 253 Inhibitory effect of carbon monoxide-releasing molecule CORM-2 on TNF- α release from activated-RBL-2H3 cells
Masaaki Akagi, (Japan), Y Yasui, M Watanabe, A Maruyama, N Matsui, R Akagi
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- Mon 386 Bioequivalence study of two formulations of desmopressin nasal spray: a comparison between the novel KW-8008RTS to be stored at room temperature and the conventional KW-8008 to be stored in refrigeration
Hidetoshi Furuie, (Japan), M Yagi, T Yajima, N Sakoda, K Matsumoto, Y Amano, T Sakurai
- Mon 387 The effect of resveratrol on ileal smooth muscle: functional investigation in a rat sepsis model
N Gacar, SS Gocmez, G Gacar, IK Celikyurt, Oguz Mutlu, (Turkey), T Utkan
- Mon 388 A simple, novel method for assessing medication adherence: capsule photographs taken with cellular telephones
GP Galloway, JE Guillén, JR Coyle, K Flower, John Mendelson, (USA)
- Mon 389 Correlation of cytochrome P450 3A4*18 genetic polymorphisms with postoperative fentanyl requirements
Siew Hua Gan, (Malaysia), PCS Tan, SK Hassan, N Abdullah
- Mon 390 Potentially inappropriate medications in elderly attended at primary care
Jose Luis Garcia Fuentes, (Chile), M Jiron, I Ruiz, M Santibañez
- Mon 391 Oxaliplatin-induced neuropathy: glial activation in spinal cord and brain
Carla Ghelardini, (Italy), L Di Cesare Mannelli, L Bonaccini, A Pacini, A Bartolini
- Mon 392 A randomized clinical trial utilizing the drug burden index to reduce exposure to anticholinergic and sedative medications in older people
Danijela Gnjudic, (Australia), S Hilmer, D Le Couteur, D Abernethy

13:00 - 14:00

POSTER HALL

Workshop

W01

PHARMACOLOGY OF ADRENOCEPTORS: EIGHTH SATELLITE MEETING

- Mon 393 *In vivo* and *Ex vivo* receptor occupancy assays for the rat $\alpha_{2A/D}$ receptor
Sarah Able, (UK), R Fish, C Powell, S Katugampola
- Mon 394 Virtual screening using α_1 -adrenergic receptor pharmacophores identifies a novel structural framework for $\alpha_{1A/D}$ -adrenergic receptor selective ligands
Angela M Finch, (Australia), ES Stoddart, IJA MacDougall, R Griffith
- Mon 395 Ligand-directed signalling by β -adrenoceptor antagonists at the human β_1 - and β_3 -adrenoceptors
Dana Hutchinson, (Australia), M Sarwar, E Stancic, M Sato, B Evans

MONDAY, 19 JULY 2010

13:00 - 14:00

Workshop

W01

POSTER HALL

PHARMACOLOGY OF ADRENOCEPTORS: EIGHTH SATELLITE MEETING

Mon 396

The mechanism of the pressor effect of ephedrine and mephentermine, their interaction at uptake 1 and the role of nitric oxide

Joseph Simaan, (Lebanon)

Mon 397

What is the functional role of the hydrophobic domain in the N-terminal tail of the α_2C -adrenoceptor?

Staffan Uhlen, (Norway), JA Jahnsen

13:00 - 14:00

Workshop

W03

POSTER HALL

TARGETING TRP CHANNELS FOR PAIN RELIEF (AND MORE)

Mon 398

LASSBio-881: an n-acylhydrazone TRPV1 antagonist orally effective against capsaicin- and partial sciatic ligation-induced hypernociception

Marilia Guimaraes, (Brazil), J Tributino, M Santos, C Mesquita, C Lima, C Duarte, E Barreiro, C Fraga, N Castro, AL Miranda

Mon 399

Molecular mechanism of ETAR-operated Ca^{2+} entry via TRPC channels and visualization of homo- and heteromeric TRPC3/6 interaction in living cells using BiFC

Takahiro Horinouchi, (Japan), T Higa, H Aoyagi, H Asano, T Nishiya, S Miwa

Mon 400

Pharmacological resting state-fMRI study using THC

Linda E Klumpers, (The Netherlands), RP Soeter, N Khalili-Mahani, SARB Rombouts, MA van Buchem

Mon 401

Creating TRPV1 knock down mice by lentiviral transgenesis

Éva Szőke, (Hungary), DM Tóth, K Kvell, B Bender, Z Bősze, J Szolcsányi

Mon 402

SA13353, a transient receptor potential vanilloid 1 agonist, attenuates leukocyte infiltration in LPS-induced acute lung injury and ovalbumin-induced allergic airway inflammation

Fumio Tsuji, (Japan), M Murai, K Oki, H Inoue, M Sasano

13:00 - 14:00

Workshop

W04

POSTER HALL

ANTIOXIDANTS AS THERAPEUTIC TARGETS

Mon 403

Effect of β -glucans on photodynamic therapy of Lewis lung carcinoma

Dalia Akramiene, (Denmark), C Aleksandraviciene, K Suziedelis, U Simonsen, E Stankevicius

Mon 404

Hydrogen sulphide generation in porcine tissues

Stephen Alexander, (UK), M Doe, M Garle,

Mon 405

Aggravation by selective serotonin re-uptake inhibitor of antral ulcers induced by indomethacin in rats: pathogenic importance of impaired anti-oxidative system

Kikuko Amagase, (Japan), A Kojo, C Izuhara, K Nukui, A Tanaka

Mon 406

Nucleic acid oxidation is predominantly determined by non-genetic factors in elderly Danish twins

Kasper Brødbæk, (Denmark), R Ribel-Madsen, T Henriksen, A Weimann, M Petersen, S Afzal, B Hjeltvang, A Vaag, P Poulsen, HE Poulsen,

Mon 407

Melatonin modulates oxidative stress and prevents cell death in human leukocytes. Effect of intracellular calcium overload and age

Javier Espino, (Spain), I Bejarano, SD Paredes, D González, RJ Reiter, AB Rodríguez

Mon 408

Involvement of EGFR/AKT / Cyclin D1 / CDK4 Signalling pathway in inhibiting UVA-induced apoptosis of HaCaT cells by polypeptide from *Chlamys farreri*

Zhiwu Han, (PR China), L Zhu, J Tong, P Li, L Yan

MONDAY, 19 JULY 2010

13:00 - 14:00

Workshop

W04

POSTER HALL

ANTIOXIDANTS AS THERAPEUTIC TARGETS

Mon 409

The effect of captopril on the activity of selenoenzymes thioredoxin reductase and glutathione peroxidase, redox homeostasis and trace element level in rat liver

Anna Hodková, (Czech Republic), D Kotyzová, V Eybl,

Mon 410

Drugs with known pharmacological profiles, such as monensin, disulfiram and salinomycin, show cancer-selective inhibition of prostate cancer cell growth by increasing oxidative stress

Kirsi Ketola, (Finland), P Vainio, P Halonen, P Kohonen, V Fey, M Perälä, O Kallioniemi, K Iljin

Mon 411

Role of Na⁺-K⁺ ATP-ase in the nitric oxide independent relaxation in pig urinary bladder neck

Ana Martínez-Saénz, (Spain), LM Orensanz, P Recio, S Bustamante, S Benedito, D Prieto, M Hernández

Mon 412

Ozone attenuates imipramine-induced anti-immobility effects in the rat, while imipramine protects against ozone-induced oxidative damage in the rat hippocampus

Mmalebuso Mokoena, (South Africa), CB Brink, BH Harvey, DW Oliver

Mon 413

Upregulation of endogenous antioxidant and phase 2 enzymes by dietary supplementation of scopoletin, a plant derived coumarin, in rat liver: possible role in protection against chronic diseases with an underlying oxidative stress

Sudhakar Raja Subramaniam, (UK), EM Ellis

Mon 414

Protective effect of L-carnitine against H₂O₂-induced neurotoxicity in neuroblastoma (SH-SY5Y) cells

Chunbo Wang, (PR China), Z Han, L Zhu, J Yu, J Ye

Mon 415

Translational and transcriptional control of Sp1 against ischemia via a hydrogen peroxide-activated IRES pathway

Shiu-Hwa Yeh, (Taiwan), L-C Ou, P-W Gean, W-P Yang, C-Y Hsu, T-P Su, W-C Chang, J-J Hung

Mon 416

Noradrenaline attenuates hydrogen peroxide-induced cell death of astrocyte through the increase in the level of intracellular glutathione

Yasuhiro Yoshioka, (Japan), H Kadoi, A Yamamuro, A Kasai, A Maeda

13:00 - 14:00

Workshop

W19

POSTER HALL

INFLUENCE OF DEGENERATION AND REPAIR IN THE CNS AND PERIPHERY

Mon 417

The study of ABCB1 polymorphisms in Romanian epileptic patients

Ioana Corina Bocsan, (Romania), AD Buzoianu, FC Militaru, R Popp, A Trifa, E Brusturean

Mon 418

The effect of chemical absence model on the progression of kindling in wistar rats

Nihan Carcak, (Turkey), M Sahiner, E Sakally, K Tezcan, R Gülhan

Mon 419

Calcium antagonistic effects of some antimigraine drugs in rat isolated basilar artery

Edip Guvenc Cekic, (Turkey), M Tuncer

Mon 420

Comparison of GABA-A *In vivo* occupancy in rat brain and spinal cord

Rebecca Fish, (UK), S Able, C Powell, L Booth

Mon 421

Pinocembrin prevents glutamate-induced apoptosis in SH-SY5Y neuronal cells via decrease of bax/bcl-2 ratio

Mei Gao, (PR China), W-C Zhang, J-J Hu, G-H Du

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POSTER HALL

- Workshop **W19** **INFLUENCE OF DEGENERATION AND REPAIR IN THE CNS AND PERIPHERY**
- Mon 422 Neuroprotective effect of dimebon in rats with intracerebral post-traumatic hematoma (hemorrhagic stroke)
TL Garibova, TA Voronina, SA Litvinova, VV Grigoriev, SO Bachurin, Tatiana S Kalinina, (Russian Federation)
- Mon 423 P53 in amyloid- β peptide-induced apoptosis in cerebral endothelial cell
Ming-Jen Hsu, (Taiwan), Y-F Chuang, P-T Chiu, C-Y Wang, J-R Sheu
- Mon 424 Paraquat activates Nrf2-ARE pathway: implication of decrease in proteasome activity in dopamine-mediated cytotoxicity
Yasuhiko Izumi, (Japan), S Matsushima, N Yamamoto, T Kume, H Sawada
- Mon 425 The effect of KYP-2047, a prolyl oligopeptidase inhibitor, on extracellular neurotensin- and substance P-like-immunoreactivity in the rat brain
Aaro Jalkanen, (Finland), K Savolainen, M Forsberg
- Mon 426 Nephroprotective activity of the low-esterified pectins
Maxim Khotimchenko, (Russian Federation), A Kropotov, Y Khotimchenko,
- Mon 427 Association study of single nucleotide polymorphisms in the COMT gene and Korean autism spectrum disorders
Soon Ae Kim, (South Korea), HJ Yoo, IH Cho, M Park
- Mon 428 Genome-wide association scan of Korean autism spectrum disorders with language delay
Soon Ae Kim, (South Korea), SY Yang
- Mon 429 Neuroprotective effect of mildronate, a mitochondria-targeted drug, in Parkinson's disease model in rats
Vija Klusa, (Latvia), J Pupure, S Isajevs, D Svirina, U Beitnere, J Rumaks, S Svirskis, R Vilskersts, I Kalvinsh
- Mon 430 Acute Allopregnanolone administration may exacerbate, rather than attenuate, striatal damage during ischaemia in vitro
Steve Knight, (UK), C Davidson, A Young, C Gibson
- Mon 431 Study of time dependence of afobazol and mexidol protective activity in intracerebral posttraumatic hematoma model
Valentina Krayneva, (Russian Federation), A Fedorenko, S Seredenin,
- Mon 432 Neuroprotective effect of serofendic acid on *In vitro* and *In vivoneuronal* injury
Toshiaki Kume, (Japan), Y Izumi, A Akaike
- Mon 433 Quercetin protects cortical neurovascular unit against amyloid β 25-35 peptide-induced amnesia in mice
Rui Liu, (PR China), GF Qiang, Y Jian, X Lan, HG Yang
- Mon 434 Efficacy of Panax notoginseng saponins on patients with intracerebral hemorrhage
Yumin Luo, (PR China), Q Liu, J Song, P Liu, L Gao
- Mon 435 Dopamine inhibits NO production by LPS-activated microglia through the formation of quinoprotein
Sadaaki Maeda, (Japan), A Tozawa, T Kitamoto, A Yamamuro, A Kasai
- Mon 436 The seizures and status epilepticus in emergency department of pediatrics. The clinical and pharmacological implications of some benzodiazepines
Ioan Magyar, (Romania)
- Mon 437 Ventral tegmental area NMDA receptors play a role in the effect of scopolamine on inhibitory avoidance memory in rats
Gelavizh Mahmoudi, (Iran), M-R Zarrindast, A Pourmotabbed,

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Focused Conf. W19

POSTER HALL

INFLUENCE OF DEGENERATION AND REPAIR IN THE CNS AND PERIPHERY

- Mon 438 Distribution of the *CYP2C9*2*, *CYP2C9*3* gene variants in a Romanian epileptic patients group
Florentina Claudia Militaru, (Romania), A Buzoianu, C Bocsan, A Trifa, R Popp, E Brusturean
- Mon 439 Angiotensin II type 1 (AT1) receptor blocker, telmisartan, protects brain damage induced by ischemia and amyloid- β injection partly due to PPAR- γ activation
Masaki Mogi, (Japan), J Iwanami, K Tsukuda, M Horiuchi
- Mon 440 Noradrenaline protects neurons against hydrogen peroxide toxicity by increasing the release of glutathione from astrocytes
Toshiki Motegi, (Japan), Y Yoshioka, A Yamamuro, A Kasai, S Maeda
- Mon 441 Functional analysis of Transferrin receptor-1 expressed in brain
Yukary Nakamura, (Japan), T Takarada, Y Yoneda
- Mon 442 Pentacycloundecane conjugates of aminoguanidine and tryptamine: nitric oxide synthase inhibition
Douglas W Oliver, (South Africa), SF Malan, DK Wilkes, A de Vries
- Mon 443 Modulation of cognition and neuronal function in the age-accelerated mouse (SAMP8) by pterostilbene and resveratrol
Merce Pallas, (Spain), J Chang, K Bryan, J Reeves, MA Smith, A Rimando, B Shukitt-Hale, J Joseph, G Casadesus
- Mon 444 Prolyl oligopeptidase is not located in the long projection neurons of the rat brain
Iida Peltonen, (Finland), TT Myöhänen, PT Männistö
- Mon 445 L-3-n-butylphthalide suppressed Lipopolysaccharide-induced inflammation through Nrf2 dependent pathway
Ying Peng, (PR China), Y Hu, L Lu, S Xu, L Wang
- Mon 446 Silvergold-cyankali methods for stained glial cells
Bojana Petrovic, (Republic of Serbia), Z Zoric, D Drekić
- Mon 447 Spontaneous and amphetamine -induced locomotor activity in A30P -transgenic mice
Marjo Piltonen, (Finland), S Patrikainen, PT Männistö
- Mon 448 Elderly patients with migraine: an open-label study on prophylaxis therapy with Levetiracetam
V Pizza, V Busillo, A Agresta, A Bisogno, Anna Capasso, (Italy)
- Mon 449 Factor XIII Val 34 Leu polymorphism in migraine and cardiovascular disease
V Pizza, F Infante, G Schiavo, E Lamaida, C Colucci d'Amato, Anna Capasso, (Italy)
- Mon 450 MEK1/2 inhibition improves neurological outcome and abolishes cerebrovascular ETB and 5-HT1B receptor upregulation after subarachnoid hemorrhage in the rat
Gro Klitgaard Povlsen, (Denmark), C Larsen, M Rasmussen, L Edvinsson
- Mon 451 Incidence of severe hyponatremia drug-induced and other causes in a tertiary care hospital
Elena Ramirez, (Spain), AM Borobia, SL Lei, R Muñoz, A Campos, AJ Carcas, J Frias
- Mon 452 Interaction of phenytoin with melatonin and α -lipoic acid in experimental seizures in rats
KH Reeta, (India), J Mehla, YK Gupta

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POSTER HALL

- Workshop **W19** **INFLUENCE OF DEGENERATION AND REPAIR IN THE CNS AND PERIPHERY**
- Mon 453 Disruptive effects of systemically administered angiotensin II on cerebral perfusion and learning in the rat
Michael Rowan, (Ireland), W Cullen, B Ryan
- Mon 454 The protective effect of low dose of SNP on L-DOPA induced apoptosis
Mousa Sahebgharani, (Iran), Z Sepehrizadeh, M Talebi, Saboori, J Esmaeili
- Mon 455 Changes in hippocampal connexin 36 mRNA and protein levels during acquisition of seizures in the kindling model of epileptogenesis
Mohammad Sayyah, (Iran), S Beheshti, S Majzoob Zanjani, M Golkar, H Sepehri, B Vaziri
- Mon 456 Lateral somatosensory cortex in spontaneous and PTZ-induced spike-wave discharges of the rat evaluated by ethosuximide
Fu-Zen Shaw, (Taiwan), K-H Yeh
- Mon 457 ER stress is involved in hyperphosphorylated tau-induced cytotoxicity
Yuxian Shen, (PR China), L Feng, A Sun, Y Shen, S Fang
- Mon 458 Hrd1 expression is associated with neuronal survival and tau degradation in Alzheimer's disease
Yuxian Shen, (PR China), L Feng, A Sun, Q Li, H Hou, H Fang, S Fang
- Mon 459 Contribution of CYP3A5 isozyme to the *In vivo* metabolism of cortisol to 6 β -hydroxycortisol in humans
Hiroshi Shibasaki-Hirano, (Japan), S Okamoto, T Furuta
- Mon 460 The effect of anti-Parkinsonian drugs on oxidative stress induced pathological [3H]dopamine efflux after *In vitro* rotenone exposure in rat striatal slices
Beata Sperlagh, (Hungary), E Milusheva, M Baranyi, Z Hracsko, S Vizi
- Mon 461 Activation of JNK signal by NO in cochlear spiral ligament fibrocytes following intense noise exposure
Hajime Tanaka, (Japan), R Nagashima, T Yamaguchi, A Matsushita, K Ogita
- Mon 462 Effects of mexidol and hemantane in animal models of parkinsonism
Elena Valdman, (Russian Federation), L Nerobkova, I Kapitsa, T Voronina, O Popova
- Mon 463 Anti-Parkinsonian effects of MDMA in the rat: contributions of 5-HT1A-receptors and serotonin transporters and role of chirality
Andreas von Ameln-Mayerhofer, (Germany), M Hüpkens, C Riegel, S Seeger-Armbruster, NY Lettfuss
- Mon 464 Reconstruction of the nigrostriatal projections in dissociated primary cultures: a role of striatal cells in dopaminergic neurite outgrowth
Seiko Wakita, (Japan), Y Izumi, T Kume, H Sawada, A Akaike
- Mon 465 Microenvironment improving effect of octacosanol in 6-hydroxydopamine-induced parkinsonian models in rats
Tao Wang, (China), P Zuo, P Chan
- Mon 466 Development of 2-(1-Hydroxypentyl)-benzoate, a pro-drug for treatment of cerebral ischemia and dementia
Xiaoliang Wang, (PR China), J Li, S Xu, N Feng, L Wang, Y Peng
- Mon 467 Protective effect of rolipram on memory impairments in rats injected with amyloid-(25~C35)
Jiangping Xu, (PR China), C Wang, Y Cheng, H Zhang
- Mon 468 Polypeptide from *Chlamys farreri* protect neuroblastoma (SH-SY5Y) cells from oxidative stress by endoplasmic reticulum stress and JNK activation
Junli Ye, (PR China), X Liu, J Yu, J Tong, C Wang

MONDAY, 19 JULY 2010

13:00 - 14:00

POSTER HALL

- Workshop **W19** **INFLUENCE OF DEGENERATION AND REPAIR IN THE CNS AND PERIPHERY**
- Mon 469 Glycosaminoglycans mimetics regulation of lysosomal disturbances and tau hyperphosphorylation induced by oxidative stress
Ganlin Zhang, (PR China), S Lehri, XX Zhu, MB Huynh, L Sissoeff, X Liu, R Raisman, C Morin, P Li, D Papy-Garcia
- Mon 470 Preliminary studies on the relationship between STUB1 and the key pathological proteins in AD animal model SAMP8
Gui-Rong Zhang, (PR China), X-R Cheng, W-X Zhou, Y-X Zhang, D-L Gao, X-P Jiang, L-Y Nie, Y Ji, S-P Zhou

13:00 - 14:00

POSTER HALL

- Workshop **W20** **PHARMACOLOGY EDUCATION FOR A SUSTAINABLE FUTURE**
- Mon 471 The use of e-learning improved the pharmacology learning in chiropracist's pharmacology training
Inmaculada Bellido, (Spain), E-I Marquez, JA Garcia-Arnes, E Blanco, A Gomez-Luque
- Mon 472 Self-assessment with Moodle from activities proposed by students.
Juan Formigós, (Spain), MM Palmero, V Maneu, NC García-Cabanes
- Mon 473 Favorable student attitudes towards hospital training in pharmacology in nursing degree
Cristina García-Cabanes, (Spain), V Maneu, MM Palmero, J Formigós
- Mon 474 Short term impacts of rational pharmacotherapy course on the rational prescribing skills of fourth-year medical students
Nil Hocaoglu, (Turkey), H Guven, S Gidener, Y Tuncok, S Kalkan, A Gelal
- Mon 475 Pharmacotherapeutics skills training design: a case study of Medical Faculty - Andalus University
Laila Isrona, (Indonesia)
- Mon 476 Six years' experience of using an interactive voting device in teaching basic pharmacology to students of pharmacy and medicine
Ewen MacDonald, (Finland)
- Mon 477 Building themes together: student's involvement in pharmacology subjects
Victoria Maneu, (Spain), J Formigós, MC García-Cabanes, MM Palmero
- Mon 478 Developing rational prescribing competence in medical school: The relation between student perceptions and examination performance
Shirra Moch, (South Africa), D Naidoo, L Green-Thompson,
- Mon 479 Pharmacology in UNO-agenda 21
Eva Neu, (Germany), U Welscher, B Schubert, MC Michailov, M Holler, W Seidenbusch, G Weber, I Ivanova, V Foltin, U Härlin, Y Zebuhr
- Mon 480 Interactive 3D encyclopedia for the teaching of pharmacology to medical students
Evelyn P Obando, (Colombia), MP Usta, T Escobar, R Escobar, J Estupiñan
- Mon 481 Problem-based-learning in pharmacology subjects: pros and some cons
Mercedes Palmero, (Spain), MC García-Cabanes, J Formigós, V Maneu

TUESDAY, 20 JULY 2010

13:00 - 14:00

POSTER HALL

Focused Conf. FC01 CLINICAL PHARMACOLOGY IN THE EMERGING COUNTRIES

- Tue 001 Amitriptyline in the management of distal sensory neuropathy in South African patients with HIV
Shirra Moch, (South Africa), N Dinat, P Kamerman, E Marinda, N Hatta
- Tue 002 The antimalarial properties of metronidazole thiosemicarbazone analogues
Emma Moseley, (South Africa), R van Zyl, M Abid, I Havlik, A Azam
- Tue 003 The chemotherapeutic action of synthetic dyes against Plasmodium falciparum
Harold Motau, (South Africa), R Van Zyl, L Harmse
- Tue 004 Clinical toxicities of first-line antiretroviral therapy in a resource limited setting
Tinashe Mudzviti, (Zimbabwe), C Maponga, S Khoza, Q Ma, D Tagwireyi
- Tue 005 Genetic variations in ABCB1 and CYP3A5 as well as sex influence quinine disposition among Ugandans
Jackson K Mukonzo, (Uganda), P Waako, J Ogwal-Okeng, L Gustafsson, E Aklillu
- Tue 006 Determination of trimetazidine in human plasma for assessing bioequivalence study
Suthatip Ngokpol, (Thailand)
- Tue 007 Development and validation of a sensitive liquid chromatography/tandem mass spectrometry (LC-MS/MS) method for quantification of olanzapine in human plasma
Suthatip Ngokpol, (Thailand), P Pongnarin, A Kongsiang, J Jantaka, U Panich, S Kongpatanakul
- Tue 008 Quality of life of colorectal cancer patients in post-surgery recovery period after being supplemented with Agaricus Sylvaticus fungus: a randomized, double-blind, placebo-controlled clinical study
Maria Rita Novaes, (Brazil), R Fortes
- Tue 009 Influence of rifampicin on nevirapine level in HIV patient with TB
Agus W Nugroho, (Indonesia), Nafrialdi, A Simatupang
- Tue 010 Adverse reactions to medicines experienced in a Nigerian hypertension clinic
Abimbola Olowofela, (Nigeria), AO Isah
- Tue 011 Artemether may affect the analgesic activity of piroxicam in malaria
Temidayo Ohurishe, (Nigeria), S Ado, I Adamu
- Tue 012 Excretion of the antiparasitic moxidectin into the breast milk of lactating non-breastfeeding women
Virginia Parks, (France), J Korth-Bradley, S Chalon, I Gourley, K Matschke, P Bryson, S Gossart
- Tue 013 Teaching clinical pharmacology and pharmaceutical medicine in Serbia: postgraduate studies
Milica Prostran-Veselinovic, (Republic of Serbia), Z Todorovic, R Stojanovic,
- Tue 014 Effect of Citrullus colocynthis on serum glucose, lipidemic profile and c-peptide changes in patients with type II diabetes mellitus
Alireza Rahbar, (Iran), I Nabipoor
- Tue 015 Treatment of sheep by hypertonic dextrose after experimental salinomycin poisoning
Hamid Rajaian, (Iran), S Nazifi, R Hosseini, A Hajmohammadi, J Jalaei
- Tue 016 Anti-inflammatory effect of an extract of Mangifera indica L. (Vimang®) in patients with chronic dermatitis
Lorena Safonts, (Cuba), M Guevara, T Pérez, C Morales
- Tue 017 Enzymatic analysis of the venom of Hemiscorpius lepturus, an Iranian scorpion
Ramin Seyedian, (Iran), K Euikyung, A Zare
- Tue 018 Evaluation of bioequivalency/bioavailability trials in our clinic
Zafer Sezer, (Turkey), A Inal, N Küçük, Ö Soydan, A Erenmemisoglu

TUESDAY, 20 JULY 2010**13:00 - 14:00****POSTER HALL**

- Focused Conf. **FC01** **CLINICAL PHARMACOLOGY IN THE EMERGING COUNTRIES**
- Tue 019 Gatifloxacin induced hypoglycemia in Type 2 DM patient with UTI.-A case report
K Sharma, Lokendra K Sharma, (India), K Sharma
- Tue 020 Cost effective drug distribution system in Rajasthan (India)
Lokendra K Sharma, (India), K Sharma, M Mathur, J Chaudhary, R Mandia
- Tue 021 Lypodystrophy due to antiretrovirals. Case presentation from resource-poor health care country
Abraham Simatupang, (Indonesia), F Suling
- Tue 022 Combined treatment with sertindole and clozapine - reports of cases of patients with drug-resistant schizophrenia
Bozena Spila, (Poland), A Grzywa-Celińska, A Urbańska
- Tue 023 Development and validation of bioanalytical method of amlodipine besylate in human plasma
Ganesh P Subedi, (Nepal), GM Khan
- Tue 024 Drugs with both anxiolytic and psychostimulating action: new opportunities for anxiety disorders treatment
Sergey Syunyakov, (Russian Federation), D Chumakov, E Teleshova, G Neznamov
- Tue 025 Environmental risk factors and occurrence of gastritis and colitis in a mestizo population of Chabeklumil, state of Chiapas, México
Diana C Tapia-Pancardo, (Mexico), R Jesus-Sandoval, L Aburto-Cortes, M Angeles-Gamiño, XE Nolasco-Velazquez, R Villalobos-Molina
- Tue 026 Clinical pharmacology for undergraduate medical students in Serbia
Zoran Todorovic, (Republic of Serbia), M Prostran
- Tue 027 Developing a model checklist for the evaluation of the dispensing scores in the pharmacy
HZ Toklu, GA Dulger, Bulent Gumsel, (Turkey), E Yaris, NI Klayoncu, A Akici
- Tue 028 The bidirectional regulation of vitamin D3 on calcification in human joints and ligaments
Xinglong Tong, (PR China), Y Xu, Y Xu
- Tue 029 Prescription audit as an important tool in the analysis of the prescriptions for the children
Canan Uluoglu, (Turkey), Z Güney, T Ercanlı
- Tue 030 The impact of a 'Groningen Model' of pharmacotherapy training for general practitioners in Kayseri, Turkey
Hasan Basri Ulusoy, (Turkey), T Sumak, S Pahin, H Gültekin
- Tue 031 Evaluation of the rational pharmacotherapy clerkship at Erciyes University Faculty of Medicine, Kayseri, Turkey
Hasan Basri Ulusoy, (Turkey), T Sumak, E Eroglu, H Gultekin
- Tue 032 New times, new trends for ethionamide
Nuno Vale, (Portugal), HA Santos, E Mäkilä, J Salonen, J Hirvonen
- Tue 033 Effect of CTOL on the Proliferation of AF by BrdU
Chunxia Wang, (PR China), L Hou
- Tue 034 Analysis on quality control of drug clinical trials
Shaohua Wang, (PR China)
- Tue 035 Study on protection effect of erythropoietin on newborn rats with hypoxic-ischemic brain damage
Yunxiao Wang, (PR China), Yunxiao L, Wenjie C, Yu M, Yan
- Tue 036 Differences in efficacy among FOLFOX for advanced gastric cancer involve 14-3-3 δ
Bo Yi, (PR China), QY Li, OP Huang, D Liu, D Yin

TUESDAY, 20 JULY 2010

13:00 - 14:00

POSTER HALL

Focused Conf.

FC02

TRANSMEMBRANE TRANSPORT: PERSPECTIVES FOR DISEASE AND DRUG DISCOVERY

- Tue 037 Ivermectin activates Cys-loop ligand-gated chloride channels by interacting with the third transmembrane domain
Timothy Lynagh, (Australia), T Webb, J Lynch
- Tue 038 A role of α_2 isoform of the Na,K-pump in mesenteric small arteries wall
Vladimir Matchkov, (Denmark), NM Nielsen, C Aalkjær,
- Tue 039 Expression and function of the organic cation transporter 3 (OCT3) in the human placenta
Karen May, (Germany), V Rozehnal, M Grube, M Zygmunt, HK Kroemer
- Tue 040 Effect of the P-glycoprotein on the intestinal absorption of herbal products associated with antiretrovirals in mice
Joe Miantezila Basilua, (France), G Mamadou, N Limas Nzouzi, G Peytavin, B Eto
- Tue 041 Impact of OATP1B1, OATP1B3 and ABCC2 on the hepatic uptake and pharmacokinetics of the MRI-contrast agent Gd-EOB-DTPA in healthy volunteers
A Nassif, S Oswald, J-P Kühn, C Modess, N Hosten, Werner Siegmund (Germany)
- Tue 042 Mitochondrial sodium/calcium exchanger as a new target to develop neuroprotective drugs
Santos Nicolau, (Spain), J Egea, M López, A García
- Tue 043 Influence of ABCB1 C3435T polymorphism on the pharmacokinetics of ezetimibe and its glucuronide in healthy subjects
Da-Hee Oh, (Republic Of South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Tue 044 The role of OATP1B1 genetic variants in the disposition of pitavastatin in healthy Koreans
Da-Hee Oh, (Republic Of South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Tue 045 Influence of efavirenz on the disposition and lipid-lowering effects of ezetimibe in healthy subjects
Stefan Oswald, (Germany), H Meyer zu Schwabedissen, A Nassif, C Modess, D Lütjohann, H Kroemer, W Siegmund
- Tue 046 SLC26 transporters are regulated via the [Cl⁻]-sensitive Ste20p kinases
Hyun Woo Park, (South Korea), JH Nam, MG Lee
- Tue 047 Modification of equilibrative nucleoside transporter 1 (ENT1) function by sulfhydryl reagents involves cysteine residues in transmembrane regions 6 and 7
Jamie Park, (Canada), J Hammond
- Tue 048 The expression of organic cation transporter mRNA in cultured adult and neonatal rat astrocytes and their possible functional role
Katja Perdan-Pirkmajer, (Slovenia), S Pirkmajer, Z Grubiè, M Krzan
- Tue 049 Influence of rifampicin on pulmonary expression of ABCB1 and ABCC2 and on distribution of clarithromycin into epithelial lining fluid and broncho-alveolar cells of foals
Jette Peters, (Germany), J Freyer, W Block, S Oswald, M Venner
- Tue 050 Effect of viral infection on hepatic and placental drug transporters and endogenous substrates in pregnant rats
Vanja Petrovic, (Canada), M Piquette-Miller
- Tue 051 Block of the IKr current by the HMG-CoA reductase inhibitor rosuvastatin is modulated by BCRP, MDR1 and OATP2B1 membrane drug-transporter activities
I Plante, M Frappier, F Belanger, Jacques Turgeon (Canada)

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Focused Conf. FC02

TRANSMEMBRANE TRANSPORT: PERSPECTIVES FOR DISEASE AND DRUG DISCOVERY

- Tue 052 A liposomal formulation of Azithromycin for treatment of cutaneous leishmania
Omid Rajabi, (Iran), P Layegh, M khoddami, R Salari
- Tue 053 Small-molecule drug design targeting PICK1 using a C-terminal dopamine transporter peptide
Mette Rathje, (Denmark), MV Andersen, SE Andersen, PO Heidarsson, S Erlendsson, FM Poulsen, K Strømgaard, U Gether
- Tue 054 The organic solute transporter OST α -OST β - a potential determinant of drug absorption
Ute Schwarz, (Canada), H Meyer zu Schwabedissen, B Urquhart, R Tirona, R Kim
- Tue 055 TRPC3 mediates thrombin-induced astrocyte activation and upregulates its own expression in rat cortical astrocytes
H Shirakawa, T Nakagawa, Shuji Kaneko, (Japan)
- Tue 056 Transport characteristics of caffeine in human intestinal Caco-2 cell monolayer
Libuse Smetanova, (Czech Republic), V Stetinova, D Kholova, J Kvetina, J Smetana
- Tue 057 MDR1 gene C3435T polymorphism is associated with the risk of threatened pregnancy interruption
E Sokova, I Ignatiev, A Prilutsky, Dmitry A Sychev, (Russian Federation), V Kukes
- Tue 058 Relaxatory effect of magnesium on mesenteric vascular beds differs from normal and streptozotocin induced diabetic rats
Nepton Soltani, (Iran), F Kharazmi, M Keshavarz
- Tue 059 Discovery of a monoamine transporter inhibitor via high throughput molecular model docking and pharmacophore modeling
Christopher Surratt, (USA), M Indarte, Y Liu, J Madura
- Tue 060 Na⁺/Ca²⁺ exchanger is involved in nitric oxide-mediated apoptosis in cultured astrocytes
Kazuhiro Takuma, (Japan), T Kitao, T Kawasaki, Y Inoue, A Ikehara, Y Ago, T Matsuda
- Tue 061 Evidence for a key contribution of TMEM16A protein to the calcium-activated chloride current in rat pulmonary artery smooth muscle cells
Paolo Tammaro, (UK), B Manoury, A Tamuleviciute
- Tue 062 Grapefruit juice markedly reduces the plasma concentrations of the OATP2B1 substrate aliskiren
Tuija Tapaninen, (Finland), PJ Neuvonen, M Niemi
- Tue 063 Drug transporters in human mammary epithelial cells
Lisa Bee-Gek Tee, (Australia), TF Sim, D Williams, A Crowe, K Ilett
- Tue 064 Pharmacokinetic analysis of irinotecan in Oatp1b2 knockout mice
Wendy Teft, (Canada), S Mansell, S Welch, R Kim
- Tue 065 Molecular determinants for selective recognition of antidepressants in the human serotonin and norepinephrine transporters
Mette Thomsen, (Denmark), L Sørensen, J Andersen, K Strømgaard, AK Kristensen
- Tue 066 Effect of garlic, ginkgo and St. John's wort on the pharmacokinetics of fexofenadine in rats
Jasmina Turkanovic, (Australia), MB Ward, RW Milne
- Tue 067 Highly sensitive and rapid assessment of P-glycoprotein activity in Caco-2 cells
Hirkazu Wakuda, (Japan), Y Tada, N Nejime, S Kagota, K Nakamura, S Yamada, K Shinozuka

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- Focused Conf. FC02 **TRANSMEMBRANE TRANSPORT: PERSPECTIVES FOR DISEASE AND DRUG DISCOVERY**
- Tue 068 Activation of M3 muscarinic acetylcholine receptors and α 1-adrenoceptors induces AQP5 trafficking in rat parotid acinar cells
Di Wang, (Japan), G Cho, M Shono, Y Ishikawa
- Tue 069 Interaction between troxerutin and bovine serum albumin
L Wang, X Li, Y Li, Y Chen, Y Fan, Ming Xue (PR China)
- Tue 070 Structural elucidation of the metabolites of tanshinone I and its analogue dihydrotanshinone I in rats by HPLC-ESI-MSn
M Wang, H Dai, X Li, Y Li, L Wang, Ming Xue (PR China)
- Tue 071 Electrophysiological properties of YM-244769, a novel and potent $\text{Na}^+/\text{Ca}^{2+}$ exchange inhibitor, in cardiac ventricular myocytes of guinea pig
Yasuhide Watanabe, (Japan), J Kimura, K Yamashita, T Yamakawa, T Iwamoto
- Tue 072 Stimulation of noradrenalin transporter and serotonin transporter activity by soy phytoestrogen genistein
Nobuyuki Yanagihara, (Japan), Y Toyohira, S Ueno, M Tsutsui, K Takahashi
- Tue 073 UDCA-induced HNF-1 γ inhibition and pharmacokinetic changes of pitavastatin in relation to OATP1B1 transport activity
So-Jung Youn, (South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Tue 074 *In vivo* study of penetration of acetylcholinesterase reactivators through blood-brain barrier
Jana Zdarova Karasova, (Czech Republic), K Kuca, M Pohanka, L Novotny
- Tue 075 Calcium signal passway-based on to research the neuroprotection of effective components of traditional Chinese medicine
Yi Zhang, (PR China), X Lai, J Zhang,
- Tue 076 Molecular mechanisms of hERG K⁺ channel blockade by fluoroquinolone antibiotic agent ciprofloxacin hydrochloride
Zhao Zhang, (PR China), X Zhang, J Guo, J Liu, Z Zhu, Z Zhao

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- Focused Conf. FC03 **ION CHANNELS IN ANALGESIA & ANAESTHESIA**
- Tue 077 Topical application of disodium isostearyl 2-O-l-ascorbyl phosphate, a skin-permeable amphiphilic ascorbic derivative, attenuates chemotherapy-induced neuropathic hyperalgesia in rats
Kazumasa Okubo, (Japan), T Takahashi, M Matsunami, H Shibayama, A Kawabata
- Tue 078 Models for screening in rats the effects of TRPV1 receptor antagonists on thermal hyperalgesia and thermoregulation
G Pethő, K Bölcskei, V Tékus, A Kis-Varga, L Dézsi, A Visegrády, C Horváth, Janos Szolcsányi, (Hungary)
- Tue 079 Local anaesthetic activity of new piperidine's derivatives and their immobilized forms
Guram Pichkhadze, (Kazakhstan), K Praliev, D Kadyrova, S Nasyrova, S Imashova, G Muhamedzhanova, D Assylbekova
- Tue 080 Characterization of Philantotoxin analogues as subtype-selective AMPA receptor antagonists
Mette Poulsen, (Denmark), S Lucas, K Strømgaard, AS Kristensen
- Tue 081 Effect of diclofenac on compound action potential
Jelena Scekcic, (Montenegro), M Drecun, M Bajagic
- Tue 082 Discovery and characteristics of inducible spinal D-amino acid oxidase as a novel target for the treatment of chronic pain
Yong Xiang Wang, (PR China), N Gong, Z-Y Gao, J-L Huang

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ION CHANNELS IN ANALGESIA & ANAESTHESIA

- Tue 083 Antinociception of synthetic ω - conotoxin SO-3, a selective N-type neuronal voltage-sensitive calcium channel blocker, and its effects on morphine analgesia in chemical stimulus tests after acute or chronic intrathecal administration in rodent
Ling-Di Yan, (PR China), Y-L Liu, L Zhang, H-J Dong, P-L Zhou, Z-H Gong, P-T Huang
- Tue 084 Involvement of glutamate receptors existing in peripheral ending of primary afferent fibers in nociception
Norifumi Yonehara, (Japan), Y Koike
- Tue 085 Regulation of NMDA receptors by copper ions
Haitao You, (Canada), S Tsutsui, PK Stys, GW Zamponi

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Focused Conf. FC04

PHARMACOEPIDEMIOLOGY, CURRENT CONTROVERSIES AND OPPORTUNITIES

- Tue 086 Portuguese pharmacist attitudes towards the use of herbal complementary and alternative medicines in oncology
Maria T Herdeiro, (Portugal), E Mendes, A Figueiras, F Pimentel
- Tue 087 Hepatotoxicity associated with antituberculosis drugs: a cohort of incident patients receiving treatment or on chemoprophylaxis
Luisa Ibáñez, (Spain), M Sabaté, E Pérez, X Vidal, Hepatox-TBC Group
- Tue 088 Analysis of suspected adverse reactions to antidiabetic drugs in Spain, 2006-2008
María-Isabel Jiménez-Serranía, (Spain), R Mateos-Campos
- Tue 089 Utilization study of antidiabetic drugs in Spain, 2006-2008
María-Isabel Jiménez-Serranía, (Spain), R Mateos-Campos
- Tue 090 Emergence of Artemisinin resistant malaria in Western Cambodia
Phisit Khemawoot, (Thailand), L Chanthap, Y Se, D Bethell, D Saunders, P Teja-isavadharm, S Tyner, D Walsh, H Noedl, D Socheat, M Fukuda
- Tue 091 Surgical site infections incidence as a quality indicator for proper antibiotic prophylactic use in tertiary health care hospital inpatients
Aleksandra Kovacevic, (Republic of Serbia), V Dragojevic-Simic, V Suljagic, M Jevtic, J Vukovic
- Tue 092 Identification of drug-induced anaphylaxis using the French hospital administrative database
L Lacoïn, C Lecomte, A Kostrzewa, V Gilleron, N Moore, G Miremont-Salamé, Françoise Haramburu (France)
- Tue 093 Use of serotonergic medications and cardiac valvulopathy: a nested case-control study in The Health Improvement Network (THIN) databa
Francesco Lapi, (Italy), F Nicotra, A Rubino, L Scotti, M Thomson, A Zambon, G Corrao, A Mugelli
- Tue 094 Expression of adeA gene is associated with multidrug-resistance in *Acinetobacter baumannii* clinical isolates
Baodong Ling, (PR China), G Liu, X Zhu, L Lin, Y Zeng
- Tue 095 Drug consumption in Croatia: the effects of pricing policy changes
Tomislav Madjarevic, (Croatia), T Buble, M Gantumur, M Vitezic, B Sestan, D Vitezic
- Tue 096 Correlates of (inadequate) benzodiazepine use: the Netherlands Study of Depression and Anxiety (NESDA)
Leonie Manthey, (The Netherlands), T van Veen, EJ Giltay, JE Stoop, AK Neven, FG Zitman

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FC04

PHARMACOEPIDEMIOLOGY, CURRENT CONTROVERSIES AND OPPORTUNITIES

- Tue 097 A comparative study of medicinal plants used against gastrointestinal disorders in two districts of Bangladesh
Ariful Haque Mollik, (Bangladesh), R Faruque, R McField, A Chowdhury, KK Thapa
- Tue 098 Most frequent adverse drug reactions in cardiology patients registered with intensive monitoring system
Snezana Mugosa, (Montenegro), Z Todorovic
- Tue 099 Future approaches to pharmacology in context of philosophy and economics
Renate Neu, (Germany), MC Michailov, M Holler, E Neu, T Senn, R Schinabek, G Schulz, D Martin, S Molnar, M Schratz, G Weber
- Tue 100 Determinants of antibiotics prescription among doctors in a Nigerian teaching hospital
Olayinka O Ogunleye, (Nigeria), SO Ogundele, AF Yinka-Ogunleye
- Tue 101 Quality of life of arthritis rheumatology patients evaluation
PCR Palmiere, WA Souza, OMGC Vilas-Boas, EB Ferreira, Marcia HMC Podestá, (Brazil)
- Tue 102 A study of the longitudinal utilization of traditional non-steroidal anti-inflammatory drugs and COX-2 selection inhibitors using a pharmacy based approach
Emilian Damian Popovici, (Romania), MG Popovici, C Trandafirescu, M Kolliali, IM Malita
- Tue 103 Pharmacological patterns of treatment in acute manic episode: a spanish epidemiological multicentric study
Esther Prieto, (Spain), J Galán
- Tue 104 Pharmacoepidemiology as an opportunity for prognostic studies in rare diseases: the example of giant cell arteritis and the French APOGEE cohort (Artérite en POpulation GÉnÉrale)
Gregory Pugnet, (France), L Sailler, R Bourrel, A Sommet, JL Montastruc
- Tue 105 Effects of genetic polymorphisms of angiotensin converting enzyme in Iranian children with idiopathic nephrotic syndrome
Parvaneh Rahimi-Moghaddam, (Iran)
- Tue 106 Communication of toxic effects of drugs with polymorphism genes GST and CYP450
Natalya Shipovskaya, (Russian Federation), E Zaklyazminskaya, D Litvinov, L Shelihova
- Tue 107 Clinical importance of the evidentiary level basis for drug approval in oncology
Gerald Sokol, (USA), L Loftus, B Djulbegovic, L Cantilena
- Tue 108 Patients' preferences for written information about effects and undesirable side effects of drugs
Petra A Thürmann, (Germany), V Mülders, D Simic, O Herber, D Schwappach
- Tue 109 The feasibility of monitoring paediatric adverse drug reactions via specialist clinics
Mansour Tobaiqy, (UK), D Stewart, PJ Helms, CM Bond, AJ Lee, JS McLay
- Tue 110 Compounding of extemporaneous items in pharmacies in South Africa
Ilse Truter, (South Africa), M Lubbe, N Butler, D Nazer, A Gous, M Naidoo, P Naidoo, V Tlala, S Putter
- Tue 111 Antipsychotic prescribing to adults: a community pharmacy database analysis
Ilse Truter, (South Africa)
- Tue 112 Prescribing for Parkinson's disease in the private sector in South Africa
Ilse Truter, (South Africa),

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Focused Conf. **FC04** **PHARMACOEPIDEMIOLOGY, CURRENT CONTROVERSIES AND OPPORTUNITIES**

- Tue 113 The evaluation of quality of pharmacological treatment in elderly patients
Martin Wawruch, (Slovak Republic), L Kostkova, A Macugova, K Strateny, M Kuzelova, A Dukat, V Kristova
- Tue 114 Psychotropic drug utilization in old-adult community
N Yodu, C Peña, René Delgado-Hernandez, (Cuba)
- Tue 115 Proton pump inhibitor (PPI) or statin associated risk for Clostridium difficile associated disease (CDAD)?
Anita Zachow, (Germany), S Sonnenberg, G Haase, S Koenig, B Drewelow

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Focused Conf. **FC05** **TRANSLATIONAL SCIENCE IN THE METABOLIC SYNDROME: BASIC AND CLINICAL PHARMACOLOGY**

- Tue 116 Level of response to antiplatelet therapy in patients with type 2 diabetes
Nuria Jebrouni, (Spain), E Martin-Aurioles, F Padin, MM Arrebola, JA López-Villodres, JA Gonzalez-Correa
- Tue 117 Five kinds of alkaloids from Rhizoma Coptis improve glucose uptake of 3T3-L1 cells without adipogenesis activity
Xianli Meng, (PR China), J Li, X Fan, Y Zhang
- Tue 118 Propionyl-L-carnitine prevent metabolic and cardiovascular alterations in a model of diet-induced obesity
Carmen Mingorance Gutiérrez, (Spain), M Mingorance, G Simard, PH Ducluzeau, Y Malthery, M Álvarez de Sotomayor, R Andriantsitohaina
- Tue 119 Effect of genetic polymorphism on hypolipidemic response to rosuvastatin in metabolic syndrome
Misbah Misbahuddin, (India), F Ahmad, S Ziaurrahman, A Khan, S Siddiqui
- Tue 120 Ethnomedicinal uses of some plant species by the traditional healers in Gaibandha district of Bangladesh
Ariful Haque Mollik, (Bangladesh), R Faruque, R McField, D Sen, KK Thapa
- Tue 121 Insulin resistance in the obese Zucker rat is not associated with pulmonary arterial hypertension
Javier Moral-Sanz, (Spain), C Menendez, L Escolano, L Moreno, A Cogolludo
- Tue 122 Effect of Kampo, Chinese traditional medicine on clock- and metabolism-related gene expression in mice
Takeshi Morishima, (Japan), G Koiwa, Y Tahara, A Hirao, S Shibata
- Tue 123 Effects of rosiglitazone on the prejunctional facilitatory actions of angiotensin II and α -2-antagonists
Daniel Moura, (Portugal), H Pinheiro, F Silva, L Pereira, R Bastos
- Tue 124 Pre-emptive treatment with hemin suppresses hyperglycemia and improves glucose metabolism and diabetic nephropathy in the first generation offspring of Goto-kakizaki rats
Joseph F Ndisang, (Canada), N Lane, A Jadhav
- Tue 125 Description and application of the Thrittene radioimmunoassay
József Németh, (Hungary), G Fürjes, A Tóth, B Peitl, R Sári, Z Szilvássy
- Tue 126 Aliskiren reduces albuminuria and affects renal TNF- α and Bcl-2 expression in a model of diabetic nephropathy in rats
P Panagopoulos, Stergios Tsartsalis, (Greece), T Georgopoulou-Karanikola, C Tomos, T Mavrakanas
- Tue 127 Role of AT1 receptor on the CNS insulin Signalling in animal model of type 2 diabetes
Mariella Pastorello, (Venezuela), A Israel

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TRANSLATIONAL SCIENCE IN THE METABOLIC SYNDROME: BASIC AND CLINICAL PHARMACOLOGY

- Tue 128 The cyclic GMP-independent selective insulin sensitizing effect of oral isosorbide mononitrate in conscious rabbits
Barna Peitl, (Hungary), R Sári, Z Szilvássy
- Tue 129 Protein kinase G regulates mitochondrial biogenesis and differentiation of brown adipocytes via inhibition of the RhoA/ROCK pathway
Alexander Pfeifer, (Germany), B Haas, K Jennissen, P Mayer
- Tue 130 Analyzing the key enzymes of tricarboxylic acid circulation and researching metabonomics in diabetes and diabetic susceptible groups
Jing Ping, (PR China), X Guan, L Wu, Y Zhao, K Bi
- Tue 131 Antidiabetic activity of biotin, sodium selenate and folic acid in diabetic rats
Shweta Pitre, (India), R Ghosh, P Ganpathy, V Kadam
- Tue 132 Psammomys Obesus a promising animal model for type 2 diabetes
Rasmus Pold, (Denmark), C Godfredsen, S Lund, T Bodvarsdottir
- Tue 133 Liquid fructose modifies insulin signalling pathway independently of AMPK activation in female Sprague-Dawley rats
Núria Roglans, (Spain), A Rebollo, A Padrosa, L Vilà, M Alegret
- Tue 134 Visfatin/PBEF/Nampt: a new therapeutical target in vascular inflammation
Tanya Romacho, (Spain), V Azcutia, N Matesanz, E Cercas, R Carraro, CF Sanchez-Ferrer, C Peiro
- Tue 135 Attenuated coronary vasodilator responses to adenosine receptor agonists in hearts from Zucker diabetic rats
Roselyn Rose'Meyer, (Australia), D Wang
- Tue 136 Ca²⁺-dependent mechanism for hydrogen peroxide-induced apoptosis in pancreatic β -cells
Yurie Sayama, (Japan), A Noguchi, M Takada, Y Kaneko, T Ishikawa
- Tue 137 Effect of α -lipoic acid on lipid peroxidation and microscopic structures of liver, pancreas and heart in STZ diabetic rats
Manju Sharma, (India), KK Pillai, T Anwer, D Ahmad, WA Anjum
- Tue 138 Ubiquitin ligase Hrd1 facilitates degradation of the Z variant α -1-antitrypsin
Yuxian Shen, (PR China), H Wang, Q Li, A Sun, Y Shen, H Fang, L Feng, X Zhu, X He, S Fang
- Tue 139 Upregulated pancreatic NF- κ B/iNOS expression and impaired glucose stimulated insulin secretion in monosodium glutamate (MSG) induced obese rats after long-term fenofibrate treatment
Zhufang Shen, (PR China), S Liu
- Tue 140 Fasting-induced increase in galanin mRNA expression in several hypothalamic nuclei
Tomohiro Shiya, (Japan), T Niki, H Higuchi
- Tue 141 Cardioprotective drug mildronate enhances the anti-diabetic activity of metformin in obese Zucker rats
Elina Skapare, (Latvia), E Liepinsh, B Svalbe, M Dambrova
- Tue 142 Impaired neurogenic relaxation of the sphincter of Oddi of rabbits with insulin resistance
Zoltán Szilvássy, (Hungary), J Németh, R Sári, B Peitl
- Tue 143 Atrial enlargement and decreased heart rate in SHRSP.Z-Leprfa/IzmDmcr rats, a model of metabolic syndrome
Yukari Tada, (Japan), S Kagota, N Nejime, H Wakuda, K Nakamura, K Shinozuka

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TRANSLATIONAL SCIENCE IN THE METABOLIC SYNDROME: BASIC AND CLINICAL PHARMACOLOGY

- Tue 144 Coronary artery bypass grafting surgery worsens oxidative stress among patients with coronary disease
Teresa Tejerina, (Spain), MC M. Carnero, J Muñoz-Marin, JA González-Correa, E Gallardo, M Ramajo, S Redondo
- Tue 145 Development and application of a quantitative LC-MS/MS method for endocannabinoids
Brian Thomas, (USA), S Warren, Q Zhan, J Sasay, D Russell
- Tue 146 Neuronal insulin resistance in the nucleus Tractus solitarii induces hypertension in the fructose fed rats
Ching-Jiunn Tseng, (Taiwan), B-R Chen, W-Y Ho, W-H Cheng, P-W Cheng
- Tue 147 Body temperature regulation after dietary intervention of three kinds of high-fat diets
Hiromi Tsushima, (Japan), M Mori, K Yamada, H Okuyama, Y Hashimoto, H Hibino
- Tue 148 Evaluation of a glucagon challenge test as a tool in diabetes research
Marloes GJ Van Dongen, (The Netherlands), BF Geerts, S Bhanot, ML de Kam, AF Cohen, J Burggraaf
- Tue 149 CB1 cannabinoid receptor expression is regulated by glucose and feeding state in murine pancreatic islets
Rafael Villalobos-Molina, (Mexico), A Vilches-Flores, NL Delgado-Buenrostro, G Navarrete-Vazquez
- Tue 150 Metabolic syndrome prevalence in university students of México city
Rafael Villalobos-Molina, (Mexico), JR Jimenez-Flores, AR Mendez-Cruz, NY Rodríguez-Soriano, MI Mendoza-Ramos, SC Sigrist-Flores, M Rodriguez-Salazar, L Anguiano, E Gonzalez-Dalhaus
- Tue 151 Cell membrane crossing oligomers - a novel antisense therapy for reduction of apolipoprotein B-containing lipoproteins
Georg Wietzorrek, (Austria), Y Nakada, B Werner, H Bock, T Lindhorst
- Tue 152 The role for L-carnitine in STZ-induced diabetic mice peripheral nerve injury
Yunqiu Xia, (PR China), W Zhong, S Tao, C Wang, J Dong
- Tue 153 Role of heparan sulfate in glucose-induced insulin secretion in mouse pancreatic β -cell line MIN6 cells
Takeo Yoshikawa, (Japan), S Takayanagi, N Noguchi, D Zhang, Y Ariyama, H Okamoto, A Sugawara, K Yanai
- Tue 154 Chronic hyperinsulinemia induces hypertension resulted from abnormal innervation of perivascular nerves in rat mesenteric resistance arteries
Yoshito Zamami, (Japan), S Takatori, N Yabumae, M Hosoda, T Koyama, K Sasaki, H Kawasaki
- Tue 155 Bimodality of plasma glucose distributions in cynomolgus macaques
Guodong Zhang, (PR China), D Yi, C Zhou, C Zhu, P Chan
- Tue 156 Treating diabetic complications? Multitargeting effects of Scutellarein
Banghao Zhu, (PR China)

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THE HEART GONE WRONG; STABILIZATION OF CARDIAC FUNCTION

- Tue 157 Possible role of endocannabinoids in the cardioprotective effects of a polyunsaturated fatty acid-rich diet in rats
Istvan Lepran, (Hungary), N Morvay
- Tue 158 Effects of Lenalidomide on Ob/ob mice cardiac function: the role of TNF- α inhibitors
Linlin Li, (PR China), R Jun, Y Hua
- Tue 159 Role of acetylcholine in protecting H9c2 cells against oxidative stress induced by angiotensin II
J-J Liu, D-L Li, L Sun, M Zhao, X-J Yu, Wei-Jin Zang (PR China)
- Tue 160 Cardiac safety assessment: beyond QT
S Lynagh, David Bunton, (UK)
- Tue 161 Cystamine and sildenafil treatment of right ventricular hypertrophy in rats with pulmonary hypertension
Lars Høj Markvardsen, (Denmark), CU Andersen, M Aalling, JH Rønn, U Simonsen
- Tue 162 Neonatal hyperleptinaemia possibly modulates cardiac function
E Marques, F Toste, S Marques, J Raimundo, G Sudo, A Vieyra, Christianne Scaramello, (Brazil)
- Tue 163 Changes in the expression of enos and nnos in human peripheral blood lymphocytes and heart failure
Diana Vicente Miralles, (Spain), F Monto, E Oliver, D Barettino, J Rueda, L Almenar, P D'Ocon
- Tue 164 Methylsulfonylmethane (MSM) treatment improves hemodynamics in monocrotaline-induced pulmonary hypertension
Sadollah Mohammadi, (Iran), A Garjani, M Najafi, H Hamzeiy, N Maleki-Dizaji, K Hassanzadeh, M Asadi
- Tue 165 Changes in the expression of α 1 and β -adrenoceptors or of GRKs in human and rat hearts induced by chronic carvedilol treatment
Fermí Josep Montó Guillot, (Spain), D Vicente, E Oliver, D Barettino, J Rueda, L Almenar, P D'Ocon
- Tue 166 Decreased matricellular protein thrombospondin (TSP) -4 expression in human calcified aortic valves
Erja Mustonen, (Finland), V Pohjolainen, P Taskinen, J Näpänkangas, T Peltonen, T Juvonen, J Satta, H Ruskoaho, J Rysä
- Tue 167 Effects of administration of statins for a certain term before undergoing coronary artery bypass grafting on platelet activation and inflammatory responses
Kazuo Nakamura, (Japan), H Iwase, H Kariyazono, S Oiso, R Ikeda, K Takahama, R Sakata
- Tue 168 Effects of SERCA activators, ellagic acid and gingerol, on diabetes mellitus-induced diastolic dysfunction in isolated murine ventricular myocardia
Iyuki Namekata, (Japan), M Ohhara, Y Hirota, T Kawanishi, A Takahara
- Tue 169 Phenotyping of heterozygous calsequestrin targeted mice
Joachim Neumann, (Germany), P Bock, M Fischer, S Hauptmann, U Gergs
- Tue 170 Acute block of Kv1.5 channels by DHA increases rabbit atrial refractory period
Christophe Pignier, (France), R Letienne, N Cabriol, Y Calmettes, B Le Grand
- Tue 171 Cardioprotection against ischemia afforded by F 16916, a blocker of persistent sodium current
Christophe Pignier, (France), Robert Letienne, Perrine Pajeau, Lydia Bel, Anne-Marie Bessac, Bruno Le Grand

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THE HEART GONE WRONG; STABILIZATION OF CARDIAC FUNCTION

- Tue 172 Selective inhibition of persistent sodium current by F 15845 prevents ischemia-induced arrhythmias
Christophe Pignier, (France), R Letienne, B Vie, C Culie, B Vacher
- Tue 173 The myocardial protective and antioxidative effects of L-carnitine on patients with CHD after PCI
Haijun Qu, (PR China), F Jing, Z Sui, Y Cao, Z Han, C Wang
- Tue 174 Targeting therapy of the systemic inflammatory response syndrome in patients with congestive heart failure
Mamanti Rogava, (Georgia), T Bochorishvili, N Dolidze, M Mirziashvili
- Tue 175 State of endothelial and humoral regulation in heart failure of the aged patients on essential hypertension with combined IHD during the treatment
Olesya Romashenko, (Russian Federation)
- Tue 176 Phenothiazine derivatives effects on experimental tachyarrhythmias
Kristina Sarkisyan, (Russian Federation), M Ivashev
- Tue 177 Elucidation of the mechanism that sulfaphenazole suppresses cardiac ischemia-reperfusion injury. Analysis using sulfaphenazole derivatives
Masaya Sekine, (Japan), A Hamaguchi, Y Kobayashi, Y Ishihara, M Nakazawa
- Tue 178 Tetramethylpyrazine inhibits rat left ventricular hypertrophy induced by abdominal aorta coarctation: involvement of calcineurin
Jing-Shan Shi, (PR China), J Deng, Q Wu, Y Gao, X-N Huang
- Tue 179 Investigation of anilocain and lidocain antiarrhythmic action on the barium chloride arrhythmia model
Tatjana A Skorobogatova, (Russian Federation), VI Pantsurkin, MN Ivashev,
- Tue 180 Mechanism of the anti-hypertrophic action of RGS2 in cardiomyocytes
Alina J Sobiesiak, (Canada), CH Nguyen, P Chidiac,
- Tue 181 Effects of reduction of sympathetic nervous tone on ventricular myocytes contraction and the response of β_1 and β_2 adrenoceptor to isoprenaline in the aged rats
Hong Sun, (PR China), Z Zhao, L Gao, Q Wu, Y Hao, Y Sun, C Yan
- Tue 182 The pharmacokinetics and pharmacodynamics of biomarkers in patients with left ventricular systolic dysfunction (LVSD) and CHF treated with eplerenone
John Vincent, (USA), J Cumps, F Zannad, J Ketelslegers
- Tue 183 Attenuation of ischemia-induced Ca^{2+} overload and LV mechanical dysfunction by inhibitors of late INa
Lianguo Wang, (Canada), B Vacher, B Le Grand, A Clanachan
- Tue 184 Protective effect of rutaecarpine against myocardial hypertrophy in rats
Qin Wu, (PR China), L Deng, X-N Huang, J-S Shi
- Tue 185 LDL increases vascular ETB2 receptor expression via activation of ERK1/2 and p38 MAPK pathways
Cang-Bao Xu, (Sweden), J-P Zheng, Y Zhang, W Zhang, L Edvinsson
- Tue 186 Mechanism of improvement in vagal activity against myocardial ischemic injury
Wei-Jin Zang, (PR China), L Sun, D-L Li, S-S Kong, H-K Jiang, X-J Yu
- Tue 187 Mechanism of improvement in vagal activity against myocardial ischemic injury
Wei-Jin Zang, (PR China), L Sun, D-L Li, S-S Kong, H-K Jiang, X-J Yu
- Tue 188 Dose-dependent drug-drug interaction between paracetamol and warfarin in adults receiving long-term oral anticoagulants
Q Zhang, G Simoneau, L Drouet, C Bal-dit-Sollier, J-C Alvarez, J-F Bergmann, Stephane Mouly, (France)

TUESDAY, 20 JULY 2010

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Focused Conf.

FC06

POSTER HALL

THE HEART GONE WRONG; STABILIZATION OF CARDIAC FUNCTION

Tue 189

Amoxicillin/clavulanic acid did not increase INR in patients treated with warfarin

Q Zhang, G Simoneau, C Verstuyft, L Drouet, C Bal-dit-Sollier, J-F Bergmann, L Becquemont, Stephane Mouly, (France)

13:00 - 14:00

Focused Conf.

FC07

POSTER HALL

SIMULATION AND DATA MODELLING IN DRUG DEVELOPMENT. BETTER DRUGS FASTER?

Tue 190

Infliximab pharmacokinetics in rheumatoid arthritis is influenced by body surface area, erythrocyte sedimentation rate, methotrexate and antibodies towards infliximab

Gilles Paintaud, (France), E Ducourau, T David, C Anca, LG Benoît, D Valérie, S-G Elisabeth, G Philippe, M Denis

Tue 191

Pharmacokinetics of florfenicol following a single SC injection in calves

Ali Rassouli, (Iran), P Lees, P Sidhu

Tue 192

New approach for fitting of data of fluorescence anisotropy and intensity for characterization of ligand binding to melanocortin 4 receptors

Ago Rinken, (Estonia), S Veiksina, S Kopanchuk,

Tue 193

α_2 adrenoceptor distribution in pig brain, mapped with radiolabeled yohimbine by means of positron emission tomography

A Rodell, S Jakobsen, Albert Gjedde, (Denmark),

Tue 194

Design of novel and selective HDAC8-inhibitors as anticancer agents

Barij Nayan Sinha, (India), V Jayaprakash

Tue 195

7TM-homology modelling of long form of human and rat D2 dopamine receptor and validation for evaluating ligands recognition

Marvin A Soriano-Ursúa, (Mexico), JO Ocampo-López, JG Trujillo-Ferrara, J Correa-Basurto

Tue 196

The RAAS hypertension PhysioLab platform: a systems modelling approach to hypertension

Antoine Soubret, (Switzerland), A Sarkar, M Hallow, B Bieth, A Georgieva, J Beh, S Ermakov, S Ramanujan, M Rodrigo, D Keefe, A Charney

Tue 197

Influence of non-compliance on antimicrobial therapy with levofloxacin based on pharmacokinetic/ pharmacodynamic simulation

Maria Elena Suarez Gonzalez, (Spain), N Carral, R Calvo Duo, J Lukas

Tue 198

Methotrexate influences neither pharmacokinetics nor concentration-effect relationship of infliximab in ankylosing spondylitis

David Ternant, (France), F Lauferon, D Mulleman, D Wendling, E Ducourau, P Goupille, G Paintaud

13:00 - 14:00

Focused Conf.

FC08

POSTER HALL

DEVELOPMENTS IN THE TREATMENT OF SEXUAL DYSFUNCTION AND DISEASES OF THE LOWER URINARY TRACT

Tue 199

Regulation of urothelial spontaneous contractile activity

Christian Moro, (Australia), R Chess-Williams

Tue 200

The relationship between hyperlipidemia-induced erectile dysfunction and serum ADMA levels in a time dependent manner

N Murat, A Toylu, Atiye Sinem Evcim, (Turkey), BC Soner, O Demir, T Demir, N Atabey, S Gidener, AA Esen

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POSTER HALL

Focused Conf.

FC08

DEVELOPMENTS IN THE TREATMENT OF SEXUAL DYSFUNCTION AND DISEASES OF THE LOWER URINARY TRACT

- Tue 201 Alteration of carbachol-induced prostate contraction in adiponectin transgenic mice
Koji Nobe, (Japan), A Fujii, T Negoro, K Saito, Y Nakano, K Honda
- Tue 202 The effect of testosterone on intracellular calcium and cAMP in human cultured prostatic stromal cells
Victoria Oliver, (Australia), C Anderson, J Haynes,
- Tue 203 Comparison of the effects of AdTx1 and tamsulosin on the increase in intra-urethral and arterial pressures induced by phenylephrine in anesthetized male rats
Stefano Palea, (France), N Gilles, V Guilloteau, M Guérard, P Lluel
- Tue 204 Stimulation of β_3 -adrenoceptors inhibits EFS-induced contractions of human isolated urinary bladder
M Rekik, C Rouget, P Camparo, H Botto, Stefano Lluel, (France), S Palea
- Tue 205 Involvement of both β_2 - and β_3 -adrenoceptors in the inhibition of neurogenic contractions of mouse isolated urinary bladder
C Rouget, T Westfall, M Rekik, P Lluel, Stefano Palea (France)
- Tue 206 Stimulation of both β_2 - and β_3 -adrenoceptors produces relaxation of KCl-induced contractions of mouse isolated urinary bladder
C Rouget, T Westfall, M Rekik, P Lluel, Stefano Palea, (France)
- Tue 207 Effect of psychotropic drugs (Fluoxetine and Mirtazapine) on Phenylephrine-induced rat vas deferens contractility
Cristina Sampayo, (Portugal), I Silva, R Pinto, B Silva-Lima
- Tue 208 Interaction between nitric oxide and dopaminergic transmission in the peripheral control of penile erection
Amira Senbel, (Egypt)
- Tue 209 Acute toxicity studies and phytochemical screening of an erectile dysfunction herbal treatment; *Kosteletzkya begoniifolia* (Ulbr)
Julius Kihdzee Tanayen, (Uganda), J Oloro, AA Ganafa
- Tue 210 Expression of phosphodiesterase (PDE) isoenzymes PDE4, PDE5 and PDE11 in the human seminal vesicles - an immunohistochemical study
Stefan Ückert, (Germany), J Sonnenberg, V Steffenhagen, M Kuczyk, P Hedlund
- Tue 211 Is there a significance of the cyclic AMP specific phosphodiesterase 4 (PDE4) in the control of prostate smooth muscle? A functional and biochemical approach
Stefan Ückert, (Germany), D Schönfeld, G Kedia, M Kuczyk
- Tue 212 Rho-kinase related proteins in human vaginal arteries - functional and immunohistochemical studies
Stefan Ückert, (Germany), E Waldkirch, M Kuczyk, P Hedlund
- Tue 213 Impaired Ca^{2+} handling in penile arteries from prediabetic Zucker rats: involvement of Rho-kinase
N Villalba, A García-Sacristán, M Hernández, Dolores Prieto, (Spain)
- Tue 214 On human relevancy of pharmco-toxicological experiments on example of genito-urology
Ursula Welscher, (Germany), J Stiglmayr, J Milbradt, E Neu, HW Bauer, N Moro, MC Michailov, R Schätzle, L Zebuhr, W Seidenbusch, J Foltinova
- Tue 215 Characterisation of the muscarinic receptor subtype mediating contraction in the mouse prostate gland
Carl White, (Australia), J Short, S Ventura
- Tue 216 Is phytotherapy effective for the urinary dysfunction in patients with benign prostatic hypertrophy?
Shizuo Yamada, (Japan), M Abe, Y Ito, S Onoue

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DEVELOPMENTS IN THE TREATMENT OF SEXUAL DYSFUNCTION AND DISEASES OF THE LOWER URINARY TRACT

- Tue 217 Noninvasive evaluation of brain muscarinic receptor occupancy of oxybutynin, darifenacin and imidafenacin in rats by positron emission tomography
Shizuo Yamada, (Japan), A Yoshida, Y Ito, H Tsukada
- Tue 218 Prostatoprotective activity of bee pollen lipophilic extract
Ganna V Zaychenko, (Ukraine), S Gevoyan

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POSTER HALL

Focused Conf. FC09

INFLAMMATION AND IMMUNOPHARMACOLOGY: NEW TOOLS FOR OLD DISEASES

- Tue 219 Lipopolysaccharide induced changes of liver function in μ -opioid-receptor-wildtype and -knockout mice
Amelie Lupp, (Germany), S Schulz
- Tue 220 Cerebral ischemia induces micro vascular pro-inflammatory cytokine expression via the MEK/ERK pathway
Aida Maddahi, (Sweden), L Edvinsson
- Tue 221 Pharmacological evaluation of clinically active compounds in a model of cystic fibrosis related inflammation
Rangan Maitra, (USA), A Giddings, J Tajuba
- Tue 222 Malnutrition and biomarkers of inflammation in elderly patients
Eva Mala, (Czech Republic), E Buresova, J Novosad, I Krcmova, J Krejsek, L Sobotka, I Urbanova
- Tue 223 Clavulanic acid reduces neutrophil infiltration and oedema response in carrageenan-induced acute inflammation
Nasrin Maleki-Dizaji, (Iran), A Banani, A Garjani, H Hamishehkar, A Fakhrjou
- Tue 224 Association of genetic polymorphisms of eNOS and iNOS with immune sensitization in asthmatic children
Vangelis G Manolopoulos, (Greece), M Iordanidou, A Tavridou, E Paraskakis, A Chatzimichael
- Tue 225 Paradoxical influences of mTOR inhibitor everolimus on progressive renal failure
Satohiro Masuda, (Japan), S Nakagawa, K Nishihara, K Inui
- Tue 226 Effect of valsartan on bone loss in periodontal disease induced by lipopolysaccharides in the rat
Maria Gabriela Matos, (Venezuela), L Perdomo, M Alvarez, M Varela, A Stern
- Tue 227 Inhibitor of apoptosis proteins (IAPs) as novel targets in inflammatory processes of endothelial cells
Bettina Mayer, (Germany), C Reichel, F Krombach, S Zahler, A Vollmar
- Tue 228 Administration of edoxaban, an oral factor Xa inhibitor, is safe in healthy subjects post warfarin treatment- encore abstract
Jeanne Mendell, (USA), R Noveck, I Rubets, M Shi
- Tue 229 A novel mechanism for neutrophil trapping in endotoxemic hepatic microvasculature: downregulation of β -2 integrin via IL-10
Gustavo Menezes, (Brazil), W-Y Lee, H Zhou, C Waterhouse, D Cara
- Tue 230 Agonist-mediated changes in intracellular calcium in human bronchial epithelial cells
Ian McFadzean, (UK), P Menon, K Varanou
- Tue 231 The enhancement of pentylentetrazole-induced seizure threshold in mice via cyclooxygenase-2 inhibition by nimesulide
Azam Mesdaghinia, (Iran), A Heydari, P Khazae, H Yazdanpanah

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POSTER HALL

Focused Conf.

FC09

INFLAMMATION AND IMMUNOPHARMACOLOGY: NEW TOOLS FOR OLD DISEASES

- Tue 232 Cannabinoid receptor activation inhibits smooth muscle cell proliferation and endothelial cytokine production
Lisa Michel, (UK), K Skene, S Teixeira, E Hector, H Vosper
- Tue 233 Expression of 5-HT receptors by human immune cells: impact of physiological activation
Sarah Milton, (UK), A Butler, J Curnow, J Gordon, N Barnes
- Tue 234 Aqueous cigarette tar extract causes marked bronchial smooth muscle hyperresponsiveness in rats
Miwa Misawa, (Japan), A Watanabe, A Fujita, H Sakai, J Kamei
- Tue 235 TRPA1 agonists iodoacetate and allyl isothiocyanate induce COX-2 expression in chondrocyte and macrophage cell lines
Lauri Moilanen, (Finland), R Nieminen, E Moilanen,
- Tue 236 Effect of Helicobacter pylori infection on the adherens junctions of gastric parietal cells in Mongolian gerbils
Motonobu Murakami, (Japan), Y Tamura, Y Kuroda, A Sugiyama, A Nakagiri, K Amagase, K Takeuchi
- Tue 237 Up-regulation of survivin expression in simvastatin treated rats in endotoxic shock
Lana Nezcic, (Bosnia and Herzegovina), L Amidzic, R Skrbic, SS Satara, N Stojakovic
- Tue 238 Adenosine A2 α agonist and A2 β antagonist mediate an inhibition of inflammation-induced contractile disturbance of a rat gastrointestinal preparation
Karen Nieber, (Germany), C Warstat, S Michael, L Yan, CE Müller
- Tue 239 Gold-containing DMARDs inhibit COX-2, MMP-3 and IL-6 expression in chondrocytes by increasing MKP-1 expression and decreasing p38 phosphorylation
Riina Nieminen, (Finland), R Korhonen, T Moilanen, AR Clark, E Moilanen
- Tue 240 Stimulation of macrophages by INF α in combination with LPS leads to effective elimination of F. tularensis experimental infection
J Novosad, Eva Mala, (Czech Republic), M Holicka, M Novosadova, I Krcmova
- Tue 241 Evaluation of antioxidant and anti-inflammatory effects of flavonoids and metal-flavonoids complexes
Cristina Okuyama, (Brazil), D de Oliveira, C Miyashiro, R Pereira
- Tue 242 Epac and PKA inhibit cigarette smoke-induced production of IL-8 in airway smooth muscle cells
Anouk Oldenburger, (The Netherlands), SS Roscioni, E Jansen, MH Menzen, AJ Halayko, M Schmidt
- Tue 243 Lipopolysaccharide stimulates diabetic gingival fibroblast to express TGF- β via MIP-2. Role of PI3K
Sandra HP Oliveira, (Brazil), A Tamae, MA Machado,
- Tue 244 COX imaging by PET with ¹¹C-labeled nonsteroidal anti-inflammatory drugs (NSAIDs)
Hiroataka Onoe, (Japan), M Shukuri, M Takashima-Hirano, M Goto, T Takashima, Y Watanabe, H Doi, M Suzuki
- Tue 245 The effect of terpenes on skin absorption of tiaprofenic acid gel *Ex vivo* and *In vivo* in rats
Zeliha Pala Kara, (Turkey), A Okyar, M Nuriyev, A Yıldızy, N Öztürk

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INFLAMMATION AND IMMUNOPHARMACOLOGY: NEW TOOLS FOR OLD DISEASES

- Tue 246 Histological study of bone healing in rats after treatment with parecoxib
Paraskevi Papaioannidou, (Greece), P Akritopoulos, M Dermentzopoulou, H Hatzokos, E Iosifidou, V Mirtsou
- Tue 247 Anti-inflammatory properties of a dual PPAR γ / α agonist muraglitazar in *in vitro* and *in vivo* models
Erja-Leena Paukkeri, (Finland), M Lindholm, T Leppänen, PH Aulaskari, MF Yam, E Moilanen
- Tue 248 Metallic gold improves clinical outcome, induces neuroprotective astrocytosis and evokes stem cell response in an EAE rat model of multiple sclerosis
Dan Sonne Pedersen, (Denmark), A Larsen, PM Fredericia, MØ Pedersen, M Stoltenberg, M Penkowa
- Tue 249 *In vitro* and *in vivo* effects of WIN55,212 on exocrine pancreas in physiological condition and during acute pancreatitis
Carla Petrella, (Italy), S Alemà, S Agostini, M Broccardo, P Casolini, F Carpino, G Improta
- Tue 250 Investigation of anti-inflammatory and anti-nociceptive effects of a non-peptide somatostatin 4 receptor agonist TEZ-321
Erika Pinter, (Hungary), Z Helyes, T Szuts, G Keri, A Kemeny, K Elekes, E Szoke, T Bagoly, Z Hegedus, J Szolcsanyi
- Tue 251 Is severity of clinical manifestations following H lepturus envenomation relates to serum TNF- α level?
Mohammad Hassan Pipelzadeh, (Iran), A Jalali, A Ahmadzadehd, A Khodadadi, M Makvandi
- Tue 252 Dual effect of antagonist K-14585 on PAR-2 pro-inflammatory signalling
Robin Plevin, (UK), F Goon Goh, PY Ng
- Tue 253 Mildronate regulates iNOS and myelin expression in the rat model of experimental autoimmune encephalomyelitis
Jolanta Pupure, (Latvia), J Rumaks, N Karajeva, S Isajevs, B Jansone, V Klusa
- Tue 254 Association between polymorphisms of IL-4 receptor α chain gene and plasma IgE levels in Malaysian asthmatics
Vijaya Lechimi Raj, (Malaysia), R Naidu, AK Radhakrishnan, CK Liam, MR Mustafa
- Tue 255 Irinotecan-induced intestinal mucositis: role of cytokines on inducible nitric oxide synthase activation
Ronaldo A Ribeiro, (Brazil), MHLP Souza, GAC Brito, RB Oriá, FQ Cunha, RCP Lima-Júnior
- Tue 256 Angiotensin II promotes cytokine production in human podocytes
Arianna Carolina Rosa, (Italy), L Rattazzi, G Miglio, R Fantozzi
- Tue 257 α -pinene inhibits interleukin-1-induced nitric oxide production by NF- κ B-dependent and independent mechanisms in human chondrocytes
Susana Rosa, (Portugal), J Goncalves, F Judas, L Salgueiro, C Cavaleiro, AF Mendes
- Tue 258 Preventive effect of 5-HT $_{1A}$ receptor agonist Buspirone on mesenteric ischemia/reperfusion-induced inflammatory injuries in mice
F Saccani, L Flammini, T Gobbetti, G Vegezzi, P Ghizzardi, S Bertoni, M Tognolini, V Ballabeni, Elisabetta Barocelli, (Italy)
- Tue 259 Angiotensin II induces hyperresponsiveness of bronchial smooth muscle via an activation of p42/44 ERK in rats
Hiroyasu Sakai, (Japan), Y Chiba, M Hanazaki, M Misawa

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INFLAMMATION AND IMMUNOPHARMACOLOGY: NEW TOOLS FOR OLD DISEASES

- Tue 260 Dual roles of the PGE₂-EP4 Signalling in mouse experimental autoimmune encephalomyelitis
Daiji Sakata, (Japan), Y Esaki, Y Li, C Yao, E Segi-Nishida, K Fukuda, S Narumiya
- Tue 261 Drug prescription after third molar removal: a retrospective study in the Faculty of Dental Medicine of the University of Porto/Portugal
Carlos Santos, (Brazil), A Calvo, T Dionísio, JR Lauris, MH Fernandes
- Tue 262 Induction of duodenal ulcers by selective cyclo-oxygenase (COX)-1 and COX-2 inhibitors in cats
Hiroshi Satoh, (Japan), K Amagase, K Takeuchi,
- Tue 263 Analysis of various biological responses induced by Helicobacter pylori extract: independent of proteinase-activated receptors?
Fumiko Sekiguchi, (Japan), Y Maeda, Y Matsumoto, M Matsunami, H Nishikawa
- Tue 264 Novel selective COX-2 inhibitor pyrazole derivative proven effective as anti-inflammatory and analgesic drug
Amira Senbel, (Egypt), MM Mohy El-Din, AA Bistawros, A El-Mallah, NA Nour El-Din, H Abdel Razek
- Tue 265 Involvements of RhoA geranylgeranylation in the pathogenesis of allergic bronchial asthma
Aya Shibuya, (Japan), S Sato, Y Chiba, M Misawa
- Tue 266 Changes of inflammatory cytokines in rats with naturally occurring gingivitis
Mitsuko Shinohara, (Japan), A Hidaka, K Iwamoto, K Ohura
- Tue 267 The influence of ramipril on the inflammation markers and the immediate prognosis of myocardial infarction
Anton Skotnikov, (Russian Federation), A Vertkin
- Tue 268 Sustained improvement of glycemic control reduces urinary leukotriene E₄ excretion in patients with type 1 diabetes
Françoise Stanke, (France), R Boizel, G Bruttman, PY Benhamou, S Halimi
- Tue 269 Novel Pan-JAK inhibitor shows efficacy in both steroid sensitive and steroid insensitive inflammatory pathway
Laurie Stevens, (UK), P Fenwick, W Liu, I Kilty, M Yeadon
- Tue 270 Development of an *In vitro* model to investigate changes in kidney-derived exosomes with disease
Jonathan M Street, (UK), M Bailey, F Frame, TS Walsh, DJ Webb
- Tue 271 Investigation of the role of TRPV1 capsaicin receptors and tachykinins in dextrane-sulphate induced mouse colitis model
Istvan Szitter, (Hungary), E Pinter, G Pozsgai, K Sandor, A Kemeny, K Elekes, Z Helyes, J Szolcsanyi, J Quinn
- Tue 272 Prostaglandin E₂ inhibits advanced glycation end products-induced activation of human monocytes
Hideo Takahashi, (Japan), K Liu, H Wake, S Mori, M Nishibori
- Tue 273 IL-16 accelerates cell proliferation mediated by ERK- cyclin D1 pathway in hepatocellular carcinoma
Yuko Takeba, (Japan), N Matsumoto, T Kumai, M Watanabe, Y Kinoshita
- Tue 274 Roles of prostaglandins, nitric oxide and enterobacteria in pathogenesis of ischemic enteritis in rats
Koji Takeuchi, (Japan), S Kojima, A Kuki, Y Nakamori, Y Komatsu
- Tue 275 New roles for kinin B1 receptor in the control of core temperature
Sébastien Talbot, (Canada), H de Brito Gariépy, R Couture,

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INFLAMMATION AND IMMUNOPHARMACOLOGY: NEW TOOLS FOR OLD DISEASES

- Tue 276 The study of effects of psychotropic drug Ladasten on LPS-induced changes cytokines profile and behavior in mice C57Bl/6
Anna Tallerova, (Russian Federation), L Kovalenko, E Shipaeva, M Yarkova, A Durnev
- Tue 277 Inhibitory effects of (3S)-7-(3,4-dihydroxyphenyl)-1-phenyl-(1E)-1-hepten-3-ol, a novel compound isolated from Curcuma comosa on nitric oxide and prostaglandin E₂ production in lipopolysaccharide-induced microglial activation
Anusorn Thampithak, (Thailand), Y Jaisin, B Meesarapee, N Poopyruchpong, Y Sanvarinda
- Tue 278 MKP-1 negatively regulates the expression of IL-8, IL-6 and COX-2 in human A549 epithelial cells
Tuija Turpeinen, (Finland), R Nieminen, E Moilanen, R Korhonen
- Tue 279 The antimicrobial properties of 8-hydroxyquinoline derivatives and interaction with vitamin B12
Robyn L van Zyl, (South Africa), M McLaverty, SF van Vuuren
- Tue 280 GLPG0259, a small molecule kinase inhibitor being developed for rheumatoid arthritis, shows good safety, tolerability and pharmacokinetics in healthy volunteers
Frédéric Vanhoutte, (Belgium), J Beetens, L Gheyle, E Vets, W Haazen, N Vandeghinste, S Blockhuys, P Wigerinck,
- Tue 281 Minocycline reverses behavior and neurochemical changes in the model of global brain ischemia in rats
Glauce SB Viana, (Brazil), AGG de Carvalho, AVB Peixoto, CCB Bezerra
- Tue 282 Minocycline reverts neurochemical and behavior alterations in the PD model of 6-OHDA-induced striatal lesions in rats
Glauce SB Viana, (Brazil), PLF Tavares, IPP Xavier, IR Holanda, GM de Andrade
- Tue 283 Proinflammatory and catabolic role of adipokines leptin and adiponectin in arthritis
Katriina Vuolteenaho, (Finland), A Koskinen, S Juslin, R Nieminen, T Moilanen
- Tue 284 Identification of a selective antagonist for prostaglandin (PG) E₂-glyceryl ester: AGN-217673
J Wang, David Woodward, (USA), L Ford, R Ross, M Rogers
- Tue 285 Tumor necrosis factor-related apoptosis inducing ligand promotes early atherogenesis in apolipoprotein(E)-deficient mice
Yan Wang, (PR China), F Jiang, Y Zhang, C Zhang, Y Zhao
- Tue 286 R-flurbiprofen reverses multidrug resistance, proliferation and metastasis in gastric cancer cells by p75NTR induction
Zhipeng Wang, (PR China), H Jin, Q Mei, D Fan
- Tue 287 Possible involvement of Src family kinases in the rat bronchial smooth muscle contraction
Yu Watanabe, (Japan), H Sakai, Y Chiba, M Misawa
- Tue 288 B lymphocyte stimulator receptors and autoimmune diseases
Wei Wei, (PR China)
- Tue 289 Expression and functionality of leptin receptor (Ob-R) in the human near-term myometrium
Maeva Wendremaire, (France), F Lirussi, M Sediki, F Goirand, C Peyronel, M Dumas, P Sagot, M Bardou

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POSTER HALL

INFLAMMATION AND IMMUNOPHARMACOLOGY: NEW TOOLS FOR OLD DISEASES

- Tue 290 Leptin prevents LPS-induced apoptosis in an *In vitro* human model of myometrial inflammation
Maeva Wendremaire, (France), F Lirussi, M Sediki, F Goirand, S Lionnais-Couvreur, M Dumas, P Sagot, M Bardou,
- Tue 291 Carnosol modulates NF- κ B activity by dual mechanisms in endothelial cells
Being-Sun Wung, (Taiwan)
- Tue 292 Phosphodiesterase 4 inhibition attenuates nicotine-induced airway hyperresponsiveness to kinin receptor agonists
Yuan Xu, (Sweden), Y Zhang, L-O Cardell
- Tue 293 TLR4-dependent induction of VCAM-1 in rheumatoid arthritis synovial fibroblasts: roles of cPLA2/COX-2
Chuen-Mao Yang, (Taiwan), H-L Hsieh
- Tue 294 Prostaglandin E2-EP4 Signalling promotes immune inflammation through Th1 cell differentiation and Th17 cell expansion
Chengcan Yao, (Japan), D Sakata, Y Esaki, Y Li, T Matsuoka, Y Sugimoto, S Narumiya
- Tue 295 Carboxyamidotriazole inhibited the secretion of pro-inflammation cytokines and the expression of iNOS in macrophages of adjuvant arthritis rats
Caiying Ye, (PR China), D Zhang, R Zheng, L Guo
- Tue 296 The effect of carboxyamidotriazole on dextran sulphate sodium induced mouse experimental ulcerative colitis
Dechang Zhang, (PR China), C Ye, X Hao, R Zheng
- Tue 297 Anti-inflammatory activity of a novel natural salicylate derivative from *Gaultheria yunnanensis* (FRANCH.) REHDER
Tiantai Zhang, (PR China), Lan Sun, Rui Liu, Xi Lan, JH Sun
- Tue 298 Up-regulation of kinin receptors in rat bronchi via I κ B kinase-mediated inflammatory Signalling pathway
Yaping Zhang, (Sweden), Y Lei, Y-X Cao, L Edvinsson, C-B Xu
- Tue 299 Artesunate potentiates antibacterial effects of antibiotics *In vitro* and *In vivo* by increased accumulation of antibiotics via an inhibition on drug efflux pumps, AcrAB-TolC and MdtABC
Hong Zhou, (PR China), BL Li, Q Yao, R Zhang, X Pan, G Ding, X Liu, C Wu, J Zheng
- Tue 300 Interference of newly developed antivirals with activity of immune system
Zdenek Zidek, (Czech Republic), E Kmonicková, A Holý

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FC13

POSTER HALL

MAXIMISING BENEFITS AND MINIMIZING HARMS FROM DRUGS

- Tue 301 Molecular determinants of warfarin pharmacokinetics and response
Inna Gong, (Canada), R Tirona, U Schwarz, N Crown, G Dresser, N Langlois, A Lazo-Langner, P Wells, R Kim
- Tue 322 Determination of the rate of release of ibuprofen and dexibuprofen via topical route
AVM González, (Spain), G Ccalleja, Liliana Bautista Chavez, JJT Durán, PB Papantonakis
- Tue 303 Covariate analysis of T-wave morphology and QTc prolongation: new insights into drug-induced ECG changes
Claus Graff, (Denmark), E Toft, J Matz, JK Kanters, MP Andersen, JJ Struijk

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FC13

MAXIMISING BENEFITS AND MINIMIZING HARMS FROM DRUGS

- Tue 304 Imatinib determination in human serum by high-performance liquid chromatography
Paula Granic, (Croatia), D Sertic, M Lovric, Z Lalic, N Bozina, J Sertic
- Tue 305 Impact of CYP2C9, CYP2C19 and VKORC1 polymorphisms on acenocoumarol time-to-achieve stability
Liliane Gschwind, (Switzerland), V Rollason Gumprecht, M Rebsamen, V Nepote, P Bonnabry, C Combescure, P Francis, P Chopard, P Dayer, J Desmeules
- Tue 306 Quality-analysis of aminoglycoside therapy in children at a Belgian university hospital
Evelien Haegeman, (Belgium), P De Cock, N Goerlandt, P Vanhaesebrouck, V Stove, P Schelstraete, H Robays
- Tue 307 Neuroprotective and antitremor effect of Baicalein against 6-OHDA-induced experimental Parkinsonism
Guorong He, (PR China), X Mu, X Li, X Yu, K Wang
- Tue 308 Fluconazole-induced intoxication with phenytoin in a patient with ultra-high activity of CYP2C9
Anders Helldén, (Sweden), U Bergman, K Engström Hellgren, I Nilsson Remahl, I Odar-Cederlöf, L Bertilsson
- Tue 309 Gentamicin pharmacokinetics and dosing in older people: is frailty a factor?
Sarah Hilmer, (Australia), K Tran, P Rubie, J Wright, S Matthews, P Carroll
- Tue 310 Can drug removals involving cyclooxygenase inhibitors be avoided? Results from volunteer studies using ex vivo whole blood analyses
Burkhard Hinz, (Germany), K Brune
- Tue 311 Association of genetic variants of UGT1A1 gene with serum bilirubin level in the Japanese
Akira Hirasawa, (Japan), T Akahane, T Tsuruta, K Saito, T Zama, N Susumu, D Aoki
- Tue 312 Pharmacokinetics, tolerability, and safety of almorexant in Japanese and Caucasian healthy male subjects
Matthias Hoch, (Switzerland), P Hoever, F Alessi, J Marjason, J Dingemans
- Tue 313 Potentially inappropriate medication in a German stroke cohort
Jacek Szymanski, (Germany), S Holt, C Diederichs, PA Thürmann, K Berger
- Tue 314 A German list of potentially inappropriate medication in the elderly
Petra A Thürmann, (Germany), S Holt, S Schmiedl
- Tue 315 Pharmacokinetic drug interaction of enoxacin and tizanidine via CYP1A2 inhibition
Masato Homma, (Japan), K Momo, T Kobayashi, Y Kohda
- Tue 316 Strong inhibition of CYP2C8 within 1 hour after gemfibrozil dosing: estimation of the onset of CYP2C8 inactivation using repaglinide as an in vivo probe
Johanna Honkalammi, (Finland), M Niemi, PJ Neuvonen, JT Backman
- Tue 317 The expression of 14-3-3 subtypes in uterine leiomyoma
Ouping Huang, (PR China), SF Fang, L Wang, D Yin, B Yi, M He
- Tue 318 Effect of losartan on metabolism of arachidonic acid in human liver microsomes
Nobuo Inotsume, (Japan), T Toda, K Sakamoto, S Takeuchi, T Hayakawa, E Eliasson, A Rane
- Tue 319 Pharmacokinetics and dosage regimen of ciprofloxacin following single intramuscular administration in Sahiwal cattle
Zahid Iqbal, (Pakistan), A Basit, I Javed, IU Jan, UA Khan
- Tue 320 Inhibitory effects of OTC-drugs on cytochrome P450 in human liver microsome
Mariko Iwase, (Japan), Y Nishimura, N Kurata, Y Saito, N Uchida

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- Tue 321 Amoxicillin pharmacokinetics in patients with aspiration pneumonia as a complication of overdosage with psychotropic drugs: a pilot study
Dusan Jandric, (Republic of Serbia), V Dragojevic-Simic, B Ciric, D Jovanovic, V Kilibarda, S Dobric
- Tue 322 Total and free clearance of R- and S-warfarin in elderly people
Berit P Jensen, (New Zealand), P Chin, RR Roberts, J Maddison, EJ Begg
- Tue 323 CYP2C9*3 and *13 alleles significantly affected the pharmacokinetics of meloxicam in healthy subjects
Kyeong-Joo Jeon, (Republic Of South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Tue 324 The role of CYP2C9 genetic variants in the disposition of glipizide in healthy subjects
Kyeong-Joo Jeon, (Republic Of South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Tue 325 Pharmacokinetics of L-carnitine, acetyl-L-carnitine and propionyl-L-carnitine after multiple-dose oral administration of L-carnitine solution in healthy subjects
Fanbo Jing, (PR China), H Qu, Z Sui, Y Cao, Z Han, C Wang
- Tue 326 Potentially inappropriate drug prescription in hospitalized geriatric patients
Marcela Jirón, (Chile), P Jara, L Escobar, S Orellana, I Huala, MD Castillo, VH Carrasco
- Tue 327 Cockcroft-Gault and MDRD in estimating renal function in older heart failure patients – implications for prescribing of predominantly renally cleared medications
Sally Johns, (Australia), J Maddison, S Shakib
- Tue 328 Erythropoietin use in cancer-related anemia in Croatia
Danica Juricic, (Croatia), S Badzek, L Bielen, V Erdeljic, K Makar-Ausperger, R Likic, I Francetic
- Tue 329 Prediction of non-compliance with antibiotic therapy in ambulatory patients
Kristina Kandrotaitė, (Lithuania), V Neverauskas, M Jievaltas, V Saferis, V Briedis
- Tue 330 Gemfibrozil markedly increases the plasma concentrations of montelukast: a previously unrecognized role for CYP2C8 in the metabolism of montelukast
Tiina Karonen, (Finland), J Laitila, M Niemi, P Neuvonen, J Backman
- Tue 331 CYP2D6 genetic polymorphism has an impact on the pharmacokinetics of carvedilol in Korean subjects
Seul-Ki Keum, (South Korea), J-W Bae, C-G Jang, S-Y Lee
- Tue 332 Gliclazide pharmacokinetics in relation to CYP2C19 genotype in healthy Koreans
Seul-Ki Keum, (South Korea), C-I Choi, J-W Bae, C-G Jang, S-Y Lee
- Tue 333 Pharmacokinetic and pharmacodynamic alterations of omeprazole in relation to CYP2C19 genotype
Seul-Ki Keum, (South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Tue 334 Knowledge, Attitude and Perception (KAP) Study on Clinical Trial of Pharmaceuticals and Informed Consent in Korea
Kyung-Soo Kim, (South Korea), SH Lee, BI Choe, CM Kim
- Tue 335 Comprehensive genotyping of drug metabolizing enzymes and transporters for the assessment of pharmacokinetics and pharmacodynamics of atorvastatin
Suk-Ran Kim, (South Korea), H-H Won, J-W Kim, J-W Ko, W Huh, S-C Lee, H-G Kim, S-Y Lee

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- Tue 336 Individual differences of CYP2C19 mRNA expression in the small intestine of Japanese subjects
Yuichi Kinoshita, (Japan), M Hayashi, N Matsuomoto, Y Tkeba, T Kumai
- Tue 337 CYP2D6 mRNA expression and genetic polymorphism in the small intestine of Japanese
Shinichi Kobayasi, (Japan), S Takenosihita-Nakaya, Y Kinoshita, N Matsumoto, Y Takeba
- Tue 338 Pharmacokinetic and pharmacodynamic Modelling of denopamine in patients with congestive heart failure
Yuichi Koike, (Japan), N Yonehara
- Tue 339 Racemic ketoprofen induces more injection pain than dexketoprofen
Hannu Kokki, (Finland), T Saarelainen, M Kokki,
- Tue 340 *In vitro* evaluation of linezolid and novel oxazolidinone actions on central nervous system neurones
Samuel Kombian, (Kuwait), O Phillips
- Tue 341 Bioequivalence study of two oral preparations, thyrosit (100 ug levothyroxine sodium) vs eltroxin (100 µg anhydrous thyroxine sodium) in patients who have hypothyroidism with euthyroid in steady state
Supornchai Kongpattanakul, (Thailand), S Vannasaeng, K Sathirakul, S Chatsiricharoenkul
- Tue 342 Pharmacokinetic study of immediate and prolonged generic molsidomine formulations
Jiri Kopecky, (Czech Republic), D Kholova, A Polaskova, J Zoulova, I Zubata, K Macek, J Chladek, J Kvetina
- Tue 343 Novel candidates for replacement of standard acetylcholinesterase reactivators – antidotes in case of nerve agent and pesticide poisonings
Kamil Kuca, (Czech Republic), K Musilek, D Jun, J Kassa, M Pohanka, J Cabal, J Zdarova-Karasova
- Tue 344 Preparation, characterization & evaluation of solvatomorphs of atorvastatin
Astha Kuhad, (India), R Chadha
- Tue 345 Type and prevalence of serious adverse events in phase I trials performed in Japan
Yuji Kumagai, (Japan), T Momma, I Fukazawa, H Iijima
- Tue 346 How to view JUPITOR
Cyrus Kumana, (PR China), HF Tse, CP Lau
- Tue 347 CYP2D6 genotype: effect on serum levels, response and side effects of venlafaxine
Lazara Montane Jaime, (Trinidad & Tobago), A Lalla
- Tue 348 Influence of gender on clopidogrel disposition in healthy volunteers
O Laosa, Alberto M Borobia, (Spain), B Mosquera, SH Lei, JL Lopez-Durán, P Guerra-López, AJ Carcas-Sansuán, J Frías-Iniesta
- Tue 349 Pharmacokinetic comparisons of sustained- and immediate-release oral formulations of cilostazol in healthy Koreans
Donghwan Lee, (South Korea), LA Lim, SB Jang, YJ Lee, H Son, J Chung, K Park
- Tue 350 CYP2C9*3 and *13 alleles significantly affected the pharmacokinetics of celecoxib in healthy Korean subjects
Seok-Yong Lee, (South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Tue 351 Genetic polymorphisms of CYP2C9 and their influences on warfarin sensitivity in mechanical heart valve replacement patients
Su-Jun Lee, (South Korea), YJ Jang, E-Y Cha, H-S Kim, M-S Hwang, J-G Shin

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- Tue 352 Identification of CYFC19A1 single nucleotide polymorphisms in Koreans and comparative analysis of functionally important CYFC19A1 variants with different ethnic groups
Su-Jun Lee, (South Korea), W-Y Kim, I-S Jung, J-Y Choi, SS Lee
- Tue 353 The thiopurine methyltransferase *TPMT* *1/*3A genotype is associated with a better treatment outcome for children with acute lymphoblastic leukaemia
Lynne Lennard, (UK), C Cartwright, R Wade, S Richards, C Mitchell, T Eden, J Lilleyman, A Vora
- Tue 354 Maximising benefits and minimizing side effects of acetylsalicylic acid by using antioxidant drug thiothiazolin
Anton Levykh, (Ukraine), V Mamchur
- Tue 355 The test dose - how to be a more valuable and reliable predictor?
Nianzhi Li, (UK), J Aronson
- Tue 356 Does definition of medication errors have any impact at prevalence? A systematic review of definitions
Marianne Lisby, (Denmark), LP Nielsen, B Brock, J Mainz
- Tue 357 How should medication errors be defined: a systematic approach to terminology, concepts and definitions – applied in a clinical setting
Marianne Lisby, (Denmark), J Mainz, B Brock, LP Nielsen
- Tue 358 The effect of systematic medication review in patients admitted to an acute medical department
Marianne Lisby, (Denmark), A Thomsen, LP Nielsen, NM Lyhne, C Breum-Leer, H Jørgensen, B Brock
- Tue 359 Metallic silver ignites inflammation and causes toxic cavity formation in the brain
LJ Locht, Agnete Larsen, (Denmark), MØ Pedersen, S Markholt, BM Bibby, M Penkowa, M Stoltenberg

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SYNAPTIC EVENTS IN BRAIN FUNCTION

- Tue 360 Effects of acute and chronic treatment with attention-deficit/hyperactivity disorder drugs on monoaminergic transmission in mice
Ken Koda, (Japan), Y Ago, Y Cong, K Takuma, T Matsuda

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GENERAL SESSION

- Tue 361 Analgesic activity of the aqueous seed extract of *Hunteria umbellata* (K. Schum.) Hallier f. (Apocynaceae) in rodents
Olufunmilayo Adeyemi, (Nigeria), A Adeneye, T Alabi
- Tue 362 Effect of environmental temperature on norepinephrine-induced contraction in isolated chicken cubital vein: gender variation
Simon Comerma-Steffensen, (Venezuela), J Rojas, A Risso, M Rossini, V De Babilio, H Zerpa
- Tue 363 Drugs used for the treatment of type 2 diabetes mellitus in Finland during the years 2004-2009
Annikka Kalliokoski, (Finland), LK Saastamoinen, JE Martikainen
- Tue 364 Detecting stimulant and sedative properties of drugs using home cage tracking in rats
John Kelly, (Ireland), F Dunne, A O'Halloran, K Lane, J Simpson
- Tue 365 Two glutathione S-transferase inhibitors from *Radix Angelicae Sinensis*
Shaoping Li, (PR China), F Huang, X Lu, A Liu, G Du

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GENERAL SESSION

- Tue 366 The role of endogenous adenosine on mechanism of citalopram-induced cardiovascular toxic effects
K Oransay, N Hocaoglu, Mujgan Buyukdeligoz, (Turkey), Y Tuncok, S Kalkan
- Tue 367 Safety of herbal products: data from the Serbian pharmacovigilance database
Marija Petronijevic, (Republic of Serbia), K Ilic, I Kovacevic
- Tue 368 Provocation-based learning (PBL) in large classes: promising?
Patangi Rangachari, (Canada), S Nastos
- Tue 369 Experimental study of effects of triphasic oral contraceptive pills on fluctuations tear
Khatereh Safavi Naeini, (Iran)
- Tue 370 The study of effect of iohexol on Schirmer tear test values in clinically normal cattle
Aboutorab Tabatabaei Naeini, (Iran), J Ceverie
- Tue 371 Phytoestrogenic effects of catalpol in T47D and MDA-MB231 cells in culture
Jifeng Wang, (PR China), J Niu, Q Hao, P Zhao

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GENERAL SESSION - AIRWAY

- Tue 372 *In vivo* [¹¹C]PK11195 PET imaging as a biomarker to assess lipopolysaccharide-induced lung inflammation in rat
Sidath Katugampola, (UK), A Zhu, K Zasadny, M Callahan, C Proctor-Brown, K Kuszpit, T Bocan
- Tue 373 The effect of inhaled KP-496, a novel antagonist for cystenyl leukotriene receptor and thromboxane A₂ receptor, on experimental allergic asthma in guinea pigs
Hiroichi Nagai, (Japan), M Suda, T Okuda, M Ishimura, S Kurokawa, T Nakamura, Y Takahasi, H Tanaka

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GENERAL SESSION - BIOLOGICS

- Tue 374 Effects of (-)-epigallocatechin gallate on RPE cell migration and adhesion
Chi-Feng Hung, (Taiwan), C-M Chan, H-H Lin
- Tue 375 Involvement of 5'-AMP-activated protein kinase in proliferation and survival of neural stem/progenitor cells
Nobuyuki Kuramoto, (Japan), S Sano, N Tanaka, M Yoneyama, R Nagashima
- Tue 376 Edaravone promotes the proliferation/survival of neural progenitor cells after granule cell loss in the hippocampal dentate gyrus of mice
Tatsuo Shiba, (Japan), K Kawada, M Yoneyama, K Ogita
- Tue 377 Nicotinic acetylcholine receptor stimulation enhances the DNA synthesis and proliferation of mouse induced pluripotent stem cells
Yasuhiro Watanabe, (Japan), T Ishizuka, T Hiramoto
- Tue 378 Structural alterations of PKC ϵ gene promoter by cytosine methylation decreases SP1 binding affinity
Shumei Yang, (USA), J Tenayuca, L Zhang

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- Tue 379 Dual regulation of hepatocyte apoptosis by reactive oxygen species: increased BimEL expression downstream of ERK and suppressive BimEL degradation by proteasome inhibition
Yasuhiro Ishihara, (Japan), M Sekine, K Takeuchi, F Ito, N Shimamoto
- Tue 380 Analysis of gene expression in the spontaneously cartilage calcification insufficient (CCI) rat
Masami Tanaka, (Japan), I Yokomi, M Watanabe, K Sudo, H Satoh, A Seki, S Kobayashi

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- Tue 381 Modulated human maternal and premature neonatal erythrocyte membrane enzyme activities: in vitro restoration by L-carnitine
K Schulpis, G Vlachos, A Antsaklis, Charis Liapi, (Greece), V Stolakis, S Tsakiris
- Tue 382 Effect of Rhynchophylline on platelet aggregation and cytoplasmic free calcium level in rabbit platelets
Jing-Shan Shi, (PR China), Z-L Xie, M Wu, Q Wu, Z-N Huang

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Focused Conf. FC19 GENERAL SESSION - HEPATOLOGY

- Tue 383 Lovastatin prevents carcinogenesis in a rat model for liver cancer. Effects of ubiquinone supplementation.
Linda Björkhem-Bergman, (Sweden), J Acimovic, U-B Torndal, P Parini, L Eriksson
- Tue 384 A study on the protective mechanism of tibn medicine potentilla anserina on experimental liver injury
Guangming Cai, (PR China), Z Zhu, X Fu
- Tue 385 Effect of siRNA-mediated knockdown of ALDH2 on GTN-induced cGMP formation in PK1 cells
Yohan D'Souza, (Canada), BM Bennett
- Tue 386 Potential antifibrotic effects of losartan or silymarin coadministration with praziquantel against experimental Schistosoma mansoni-induced liver fibrosis
Naglaa El-Lakkany, (Egypt), W El-Maadawy, A Ain-Shoka, A Badawy, F Ebeid
- Tue 387 Congenital-neonatal hypothyroidism impacts hepatic lipid metabolism in adulthood
Leandro Fernández-Pérez, (Spain), R Santana-Farré, L Henríquez-Hernández, C Bocos, N Kahlon, N Gunnar, P Parini, A Flores-Morales
- Tue 388 Characterization of metabolites and cytochrome P450 isoforms involved in the microsomal metabolism of aconitine
Yue Gao, (China)
- Tue 389 Roles of DNA damage and inflammation in the gender-selective liver carcinogenicity of 4-aminobiphenyl in mice
Denis Grant, (Canada), K Sugamori, A Emami, S Wang, D Brennehan
- Tue 390 An acyclic retinoid, NIK-333, accelerates liver regeneration and lowers serum transaminase activities in 70% partially hepatectomized rats in vivo
Mitsutoshi Kimura, (Japan), N Ishibashi, S Yanagida, M Ogihara

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GENERAL SESSION - HEPATOLOGY

- Tue 391 Estradiol interacts with growth hormone and thyroid hormones to regulate the expression of suppressors of cytokine signalling (SOCS) in liver
Ruymán Santana-Farré, (Spain), A Flores-Morales, G Norstedt, L Fernández-Pérez
- Tue 392 Influence of estradiol on growth hormone-regulated liver transcriptome in male rats
Ruymán Santana-Farré, (Spain), A Flores-Morales, M Mirecki-Garrido, G Norstedt, L Fernández-Pérez
- Tue 393 Inhibitory effects of schisandrin A and schisandrin B on CYP3A activity
Hua-Wen Xin, (PR China), W-L Li, M-W Su

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GENERAL SESSION - ONCOLOGY

- Tue 394 An increased precryopreservation time reduces the feasibility and the recount of the CD34(+) cells of the umbilical cord blood.
Inmaculada Bellido, (Spain), L Ponce, MC Hernández, M Barrios, I Prat
- Tue 395 Impact of ABCB1 variants on neutrophil depression: a prospective study
Troels K Bergmann, (Denmark), C Brasch-Andersen, H Gréen, M Mirza, K Skougaard, N Keldsen, P Damkier, C Peterson, W Vach, K Brøsen
- Tue 396 Ionizing radiation alters the bone marrow microenvironment by inducing senescence of mesenchymal stromal cells
Cynthia Carbonneau, (Canada), G Despars, A Fortin, O Le, T Hoang
- Tue 397 Temozolomide induces apoptosis and autophagy in glioma cells
A Carmo, H Carvalheiro, Maria Celeste Lopes, (Portugal)
- Tue 398 Indole-3-carbinol attenuates migration and invasion of breast cancer cells by blocking the ERK/Sp1-mediated MMP-2 gene transcription
Hui-Chiu Chang, (Taiwan)
- Tue 399 Peptide-conjugated biodegradable nanoparticles as a carrier to target paclitaxel to tumor neovasculature
Hong-Zhuan Chen, (PR China), D-H Yu, Q Lu, J Xie, C Fang
- Tue 400 Cryptotanshinone has opposite cell cycle-arresting effects on melanoma cells of different metastatic capacity
L Chen, S-Z Zheng, A-Y Wang, Lu Yin, (PR China)
- Tue 401 Pulmonary toxicity of bleomycin involved in upregulation of lysyl oxidase activity in cultured human fetal lung fibroblasts
Lijun Chen, (PR China), S Li, X Su, G Lin
- Tue 402 The mechanism of MNNG-induced-apoptosis: AMPK could be a transmitter from PARP activation to mitochondrial dysfunction
Yi-Cheng Chen, (Taiwan), J-H Guh
- Tue 403 The relationship between MEKK1 and carcinogenesis & development of pancreatic cancer
Xiaoguang Cheng, (China), F Su, K Li, Y Zhang, C Yan
- Tue 404 Novel imidazo[1,2-a]pyridines in the induction of colonic cell differentiation and apoptosis
Nurit Dahan-Farkas, (South Africa), C De Koning, L Harmse, H Davids
- Tue 405 New HPLC-mass spectrometry method for the simultaneous quantification in human plasma of the antileukemia drugs Imatinib, Dasatinib, and Nilotinib
Silvia De Francia, (Italy), A D'Avolio, F De Martino, E Pirro, F Piccione, F Di Carlo

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GENERAL SESSION - ONCOLOGY

- Tue 406 Beer polyphenols against human glioblastoma: effects of xanthohumol on T98G cell apoptosis
Michela Festa, (Italy), A Capasso, L Parente, CW D'Acunto, C Pizza
- Tue 407 Morphological evaluation of rat liver tissue after the subcutaneous injection of 1,2-dimethylhydrazine
Ana Fortuna, (Portugal), R Direito, G Alves, J Sousa, A Falcão
- Tue 408 HPLC method development for the simultaneous determination of Arabinoside-C and Doxorubicin concentrations in human serum
Suew Hua Gan, (Malaysia), AF Mistiran, AD Abdullah,
- Tue 409 Cytotoxic activity of bioactive fractions of bioactive fractions of *Asparagus officinalis* L.
M^a Dolores García-Gimenez, (Spain), R De la Puerta, MA Fernández-Arche, MT Saenz-Rodríguez
- Tue 410 Characterization of a lipid kinase involved in the synthesis of alkyl lysophosphatidic acid
Amanda Gellett, (USA), Y Kharel, K Lynch
- Tue 411 HGF/c-Met overexpressions, but not Met mutation, correlates with progression of non-small cell carcinomas
Mukaddes Gumustekin, (Turkey), A Kargi, G Bulut, A Gozukizil, C Ulukus, N Atabey
- Tue 412 Haishengsu extracted from *Tegillarca granosa* inhibits cell growth of human hepatic cancer in nude mice
Yantao Han, (PR China), X Chen, Z Han, P Li, J Tong
- Tue 413 Arachidonic acid promotes glutamate-induced cell death associated with necrosis through 12-lipoxygenase activation in glioma cells
Yoshihiro Higuchi, (Japan), M Hashii, H Tanii, Y Koriyama
- Tue 414 The effects of azole-based heme oxygenase inhibitors on breast cancer growth and metastasis in vivo
Maaike Hum, (Canada), RA Dercho, S Nagy, JZ Vlahakis, WA Szarek
- Tue 415 Nerve growth factor (NGF) prevents tumor growth
Hiromu Kawasaki, (Japan), M Goda, S Takatori, Y Zamami, N Hobara
- Tue 416 The effect of estrogen supplementation on cell proliferation and distribution of prostatic interstitial cells in the rat prostate
Snezana Kusljic, (Australia), B Exintaris
- Tue 417 Role of cortistatin in modulating the growth of colon cancer cells
Francis FY Lam, (PR China), ESK Ng, CH Cho
- Tue 418 XJ-6-A inhibits tumor invasion and metastasis and its potential molecular mechanisms
Xuejun Li, (PR China), Y Cao
- Tue 419 Preparation of monoclonal antibodies by in vivo electroporation-assisted HE4 gene immunization in mice
H Luan, X Gao, J Fu, Z Ma, L Dong, Haifeng Song, (PR China)
- Tue 420 Chemoenzymatic synthesis of new diazabicyclic amides of 12-phenylacetylricinoleic acid and in vitro antineoplastic activity in mouse and human leukemic cells
Axel Luviano, (Mexico), R Tiburcio, I Aguiñiga, P Demare, M López, I Monsalvo, I Castillo, E Santiago, I Regla
- Tue 421 Undernourished patients with head-neck cancer and PEG in adjuvant radioterapy
Eva Mala, (Czech Republic), E Buresova, I Krcmova, J Novosad, J Krejsek, R Cap, L Sobotka

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- Tue 422 Candida albicans induces proliferation and neurosphere formation from mouse retinal progenitor cells
Victoria Maneu, (Spain), C Murciano, ML Gil, A Yáñez, D Gozalbo
- Tue 423 Anticancer effect of horse chestnut extract
Gabriela Mojziso, (Slovak Republic), J Mojzis, L Varinska, M Pilatova, A Bomba
- Tue 424 Study of noscapine-induced cell death in hepatocellular carcinoma cell line
Seyed Hadi Mousavi, (Iran), H Parsaee, Z Tayarani-Najaran,
- Tue 425 Study on the phytoestrogenic effects of ferulic acid
Jianzhao Niu, (PR China), J Wang, Q Hao, P Zhao
- Tue 426 Effect of topiramate on tumor angiogenesis and serum proteome of mice bearing Lewis lung carcinoma
Yan Pan, (PR China), B Ma, X Yang, H-M Yu, X-J Li
- Tue 427 Acetylation of p53 by histone deacetylase inhibitors sensitizes lung cancer cells to ionizing radiation induced cell death
In-Chul Park, (South Korea), S-K Seo, H-O Jin, T-B Choe
- Tue 428 Antitumoral and antimetastatic activities of a proteolytic fraction from *Carica candamarcensis* latex
Miriam Teresa Paz Lopes, (Brazil), D Dittz, C Figueiredo, CTR Viana, CE Salas
- Tue 429 Novel Pim kinase inhibitor impairs Pim-dependent stimulation of cancer cell motility
Niina Santio, (Finland), R Vahakoski, E Rainio, S Virtanen, J Sandholm, F Anizon, P Moreau, P Koskinen
- Tue 430 Role of cardiac mitochondrial nitric oxide-cGMP pathway on rat cardiomyocyte apoptosis
Kazuhiko Seya, (Japan), K Ono, S Fujisawa, S Motomura, K-I Furukawa
- Tue 431 Study in vitro of the mechanism of action by which coumarin and 7-hydroxycoumarin promotes apoptosis in two human lung adenocarcinoma cell lines
Maribel Soto-Núñez, (Mexico), P Cuautle-Rodríguez, JA Molina-Guarneros,
- Tue 432 The mechanism of gingival overgrowth as a side effect of nifedipine
Reiri Takeuchi, (Japan), H Matsumoto, Y Akimoto, A Fujii
- Tue 433 Isophthalic acid derivatives targeted to the C1 domain of PKC induce cell cycle arrest in HeLa cells
Virpi Talman, (Finland), E Ekokoski, A Olli, G Boije af Gennäs, J Yli-Kauhaluoma
- Tue 434 HPLC method development & validation for the determination of Imatinib Mesylate in human serum
Ka Liong Tan, (Malaysia), R Hassan, SH Gan
- Tue 435 Gene expression profiling of human mesenchymal stem cells for identification of surrogate markers for in vitro culture stage
Shihori Tanabe, (Japan), Y Sato, T Suzuki, T Yamaguchi, K Suzuki
- Tue 436 High-throughput screening for novel prostate cancer drug targets
Paula Vainio, (Finland), K Ketola, J-P Mpindi, S Kilpinen, P Kohonen, S Gupta, M Perälä, O Kallioniemi, K Iljin
- Tue 437 Oncology clinical trials in Croatia
Dinko Vitezic, (Croatia), M Lovrek, S omic,
- Tue 438 Development of an in vitro assay to evaluate sunscreen efficacy
Nicole Walter, (Switzerland), C Surber, G Kunze,

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GENERAL SESSION - ONCOLOGY

- Tue 439 Investigations on the antitumor effects and mechanisms of 13 compounds
Juan Wang, (PR China), XH Chen
- Tue 440 Apoptosis of U937 cells induced by Brucea javanica oil emulsion
Chunfu Wu, (PR China), H Zhang, J Yang, L Wang, F Zhou
- Tue 441 AST1306, a novel irreversible inhibitor of the epidermal growth factor receptor 1 and 2, exhibits antitumor activity both in vitro and in vivo
Hua Xie, (PR China), L Lin, Y Jiang, J Guo, J Ding
- Tue 442 Direct antiproliferative effect of novel nonsteroidal 17 β -hydroxysteroid dehydrogenase type 1 inhibitors
István Zupkó, (Hungary), A Berényi, S Marchais-Oberwinkler, M Frotscher

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GENERAL SESSION - TOXICOLOGY

- Tue 443 Ultraviolet action spectrum and effect of EPC-K1 on ultraviolet-radiation-induced injury in cultured NHEK
Kayo Aoki, (Japan), T Nakanishi-Ueda, M Tsuji, T Okuno, K Oguchi
- Tue 444 Melamine migration from melamine food contact articles available on the Malaysian market
Zamri Chik, (Malaysia), DEM Haron, MA Mohamad, ED Ahmad, H Taha
- Tue 445 Topotecan vitreous levels after periocular or intravitreal delivery in healthy albino rabbits: an alternative for advanced retinoblastoma chemotherapy
Denisa Darsova, (Czech Republic), P Pochop, E Klapkova, D Kodetova, H Tesfaye, L Vajner
- Tue 446 Oxaliplatin-dependent neuropathy in the rat: pain behaviour and peripheral nervous system alterations
Lorenzo Di Cesare Mannelli, (Italy), L Bonaccini, A Pacini, C Ghelardini, A Bartolini
- Tue 447 Role of sister chromatid exchange analysis in assessment of proguanil genotoxicity in cultured human lymphocytes
Domagoj Dinter, (Croatia)
- Tue 448 Synthesis of new detergents derived from quaternary ammonium salts as a part of disinfection and decontamination means
Daniel Jun, (Czech Republic), J Marek, K Musilek, J Cabal, O Soukup, M Pohanka, P Stodulka, K Kuca
- Tue 449 Adenosine mediated - cardiovascular toxicity in amitriptyline poisoning rats
S Kalkan, Nil Hocaoglu, (Turkey), K Oransay, M Buyukdeligoz, Y Tuncok
- Tue 450 Does amitriptyline, a tricyclic antidepressant, bind to adenosine A₁ or A_{2a} receptors?
S Kalkan, H Gurdal, M Buyukdeligoz, Nil Hocaoglu, (Turkey)
- Tue 451 Potentiating α -lipoic acid hepatoprotective effect by l-Carnitine and Methylsulfonylmethane in Bromobenzene- induced hepatotoxicity in rats
Dina Mansour, (Egypt), SA Nada, ES El-denshary, AK Bahgat, EA Omara
- Tue 452 Thymoquinone from Nigella sativa induces apoptosis in SiHa cells via p53-dependent pathway
Wei Keat Ng, (Malaysia), L Saiful Yazan, M Ismail
- Tue 453 Lead poisoning after gunshot injuries in lower part of body: a case report
Lokendra K Sharma, (India), S Kochar, K Sharma, M Mathur, S Dutta
- Tue 454 Interaction of silymarin and doxorubicin in rat
Nebojsa Stilinovic, (Republic of Serbia), R Sederino, A Raskovic, M Mikov, V Jakovljevic

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POSTER HALL

GENERAL SESSION - TOXICOLOGY

- Tue 455 Gas chromatography mass spectrometry (GC/MS) method optimization & validation for detection of Paraquat
Suk Peng Tang, (Malaysia), SA Sulaiman, SH Gan
- Tue 456 The anticancer and metal chelating properties of 8-hydroxyquinoline derivatives
Robyn Van Zyl, (South Africa), A Hibbins, M McLaverty
- Tue 457 Determination of pseudocholinesterase serum activity among Agrinion pesticide applicators pre- and post-exposed to organophosphates (Fenthion and Dimethoate)
Haris Carageorgiou, (Greece), G Vrioni, H Souki, K Kasiotis, M Katramadou
- Tue 458 Chemical form of metals underlying potential cytotoxicity of metal-containing traditional medicines in various cell lines
Qin Wu, (PR China), Y-F Lu, J-Z Shi, J Liu
- Tue 459 Nasal instillation of nanoparticle-rich diesel exhaust particle affects emotional behavior and learning capability in rats
Syunji Yokota, (Japan), H Takashima, T Miyahara, Y Yoshida, T Negura, N Hirabayashi, T Watanabe, R Ohta, S Horiuchi, Y Fujitani, S Hirano, H Fujimaki

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Workshop

W02

POSTER HALL

SYMPOSIUM ON ADVANCES IN GI PHARMACOLOGY

- Tue 460 Mechanisms underlying the modulation of gut permeability by cannabinoids
Abdussalam Alhamoruni, (UK), K Wright, A Lee, M Larvin, S O'Sullivan
- Tue 461 Evaluation of the pro-ulcerogenic effect of Atorvastatin on Indomethacin induced gastric injury in rats
Ilkay Alp, (Turkey), O Uyanik, H Ozyogurtcu, A Gurel, P Atukeren, A Kapucu, C Demirci, O Ozdemir, BSU Dogan
- Tue 462 Pro-apoptotic and anti-proliferative mechanisms of STW 5
G Bonaterra, S Zügel, W Hildebrandt, Olaf Kelber, (Germany), D Weiser, J Metz, R Kinscherf
- Tue 463 α L-Tryptophan rich diet improves ulcer healing via endogenous melatonin, prostaglandins and downregulation of hypoxia inducible factor 1 α (HIF-1)
Tomasz Brzozowski, (Poland), A Ptak-Belowska, R Pajdo, S Kwiecien, M Pawlik, PC Konturek, WW Pawlik, SJ Konturek
- Tue 464 Could vitamin K2 guard against experimentally induced gastric stress ulcers in rats
Inas Darwish, (Egypt), A Mohamed, H Abdel Aziz
- Tue 465 Cannabidiol controls intestinal inflammation through the modulation of enteric glial cell activation
Daniele De Filippis, (Italy), G Esposito, M Cipriano, C Scuderi, J De Man, T Iuvone
- Tue 466 Protective effect of VEGF on ethanol-induced hemorrhagic gastric erosions in rats
Xiaoming Deng, (USA), X Xiong, Z Sandor, S Szabo
- Tue 467 Enhancement of aspirin-induced gastric bleeding by pretreatment of clopidogrel, an anti-platelet drug, in rats: prophylactic effects of antiulcer drugs
Chitose Izuhara, (Japan), K Yamazaki, H Nishio, K Amagase, K Takeuchi
- Tue 468 Tetrodotoxin induces mouse colonic contraction in vitro through blockade of enteric inhibitory innervation
Takio Kitazawa, (Japan), Y Okuno
- Tue 469 Evaluation of calcium channel antagonist activity of some new 9,10 dihydro-7H,8H-chromeno [4,3-b] chromene-6,11-dione
Mohammad Miri, (Iran), M Sharifi, A Bagheri, R Motamedi, A Shafiee

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Workshop

W02

SYMPOSIUM ON ADVANCES IN GI PHARMACOLOGY

Tue 470

Generation of gut-like tissue from induced pluripotent stem cells that can be applied for functional characterization

Kazuhiko Oishi, (Japan), Y Ogawa

Tue 471

The cannabinoid, WIN55,212, reduces pacemaker frequency in the gastric antrum of conscious ferrets; a potential mechanism for cannabinoid-induced gastroparesis

N Percie du Sert, Wing Sze Vanessa Ho, (UK), JA Rudd, PLR Andrews

Tue 472

Cogitum effects at the experimental gastropathy

Ivan Savenko, (Russian Federation), A Sergienko

Tue 473

Importance of acid inhibition for gastroesophageal reflux disease with low-dose aspirin

Mitsushige Sugimoto, (Japan), M Nishino, C Kodaira, M Yamade, T Uotani, K Umemura, H Watanabe, T Furuta

Tue 474

Multiple effects of L-ascorbic acid on conjugation reactions in colon carcinoma cells

Hiroomi Tamura, (Japan), H Tsuruta, M Shimizu

Tue 475

Incidence, severity and aetiology of drug-induced acute pancreatitis

Karel Urbánek, (Czech Republic), I Vinklerová, D Hajdu, V Procházka

Tue 476

Protection of cathelicidin-encoding *Lactococcus lactis* in murine ulcerative colitis

Clover Ching Man Wong, (Hong Kong), CH Cho

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POSTER HALL

Workshop

W11

NEW OPPORTUNITIES IN THE PHARMACOLOGY OF NEURO-IMMUNE INTERACTIONS

Tue 477

Expression change in nicotinic receptor according to cellular maturity of antigen presenting cell line

Yukiko Kondo, (Japan), E Tachikawa, S Ohtake, K Kudo, K Mizuma, Y Irie, E Taira

Tue 478

Candida albicans increases TLR2 mRNA expression in mouse retinal progenitor cells

Victoria Maneu, (Spain), C Murciano, ML Gil, A Yáñez, D Gozalbo

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POSTER HALL

Workshop

W14

TRANSLATING THE HUMAN GENOME: FROM ORPHAN G-PROTEIN COUPLED RECEPTORS TO NOVEL THERAPEUTIC TARGETS

Tue 479

The IUPHAR Database: tools to navigate pharmacological space

JL Sharman, (UK), CP Mpamhanga, WA Catterall, Anthony P Davenport, RR Neubig, JA Peters, M Spedding, A Harmar

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POSTER HALL

Workshop

W23

APPLYING PHARMACOGENOMICS (PGX) FROM RESEARCH INTO CLINICAL PRACTICE: PRESENT AND FUTURE

Tue 480

DPYD polymorphisms and adjuvant 5-FU/LV treatment outcome in colorectal cancer patients

Shoaib Afzal, (Denmark), SA Jensen, B Vainer, U Vogel, JB Sørensen

Tue 481

The study of CYP2C19 polymorphisms in Romanian epileptic patients

Anca Dana Buzoianu, (Romania), IC Bocsan, FC Militaru, R Popp, A Trifa

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Focused Conf. W23

APPLYING PHARMACOGENOMICS (PGX) FROM RESEARCH INTO CLINICAL PRACTICE: PRESENT AND FUTURE

- Tue 482 Genetic variation in the hTAS2R38 taste receptor and Brassica vegetables intake
Nela Gorovic, (Denmark), S Afzal, A Tjønneland, K Overvad, U Vogel, HE Poulsen
- Tue 483 CYP2D6 mRNA expression and genetic polymorphism in the small intestine of Japanese
Shinichi Kobayashi, (Japan), S Takenoshita-Nakaya, Y Kinoshita, N Matsumoto, Y Takeba
- Tue 484 Impact of CYP2D6 and CYP3A5 gene polymorphisms on pharmacokinetics of oxycodone and its demethylates and dose escalation rate in cancer patients
Takafumi Naito, (Japan), K Yamamoto, Y Takashina, M Tashiro, Y Kagawa, J Kawakami
- Tue 485 Distribution and genotype frequency of the SNP 45T/G polymorphism in Iranian population: progression to diabetes and response to pioglitazone
Fatemeh Namvaran, (Iran), P Rahimi-Moghaddam, N Azarpira
- Tue 486 Renal secretion clearance of N1-methylnicotinamide as an endogenous biomarker for tubular organic cation transporter type 2 activity in man
Ryuichi Ogawa, (Japan), Y Nobuoka, H Echizen
- Tue 487 Role of ace and MTHFR genes polymorphisms in migraine
V Pizza, A Bisogno, E Lamaida, A Agresta, G Bandieramonte, R Galasso, L Galasso, Anna Capasso, (Italy)
- Tue 488 Polymorphism gene apolipoprotein E in migraine and cardiovascular disease
V Pizza, F Infante, G Schiavo, A Agresta, C Colucci d'Amato, Anna Capasso, (Italy)
- Tue 489 Interethnic and gender dependent differences in CYP2C19 activity. A comparison between Swedes and Koreans
Margareta Ramsjö, (Sweden), E Aklillu, L Bohman, M Ingelman-Sundberg, H-K Roh
- Tue 490 Impact of CYP2D6 genetics on serum concentration of escitalopram in relation to CYP2C19 genotype
Ida Rudberg, (Norway), M Hermann, H Refsum, E Molden
- Tue 491 Impact of CYP3A5 and ABCB1 gene polymorphisms on plasma disposition of fentanyl and its clinical responses in cancer patients with opioid switching to fentanyl transdermal system
Yoshiaki Takashina, (Japan), T Naito, Y Mino, K Ohnishi, J Kawakami
- Tue 492 VKORC1 and CYP2C9 genotyping using a rapid single nucleotide polymorphism (SNP) detection system named smart amplification process (SmartAmp) method
Minoru Watanabe, (Japan), N Matsumoto, T Kumai, M Tanaka, Y Mitani, S Kobayashi
- Tue 493 A multiplexed primer extension denaturing high performance liquid chromatography method for the identification of 3 ABCC2 (MRP2) genetic polymorphisms
Ian Westley, (Australia), J Coller, M Ward, A Evans, R Morris
- Tue 494 Lack of drug-drug interaction between ketoconazole and brivanib
Daphne Williams, (USA), S Syed, D Lathers, G Kollia, A Gupta, Y-Q Xia, E Masson

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Focused Conf.

FC10

DRUGS FOR HALF THE WORLD: PAEDIATRIC CLINICAL PHARMACOLOGY

- Wed 001 Risk factors for abnormal newborn hearing in the era of extended dose interval amikacin administration
Karel Allegaert, (Belgium), K Kneepkens, K Vandendriessche, F Debruyne, M Rayyan, C Desloovere
- Wed 002 Does the need for domperidone administration shortly after delivery affect the duration breastfeeding after preterm delivery?
Karel Allegaert, (Belgium), G Bosmans, M Vanhaver, V Cossey, A Debeer, K Janssens
- Wed 003 Population pharmacokinetics study of benzimidazole in children with Chagas disease
Jaime Altcheh, (Argentina), G Moscatelli, G Mastrantonio, S Moroni, N Giglio, H Freilij, F Garcia-Bournissen
- Wed 004 Bioavailability and bioequivalence of three different sirup formulations cefeleksine at children in therapy of severe tonsillitis
Adnan Bajraktarevic, (Bosnia Herzegovina), J Musabegovic, T Frankic, H Sladic, D Abduzaimovic
- Wed 005 Graphic and pictorial tables explaining drug's routes administration reduce the anxiety of the hospitalized children in the intensive care unit.
Inmaculada Bellido, (Spain), MV Bellido, A Gomez-Luque
- Wed 006 EUROPain – European pain audit in neonates – NeoOpioid Consortium
Lena Bergqvist, (Sweden), M Eriksson, KJS Anand, EM Boyle, H Lagercrantz, G Menon, B van Overmeire, M Keller, L Hellström-Westas, V Fellman, RHN van Schaik, J-P Osselaere, A Rane, J Schollin, R Carbajal
- Wed 007 Drugs use in paediatric population. Evaluation in two areas: neonatology and intensive care units
Encarnación Blanco, (Spain), I Bellido, EI Márquez, A Medina, JA González-Correa
- Wed 008 Documentation of recent drug history in children visiting a pediatric emergency clinic
Ylva Böttiger, (Sweden), E Kimland, S Lindemalm
- Wed 009 Diagnosis and treatment of seizures in the neonatal intensive care unit
N Cosic-Cerovac, Milca Prostran-Veselinovic, (Republic of Serbia), N Jovic, R Stojanovic, Z Stojanovic
- Wed 010 Therapeutic drug monitoring: hydroquinidine administration in a newborn infant with short QT syndrome. A case report
Silvia De Francia, (Italy), E Pirro, E Banaudi, C Riggi, F De Martino, F Di Carlo
- Wed 011 Nephrotic syndrome in children: genetic variability of the clinical presentation and therapeutic response
Valery Elie, (France), M Fakhoury, Y Medard, A Rousseau, G Deschenes
- Wed 012 The effects of phencyclidine new derivatives on anxiety behaviors in rats
Ramin Hajikhani, (Iran), J Solati, A Ahmadi, A-A Salari
- Wed 013 N-acetylcysteine as a novel prophylactic treatment for ifosfamide-induced nephrotoxicity in children; translational pharmacokinetics
Lauren Hanly, (Canada), N Chen, B Baw, B Malkin, M Culter, M Rieder, G Koren
- Wed 014 Expression of cytochrome P450 metabolizing enzymes depends on gestational age in critically ill preterm infants
Betty Kalikstad, (Norway), H Göransson, T Kristoffersen, A Isaksson

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POSTER HALL

DRUGS FOR HALF THE WORLD: PAEDIATRIC CLINICAL PHARMACOLOGY

- Wed 015 Modulation of gene expression in critically ill preterm infants following stress
Betty Kalikstad, (Norway), H Göransson, T Kristoffersen, A Isaksson
- Wed 016 Genotype-specific pharmacodynamics in BH4 responsive phenylketonuria
Florian B Lagler, (Austria), C Zsifkovits, SW Gersting, R Fingerhut, H Glossmann
- Wed 017 Pharmacokinetics and outcomes of gentamicin therapy in neonates critically ill during the first week of life: volumes of fluid infused or retained as possible covariates
Jirina Martinkova, (Czech Republic), P Pokorná, J Záhora, J Chladek, V Vobruba, J Chladkova
- Wed 018 Does budesonide applied in prevention of child asthma affect variations in body weight in asthmatic children?
Milica Martinovic, (Republic of Serbia),
- Wed 019 Does budesonide applied in prevention of child asthma decrease height velocity of asthmatic children?
Milica Martinovic, (Republic of Serbia), S Pantovic

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POSTER HALL

G PROTEIN-COUPLED 7TM RECEPTORS: FROM MOLECULAR TO PHYSIOLOGICAL FUNCTION

- Wed 020 Development of a P2X7 binding and *Ex vivo* occupancy assay in rat brain
Sarah Able, (UK), R Fish, L Booth, S Katugampola
- Wed 021 Cerebrovascular contractile receptors up-regulate via a Raf sensitive signalling pathway
Hilda Ahnstedt, (Sweden), L Edvinsson
- Wed 022 Pre-versus postsynaptic α 2A-adrenoceptors functions mediated via G α i-isoforms
Julian Albarran-Juarez, (Germany), R Gilsbach, R Piekorz, K Pexa, B Nürnberg
- Wed 023 Palmitoyl CoA antagonism of ADP-induced relaxation of rat thoracic aorta
Eman Alefishat, (UK), S Alexander, V Ralevic
- Wed 024 Muscarinic m3AChR is regulated by cGMP, via a PKG-II dependent phosphorylation in plasma membranes from tracheal smooth muscle
Marcelo J Alfonzo, (Venezuela), M Alfonzo-Gonzalez, RG Alfonzo, A Misle, IL Becemberg
- Wed 025 Role of receptor recycling in the recovery of Ca²⁺ signalling by recombinantly expressed neuromedin U 2 receptors (NMU2)
Khaled Al-Hosaini, (UK Of Great Britain And Nort), RAJ Challiss, GB Willars
- Wed 026 FRET-based evidence for ligand-independent preassociation of 5-HT₇ serotonin receptors with G_s
Kjetil W Andressen, (Norway), L Hommers, AH Ulsund, MJ Lohse, KA Krobert, FO Levy
- Wed 027 Antimitogenic and apoptotic effects of selective 5HT₃ receptor antagonist on HT29 colorectal cancer cell line.
Ramin Atae, (Iran), M Zarrindast, S Ajdary, S Sharyari
- Wed 028 REEP family members modulate α 2C-adrenoceptor expression by an ER interaction
Susann Björk, (Finland), C Hurt, B Kobilka, T Angelotti
- Wed 029 CRIP1a regulates CB1 cannabinoid receptor internalization and signal transduction
Lawrence C Blume, (USA), CC Bass, GD Dalton, DE Selley, A Howlett

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- Focused Conf. FC11 **G PROTEIN-COUPLED 7TM RECEPTORS: FROM MOLECULAR TO PHYSIOLOGICAL FUNCTION**
- Wed 030 Protein kinase C (PKC) regulation of type 5 metabotropic glutamate (mGlu5) receptor-stimulated Ca²⁺ oscillations in rat cerebrocortical astroglia
Sophie J Bradley, (UK), JM Watson, RAJ Challiss
- Wed 031 The inverse agonist effect of rimonabant in brain membranes is not mediated by the CB1 receptor
Luis F Callado, (Spain), AM Erdozain, R Diez-Alarcia, JJ Meana
- Wed 032 Modulation of ligand binding to the α 1B adrenergic receptor: a potential role for the second extracellular loop
Adrian Campbell, (Australia), I McDougal, R Griffith, A Finch
- Wed 033 Long-term cigarette smoke exposure induces bronchial hyperresponsiveness to G-protein coupled receptor agonists
Lei Cao, (Sweden), Y Zhang, Y-X Cao, L Edvinsson, C-B Xu
- Wed 034 mmLDL upregulates endothelin type A and type B receptors in rat basilar artery
Yong-Xiao Cao, (PR China), J Li, ZY Yuan, L Cao, CB Xu
- Wed 035 Activation of OX1, but not OX2, receptors in the periaqueductal gray produces antinociception via retrograde endocannabinoid-induced disinhibition
Lih-Chu Chiou, (Taiwan), Y-C Ho, H-J Lee, Y-Y Liao, S-Y Fu, H-T Liao
- Wed 036 Quantitative phosphoproteomics dissection of 7TM receptor Signalling using full and biased agonists
Gitte Lund Christensen, (Denmark), CD Kelstrup, C Lyngsøe, U Sarwar, R Bøgebo, S Gammeltoft, JV Olsen, JL Hansen,
- Wed 037 Receptor mechanisms of the long-lasting and persistent arterial contractile effects of Endothelin-1
Matthijs Compeer, (The Netherlands), M Meens, C Höltnke, W Neugebauer, J De Mey
- Wed 038 Behavioral effects of 5'-GNTI and 6'-GNTI in mice
Alan Cowan, (USA), S Inan
- Wed 039 Selective modulation by singlet oxygen of CCK1R and other G protein-coupled receptors in live cells
Zong Jie Cui, (PR China), Y Wang, TT Li, SF Zhang, B Nashun, ZQ Han
- Wed 040 Serotonin is involved in airway hyperreactivity at bovine tracheal smooth muscle
Darwin J Da Costa-Guevara, (Venezuela), E Trejo, M Alfonzo
- Wed 041 Lack of kinin receptors affected ACE expression in mice abdominal aorta
Eliete da Silva Rodrigues, (Brazil), RP Martin, JB Pesquero, SI Shimuta
- Wed 042 Role of β ₂-adrenoceptor on vascular inflammatory mediators and oxidative stress induced by isoproterenol treatment
Ana Paula Davel, (Brazil), C Wenceslau, G Ceravolo, MH Carvalho, P Brum
- Wed 043 Impact of ambient extracellular calcium on analysis and interpretation of agonism and allosteric modulation of the extracellular calcium sensing receptor (CaSR)
Anna E Davey, (Australia), K Leach, AD Conigrave, PM Sexton, A Christopoulos
- Wed 044 Crosstalk between GABAB and Group III mGlu receptors following intranigral drug administration in the reserpine-treated rat
Susan Duty, (UK), M Broadstock
- Wed 045 Taurine and its analogue tauropyrone: comparative pharmacological activities
Zane Dzirkale, (Latvia), J Pupure, J Rumaks, M Vanina, S Svirskis, MA Fernandes, G Duburs, R Muceniece, V Klusa

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G PROTEIN-COUPLED 7TM RECEPTORS: FROM MOLECULAR TO PHYSIOLOGICAL FUNCTION

- Wed 046 Functional expression of CB1 receptors in rat brain nuclear fractions
Leire Echeazarrra, (Spain), S Barrondo, GG del Caño, M Montaña, ML de Jesús
- Wed 047 The scaffold protein NHERF2 determines neuronal ion channel coupling of glutamate mGluR5 and nucleotide P2Y1 receptors
Alexander K Filippov, (UK), J Simon, EA Barnard, DA Brown
- Wed 048 The conserved proline of helix 6 plays a role in the folding and expression of α_{1B} and β_2 -adrenergic receptors
Angela M Finch, (Australia), SJ Humphrey, AP Campbell
- Wed 049 Angiotensin II modulates α_{1D} -adrenoceptors expression in vascular smooth muscle cells
Itzell Gallardo-Ortiz, (Mexico), P López-Sánchez, JJ López-Guerrero, M Ibarra, R Villalobos-Molina
- Wed 050 The effect of nociceptin on uterine contractions in term-pregnant rats in vitro
Robert Gaspar, (Hungary), A Klukovits, K Tekes, O Gunduz, S Benyhe, BH Deak, J Hajagos-Tóth, J Verli, G Falkay
- Wed 051 Stereoselectivity of the recombinant and native histamine H3 receptor isoforms : the H₃-autoreceptor is a short isoform
Florence Gbahou, (France), A Rouleau, S Morisset, J-M Arrang
- Wed 052 Interactions of SDF-1 and ADP in platelet activation
Olof Gidlöf, (Sweden), C Högberg, B Olde, D Erlinge
- Wed 053 From phylogeny to pharmacology; chemogenomic pharmacological GPCR clustering and ligand-inference
David Gloriam, (Denmark), S Garland
- Wed 054 Autocrine effects of extracellular cyclic AMP in skeletal muscle
Rosely Godinho, (Brazil), E Aparecida-Santos, AL Andrade-Lopes, T Chiavegatti
- Wed 055 Pseudo-irreversible allosteric modulators – mathematical models predicting their behaviour and a putative practical example
David Hall, (UK)
- Wed 056 Role of keratinocytes GPR109A and COX-2 in nicotinic acid and mono-methyl fumarate induced flushing
Julien Hanson, (Belgium), A Gille, S Zwykiel, M Lukasova, BE Clausen, S Tunaru, A Wirth, S Offermanns
- Wed 057 Understanding adrenomedullin binding to its receptors
Debbie Hay, (New Zealand), T Qi, K Ly, D Rathbone, J Simms
- Wed 058 Allosteric modulation of 'reproductive' GPCRs - a case for the luteinizing hormone receptor
Laura Heitman, (The Netherlands)
- Wed 059 The role of nitric oxide in the local antinociceptive effects and expression of cannabinoid-2 receptors during neuropathic pain in mice
A Hervera, R Negrete, S Leánez, J Martín-Campos, Olga Pol, (Spain)
- Wed 060 Change in feeding behavior by siRNAs for a NPY receptor into paraventricular nuclei
Hiroshi Higuchi, (Japan), T Shiiya, S-I Murase
- Wed 061 Ubiquitin/proteasome-dependent down-regulation following clathrin-mediated internalization of histamine H1-receptors in Chinese hamster ovary cells
Shigeru Hishinuma, (Japan), H Komazaki, H Fukui, M Shoji
- Wed 062 The platelet activator succinate - a possibly drug candidate for the future?
Carl Högberg, (Sweden), O Gidlöf, B Olde, D Erlinge

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G PROTEIN-COUPLED 7TM RECEPTORS: FROM MOLECULAR TO PHYSIOLOGICAL FUNCTION

- Wed 063 M3-muscarinic acetylcholine receptor stimulation of glucose uptake in L6 skeletal muscle cells: evidence for a CaMKK β -AMPK-dependent mechanism
Dana Hutchinson, (Australia), J Merlin, R Csikasz, B Evans, T Bengtsson
- Wed 064 GPR120 mediates high-fat diet-induced adipocyte hypertrophy and obesity
Atsuhiko Ichimura, (Japan), A Hirasawa, S Miyauchi, G Tsujimoto
- Wed 065 Possible involvement of β -endorphin in tolerance to fentanyl-induced anti-hyperalgesia under a pain-like state
Satoshi Imai, (Japan), M Narita, N Kuzumaki, LA Devi, Y Uezono
- Wed 066 5-HT_{2A} receptor Modelling and agonist design
Vignir Isberg, (Denmark), D Gloriam, T Balle, T Sander, FS Jørgensen
- Wed 067 Apelin is mainly regulated by HIF-1 α in astrocytes
Yuki Ishimaru, (Japan), A Kasai, Y Yoshioka, A Yamamuro, S Maeda
- Wed 068 Role of nitric oxide/cyclic GMP and cyclic AMP in the β -adrenoceptor vasorelaxant response
Maria Dolores Ivorra, (Spain), N Flacco, S Estrada, M Perez-Aso, P D'Ocon
- Wed 069 5-HT_{2C} receptor signal peptide
Jan Anker Jahnsen, (Norway), S Uhlen
- Wed 070 The angiotensin II type 1 receptor regulates microRNA expression by Gq and Erk1/2 dependent mechanisms
Pia Jeppesen, (Denmark), GL Christensen, M Schneider, Y Nossent, HB Jensen, S Gammeltoft, JL Hansen, SP Sheikh
- Wed 071 Inhibition of dopamine and noradrenaline transporters (DAT & NET) and monoamine oxidase (MAO) in the prefrontal cortex of COMT knock-out mice
Mikko Käenmäki, (Finland), C Amberg, PT Männistö
- Wed 072 Evidence for functional heteromerization between melatonin MT₁ and MT₂ receptors and serotonin 5-HT_{2C} receptors
Maud Kamal, (France), J-L Guillaume, A Daulat, P Chen, C Mannoury La Cour, L Vincent, O Nosjean, JA Boutin, M Spedding, P Delagrangé, R Jockers
- Wed 073 Regulation of GPR55 by the G protein coupled receptor associated sorting proteins
Julia Kargl, (Austria), N Balenga, L Martini, J Whistler, M Waldhoer
- Wed 074 Two distinct pathways, PKA and TrkA, mediate activation of CREB during α ₂-AR induced neuronal differentiation
G Karkoulas, P Papatathanasopoulos, Christodoulos Flordellis, (Greece)
- Wed 075 Apelin is a crucial factor for hypoxia-induced retinal angiogenesis
Atsushi Kasai, (Japan), Y Ishimaru, T Kinjo, Y Yoshioka, A Yamamuro, A Baba, S Maeda
- Wed 076 Characterization of a sphingosine 1-phosphate receptor antagonist prodrug
Perry Kennedy, (USA), R Zhu, J Tomsig, T Huang, T Mathews, K Lynch
- Wed 077 The GABAB dimers of heterodimers: a way to increase the functional complexity?
Julie Kniazeff, (France), L Comps-Agrar, D Maurel, E Trinquet, J-P Pin
- Wed 078 Physiological significance of extracellular ATP in HaCaT keratinocytes
Daisaku Kobayashi, (Japan), S Ohkubo, N Nakahata,
- Wed 079 Enhanced BRET technology for the monitoring of agonist-induced and agonist-independent interactions between GPCRs and β -arrestins
Martina Kocan, (Australia), HB See, NG Sampaio, BJ Feldman, KA Eidne
- Wed 080 Ligand-directed signalling at the relaxin family peptide receptor 3 (RXFP3)
Martina Kocan, (Australia), ET van der Westhuizen, MA Hossain, JD Wade, RJ Summers

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G PROTEIN-COUPLED 7TM RECEPTORS: FROM MOLECULAR TO PHYSIOLOGICAL FUNCTION

- Wed 081 MT α is a selective α 2B-adrenoceptor antagonist
Katja Koivula, (Finland), S Rondinelli, J Näsman
- Wed 082 The effects of naturally occurring single nucleotide polymorphisms (SNPs) at the glucagon-like peptide 1 receptor (GLP-1R)
Cassandra Koole, (Australia), J Simms, D Wootten, A Christopoulos, PM Sexton
- Wed 083 Possible regulation of GABAB receptors expression by phosphatases
Akira Koutani, (Japan), H Niihara, N Kuramoto, K Ogita
- Wed 084 Identification and electrophysiological characterization of new NR3-containing NMDA receptor modulators
Trine Kvist, (Denmark), JR Greenwood, KB Hansen, RP Clausen, SF Traynelis
- Wed 085 Characterization of the binding site of low molecular weight frizzled-1/2 antagonists
Hilde Laeremans, (The Netherlands), HCJ Ottenheijm, JFM Smits, MW Blankesteijn
- Wed 086 Viral chemokine receptor US28 activates β -catenin signalling pathway
Ellen Langemeijer, (The Netherlands), E Slinger, D Maussang, M Siderius, R Leurs
- Wed 087 Lack of BAMBI (BMP and Activin membrane-bound inhibitor) in mutant mice increases the analgesic effect of morphine, without favouring tolerance development or worsening withdrawal severity
Aquilino Lantero, (Spain), D Merino, ML Laorden, A Díaz, MA Hurlé
- Wed 088 Involvement of the first transmembrane segment of the human 2α -adrenoceptor in the subtype selectivity of bulky antagonists
Jonne M Laurila, (Finland), H Xhaard, G Wissel, JO Ruuskanen, MS Johnson
- Wed 089 Probing the binding and function of orthosteric, allosteric and bitopic agonists at the M4 muscarinic acetylcholine receptor
Katie Leach, (Australia), AE Davey, PM Sexton, A Christopoulos
- Wed 090 Activation of group II metabotropic glutamate receptors inhibits neuronal excitability and epilepsy in the entorhinal cortex via down-regulation of protein kinase A pathway
Saobo Lei, (USA), C Yang, Z Xiao, J Pribula
- Wed 091 The ligand binding properties of human membrane estrogen receptors
Amanda HY Lin, (PR China), GPH Leung, SWS Leung, RYK Man
- Wed 092 Octopamine receptors from the barnacle *Balanus improvisus* exhibit cAMP-mediated Signalling by the antifouling substance medetomidine
Ulrika Lind, (Sweden), M Rosenblad, L Frank, S Falkbring, L Brive, K Pohjanoksa, L Gunnarsson, M Scheinin, L Mårtensson-Lindblad, A Blomberg
- Wed 093 Lactate is the endogenous ligand for GPR81 and suppresses lipolysis in adipocytes
Timothy Lovenberg, (USA), C Liu, C Kuei, T Mirzadegan, J Shelton, J Zhu
- Wed 094 Molecular determinants of the interaction of selective negative allosteric modulators with metabotropic glutamate receptor 2
Linda Lundström, (Switzerland), C Bissantz, J Beck, T Woltering, J Wichmann, S Gatti
- Wed 095 Epac induces airway smooth muscle relaxation by shifting the RhoA/Rac1 balance towards Rac1
Harm Maarsingh, (The Netherlands), SS Roscioni, CRS Elzinga, LJ Schuur, MH Menzen, H Meurs, M Schmidt

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ION CHANNELOPATHIES: NEW WINDOWS ON COMPLEX DISEASE AND THERAPY

- Wed 096 Non-genomic effects of oestrogen derivatives on BK channels
M Allen, Jacqueline Maher, (UK), A Hunter, J Mabley
- Wed 097 The role of potassium channels in experimental sepsis
Jamil Assreuy, (Brazil), R Sordi, D Fernandes,
- Wed 098 Diabetogenic ABCC8/KCNJ11: mechanisms to personalized treatment
Andrey Babenko, (USA)
- Wed 099 The Kv11.1 channel opener NS1643 shortens the QT in transgenic rabbits with long QT-syndrome 1 *In vivo* and shortens the APD90 *ex vivo*, but is associated with increased risk of arrhythmias
Bo Bentzen, (Denmark), S Bahrke, K Wu, AP Larsen, J Biermann, G Koren, M Zehender, C Bode, M Grunnet, M Brunner
- Wed 100 GRP-78 is a possible target in GABAA-channelopathies
Ksenia Chekina, (Russian Federation)
- Wed 101 Variable expression of ABCC8 and ABCC9 transporters in pregnant rat myometrium: influence of gestation age
George Falkay, (Hungary), N Lovasz, E Ducza, R Gaspar
- Wed 102 Contribution of Trpc1 to the pathogenesis of dystrophic mice: analysis of double knock-out Trpc1 *-/-* dystrophin
Chiara Gallo, (Switzerland), OM Dorchies, G Shapovalov, N Zanou, P Gailly, UT Ruegg
- Wed 103 The antivasoconstrictor effect of potassium channel opener FC1075 in the human vascular grafts
Ljiljana Gojkovic-Bukarica, (Republic of Serbia), A Novakovic, B Beleslin-Cokic, M Peric, J Markovic-Lipkovski, V Kanjuh
- Wed 104 Volume-regulated chloride channel mediates foam cell formation in atherosclerosis
Yong-Yuan Guan, (PR China)
- Wed 105 Simulation of the effect of the phosphorylation on the gap junction channel closure by computational chemistry
Nobuo Homma, (Japan), K Momo, T Kobayashi, Y Kohda
- Wed 106 Minocycline inhibits d-amphetamine-elicited action potential bursts in a central snail neuron
Hui-Yu Hsu, (Taiwan), Y-H Chen
- Wed 107 The regulation of melatonin release by BK channel activity in pinealocytes
Yuji Imaizumi, (Japan), H Mizutani, H Yamamura, M Muramatsu, S Ohya
- Wed 108 Does iPLA2 β play a role in store-operated calcium entry in Edl-mdx-2 myotubes?
Karin Jacobson, (Switzerland), O Petermann, E Roulet, U Rüegg

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MAXIMISING BENEFITS AND MINIMIZING HARMS FROM DRUGS

- Wed 109 Relevance of manganese superoxide dismutase (SOD2 Val16Ala) and glutathione peroxidase1 (GPX1 Pro200Leu) functional polymorphisms in patients with idiosyncratic drug-induced liver injury (DILI)
Maribel Isabel Lucena, (Spain), E Garcia-Martin, RJ Andrade, C Martinez, C Stephens, E Ulzurrun, MC Fernandez, JA Duran, A Melcon de Dios, Y Borraz, JAG Agundez
- Wed 110 Introducing clinical events classification for improving antibiotic prescribing
Tatyana Lugovkina, (Russian Federation), B Richards

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- Wed 111 Usefulness of Bayes TDM for monitoring in immunosuppression using the Dynapred® platform: an example with tacrolimus
John C Lukas, (Spain), I Oteo, R Calvo, A Valdivieso, N Leal
- Wed 112 Impaired function of CYP2C9 metabolic enzyme and OATP1B1 transporter as a predisposition for HMGC0A reductase inhibitors induced rhabdomyolysis: case reports
V Macolic-Sarinic, N Mirosevic-Skvrce, Nada Božina, (Croatia), S Marusic, S Tomic
- Wed 113 The pharmacodynamics of single dose R- and S-warfarin when administered alone and in combination as a function of VKORC1 genotype in healthy volunteers
John Maddison, (Australia), A Somogyi, B Jensen, M Gentgall, P Rolan
- Wed 114 Inhibition of basal and ultraviolet B induced melanogenesis by cannabinoid receptors CB1
Sofia Magina, (Portugal), C Esteves Pinto, E Moura, MP Serrão, I Correia-de-Sá, M-A Vieira-Coelho
- Wed 115 Protective effects of glutathione and the related thiols against hepatotoxicity of acetaminophen and furosemide in mice
Yasuhiro Masubuchi, (Japan), J Nakayama, Y Sadakata
- Wed 116 On expressing drug dosage
Mukul Mathur, (India), L Sharma, KK Sharma
- Wed 117 Influence of VKORC1 polymorphism on PT-INR adherence to the target therapeutic range in long-term warfarin therapy
Naoki Matsumoto, (Japan), M Watanabe, T Kumai, M Tanaka, Y Takeba, S Takenoshita, Y Kinoshita, M Yamauchi, F Miyake, H Musha, S Kobayashi
- Wed 118 Influence of Escherichia coli Nissle 1917 on cytochrome P450 protein expression in the intestine of male rats
Zuzana Matuskova, (Czech Republic), A Tunkova, E Anzenbacherova, R Vecera, H Tlaskalova-Hogenova, P Anzenbacher
- Wed 119 Incidence, genetic and non-genetic risk factors for severe phenprocoumon associated gastrointestinal bleeding leading to hospitalisation
Karen May, (Germany), K Wergin, S Müller, M Hippus, K Farker, J Szymanski, D Roszkopf, PA Thürmann, W Siegmund
- Wed 120 Effect of low-dose and high-dose aspirin on the pharmacokinetics and pharmacodynamics of edoxaban
Jeanne Mendell, (USA), S Chen, R Noveck, F Lee, V Petrushun
- Wed 121 Effect of naproxen on the pharmacokinetics and pharmacodynamics of edoxaban- encore abstract
Jeanne Mendell, (USA), S Chen, R Noveck, F Lee, V Petrushun
- Wed 122 The effect of quinidine and verapamil, P glycoprotein/CYP3A4/5 inhibitors, on edoxaban pharmacokinetics and pharmacodynamics
Jeanne Mendell, (USA), R Noveck, H Zahir, F Lee, V Petrushun, G Zhang, M Shi, S Chen
- Wed 123 Effects of CYP4F2 genetic polymorphisms on warfarin dose requirements in Caucasian patients initiating therapy
Veronique Michaud, (Canada), M Frappier, M Champagne, D Brouillette, D Roy, G O'Hara, D Gossard, M Phillips, A Ajami, J Turgeon
- Wed 124 Inhibition of human liver microsomal opioid glucuronidation by ketamine - A potential pharmacokinetic drug-drug interaction
John Miners, (Australia), V Uchipichat, P Ruangrut, D Elliot, B Janchawee

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- Wed 125 Estimation of creatinine clearance and gentamicin dose using lean body weight prediction
Sarah Mitchell, (Australia), S Hilmer, C Kirkpatrick, R Hansen, MF Singh
- Wed 126 Estimation of lean body weight in older black and white men and women: the Health, Aging and Body Composition Study
Sarah Mitchell, (Australia), C Kirkpatrick, A Newman, S Satterfield, A Schwartz, S Hilmer
- Wed 127 Influence of the VKORC1 genetic polymorphism and patient characteristics upon warfarin dose in Japanese elderly patients
Jun Miura, (Japan), H Nakashima, T Tateishi
- Wed 128 Relation between ethanol-induced oxidative stress and apoptosis in human hepatoma (SK-Hep-1) cells
- Wed 129 Genotypic determinants of CYP2D6 activity and its clinical implications in Indo-Trinidadians
Lazara Montane Jaime, (Trinidad & Tobago), A Lalla
- Wed 130 Making therapeutic drug monitoring of efavirenz work: what is a subtherapeutic concentration?
Emilia C Monteiro, (Portugal), U Caixas, I Germano, S Gouveia, A Carlos, T Branco, SA Pereira
- Wed 131 Effects of the *Crotalus durissus cascavella* venom on renal tubular cells
Janaina Monteiro, (Brazil), A Torres, R Menezes, F Monteiro, R Dantas, H Monteiro
- Wed 132 The development of a novel system for the investigation of microvascular dysfunction
E Moss, L Rankin, S Lynagh, David Bunton, (UK)
- Wed 133 Variability of tamoxifen metabolism *In vivo* influenced by genotypes of drug metabolizing enzymes
Thomas Mürdter, (Germany), W Schroth, H Brauch, M Eichelbaum, M Schwab
- Wed 134 Frequency of adverse drug reactions type A and type B registered with intensive monitoring system
Snezana Mugosa, (Montenegro), Z Todorovic, N Duborija-Kovacevic
- Wed 135 Spontaneous reporting of adverse drug reactions and level of intervention
Snezana Mugosa, (Montenegro), Z Todorovic, A Boskovic, N Duborija-Kovacevic
- Wed 136 A novel polymorphism in ABCB1 gene, CYP2B6*6 and sex predict single dose efavirenz population pharmacokinetics in Ugandans
Jackson K Mukonzo, (Uganda), D Röshammar, P Waako, M Andersson, T Fukasawa, J Ogwal- Okeng, L Gustafsson, E Aklillu
- Wed 137 Using prescribing data to determine drug persistence for the purpose of pharmacovigilance
Isa Naina Mohamed, (UK), P Helms, C Simpson, J McLay
- Wed 138 Metformin and lactic acidosis: do we pay attention to the renal function in the elderly?
Makiko Nakagawa, (Sweden), U Bergman
- Wed 139 Outcome among head trauma patients on anticoagulants or platelet inhibitors prior to trauma
Sigrid Narum, (Norway), M Kringen, O Brørs, O Stokland
- Wed 140 Gender differences in the disposition of drugs
C Neta, J Silva, F Martins, A Pedroso, T Macedo, Carlso Fontes Ribeiro, (Portugal)

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- Wed 141 Gas mediator hydrogen as a tool for protection of Parkinson's disease
Mami Noda, (Japan), K Fujita, M Kido, T Katafuchi, Y Nakabeppu
- Wed 142 Flurbiprofen pharmacokinetics in relation to CYP2C9 genotype
Da-Hee Oh, (Republic Of South Korea), J-W Bae, M-J Kim, C-G Jang, S-Y Lee
- Wed 143 Contribution of CYP2D6*10 allele to the inter-individual variability in the pharmacokinetic of metoprolol and its β -hydroxy metabolite in Koreans
Da-Hee Oh, (Republic Of South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Wed 144 Use of confidence intervals in the fractional analysis of the interaction between non-depolarizing neuromuscular blockers
Antonio Carlos Oliveira, (Brazil), CR Souza, WL Silva, CSM Serra
- Wed 145 Effect of lamivudine-artesunate co-administration on some hematological, hepatic and renal biomarkers in rats
Temidayo Olurische, (Nigeria), H Kwanashie, J Anuka, H Muktar
- Wed 146 Comparative study of adverse drug reactions between a public and a private specialist hospital in Lagos, South West Nigeria
Ibrahim Oreagba, (Nigeria), I Ishola, A Akinyandenu
- Wed 147 The metabolism of the novel dopamine stabiliser ACR16 (Pridopidine) is mainly mediated by CYP2D6
Georgios Panagiotidis, (Sweden), A Helldén, J Tedroff, N Waters, S Waters
- Wed 148 Role of genetic factors on between-subject variability in cytarabine cytotoxicity
Sumit Parmar, (Germany), A Seeringer, K Pitterle, D Denich, F Gärtner, J Kirchheiner
- Wed 149 Nephrotoxic medications in acute kidney injury: opportunities for learning
Peysh Patel, (UK), A Sengupta, O Martin, F Razik, O Johnson
- Wed 150 Early postnatal ketamine anesthesia causes persistent deficits in rhesus monkey cognition
Merle G Paule, (USA), M Li, X Zou, C Hotchkiss, JP Hanig, W Slikker, C Wang
- Wed 151 Linkage disequilibrium between the rapid CYP2C19*17 allele and wildtype CYP2C8 and CYP2C9 alleles: identification of CYP2C haplotypes in healthy Nordic populations
Rasmus S Pedersen, (Denmark), C Brasch-Andersen, SC Sim, TK Bergmann, J Halling, P Weihe, A-L Børresen-Dale, VN Kristensen, K Brøsen, M Ingelman-Sundberg
- Wed 152 Effects of verapamil, over materno-fetal pharmacokinetics and transplacental exchange of ivermectin, in pregnant sheep
Ruben Perez, (Chile), C Palma, MJ Nuñez, P Urrutia, L Morales, J Cox
- Wed 153 Determining toxicological parameters of atropine/scopolamine mixture as food contaminant
L Perhariè, M Zidariè, Lovro Stanovnik, (Slovenia)
- Wed 154 Parenteral alanyl-glutamine in critically ill patients: a Bayesian meta-analysis of published trials
Lorenzo Pradelli, (Italy), O Zaniolo, S Iannazzo, M Eandi
- Wed 155 Provocative potassium handling to predict changes in ambulatory serum potassium with dual renin-angiotensin-aldosterone (RAAS) blockade
Richard Preston, (USA), D Afshartous
- Wed 156 Emotional state dependence of the pressor response in normal dogs
Joseph Prinsen, (USA), NS Archambault, AJ Lange, NB Olivier
- Wed 157 Carbamazepine induced leucopenia in 20-year-old male patient
Vesna Radovic, (Republic of Republic of Serbia)

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- Wed 158 Fexofenadine is not a substrate for OATP2B1
Gregory Reed, (USA), C Flynn, B Hagenbuch
- Wed 159 From pharmacogenetics to personalized medicine: a Cuban regulatory perspective
Diadelis Remirez-Figueroa, (Cuba)
- Wed 160 Hypertension in general practice - an APO-audit
Lene Reuther, (Denmark), P Schultz-Larsen, J Damsgaard, D Gilså Hansen, A Munck, M Skov Paulsen, M Andersen
- Wed 161 Rational drug use at hospitals and in the primary-secondary care interface
Lene Reuther, (Denmark), H Thomsen, HR Christensen, B Kirkeby
- Wed 162 Influence of aldehyde dehydrogenase-2 gene polymorphism on vasodilatation induced by organic nitrates in healthy human subjects
Toshiyuki Sasaguri (Japan), S Sakata, K Ichishima, H Oniki, T Miwa, H Arima, T Yoshihara, F Takahashi-Yanaga, F Shiraishi,
- Wed 163 Changes in drug-metabolizing enzyme activities in the multiple histamine receptor gene knockout mice
Eiichi Sakurai, (Japan), E Sakurai, Y Ueda, Y Sakurai, K Yanai
- Wed 164 Medication errors in critical care unit
Nicole Salazar, (Chile), L Escobar, M Jirón
- Wed 165 The effect of paraxon organophosphate insecticide on antioxidant system in rat brain tissue
Maryam Salehi, (Iran), M Jafari, M Saleh Moqadam, A Asghari, M Kazemi, M Haggholamali
- Wed 166 Genetic polymorphism and drug interactions modulating CYP2D6 and CYP3A activities have a major impact on oxycodone analgesic efficacy, safety and pharmacokinetics
Caroline Samer, (Switzerland), Y Daali, M Wagner, G Hopfgartner, CB Eap, MF Rossier, D Hochstrasser, P Dayer, JA Desmeules
- Wed 167 Awareness of the risk of venous thromboembolism among users of oral contraceptives
Isidora Samojlik, (Republic of Serbia), M Panduriv, B Bogdanov

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ADDICTION AND DOPING: NEUROBIOLOGICAL AND CLINICAL BASIS OF EMERGING TREATMENT

- Wed 168 Neuroprotective effect of adenosine A1 and A2A receptors in chronic alcohol withdrawal syndrome in mice
Kiran Kumar Akula, (India), K Chopra, SK Kulkarni
- Wed 169 Comparison of the neurochemical changes induced by acute and repeated administration of morphine, cocaine and amphetamine in the rat lateral septum
Katherine A Araya, (Chile), MR Ibañez, V Noches, R Sotomayor-Zarate, K Gysling
- Wed 180 Pharmacodynamic effects of 3,4-methylenedioxyamphetamine (MDA)
MJ Baggott, (USA), J Siegrist, JR Coyle, K Flower, GP Galloway
- Wed 171 Vitamins as antioxidants have important role of asthmatic additional therapy in children and protection of passive smoking
Adnan Bajraktarevic, (Bosnia Herzegovina), M Miokovic, D Abduzaimovic, J
- Wed 172 Areca nut dependence among chewers in a South Indian community who do not also use tobacco
Robert L Balster, (USA), SJS Bhat, MD Blank, M Nichter, M Nichter

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ADDICTION AND DOPING: NEUROBIOLOGICAL AND CLINICAL BASIS OF EMERGING TREATMENT

- Wed 173 Interaction of protein kinase C and allosteric modulation at extrasynaptic GABA-A receptors following chronic ethanol treatment
I Barrett, Stephen Kelley, (UK)
- Wed 174 Memantine prevents the cognitive deficits induced by methamphetamine in rats
Jorge Camarasa, (Spain), T Rodrigo, D Pubill, E Escubedo
- Wed 175 Russian biosimilar epoetins and their possible use in sport
Yuliya I Dykhal, (Russian Federation), GI Krotov, PV Postnikov, GM Rodchenkov
- Wed 176 Testosterone inhibits endothelial nitric oxide synthase mRNA expression and nitric oxide production
Lena Ekström, (Sweden), C Skogastierna, A Rane
- Wed 177 *In vitro* neurochemical profile of MDMA and its metabolite α -methyldopamine
Elena Escubedo, (Spain), S Abad, I Torres, J Camarasa, D Pubill
- Wed 178 Acetaldehyde stimulates IL-6 mRNA expression and IL-6 protein secretion in cultured rat astrocytes
Polonca Ferk, (Slovenia), L Sarc, B Wraber, M Lipnik-Stangelj
- Wed 179 The effect of centrally injected Gly-L-Gln (Glycyl-Glutamine) on nucleus accumbens GABA output after acute morphine administration
Nesrin Filiz Basaran, (Turkey), S Cavun, RL Buyukuysal, WR Millington
- Wed 180 Exercise influence on the amphetamine-dependent behaviour and dopamine in striatum, frontal cortex and hippocampus
Carlos Alberto Fontes-Ribeiro, (Portugal), E Marques, F Pereira, AP Silva, T Macedo
- Wed 181 Effect of methylenedioxymethamphetamine (MDMA) on cytosolic calcium levels in PC 12 cells. Role of nicotinic receptors
Sara Garcia-Rates, (Spain), E Escubedo, J Camarasa, D Pubill
- Wed 182 Intranasal administration of the dopamine D3 receptor antagonist SB-277011A inhibits cocaine self-administration and cocaine-enhanced brain-stimulation reward in rats
Eliot Gardner, (USA), X-Q Peng, X Li, C Ashby, Z-X Xi
- Wed 183 Testosterone enanthate induces the expression of HMGCR and cholesterol levels
Nina Gårevik, (Sweden), C Skogastierna, A Rane, L Ekström
- Wed 184 Enhancement of clonidine-induced analgesia by sulfisoxazole in mice
Anil Gulati, (USA), G Matwyshyn, M Boxwalla, B Puppala, S Andurkar
- Wed 185 The role of D1/D2 dopamine receptors in the development and expression of nigrostratal DA sensitisation in rats
Susanna Gyarmati, (Hungary), J Timar, A Horvath, A Fendt, S Furst
- Wed 186 Toxic dose of methamphetamine induces endoplasmic reticulum stress related gene CHOP/Gadd153/ddit3 in dopaminergic neural cells
Yasuyuki Irie, (Japan), M Saeki, H Tanaka, S Otake, Y Kondo, K Mizuma, Y Kamisaki, N Miki, E Taira
- Wed 187 Intereceptive effects of atypical anxiolytics with neuroprotective properties
Tatiana S Kalinina, (Russian Federation), AV Volkova, TA Voronina, SB Seredenin
- Wed 188 Experimental study of the antinociceptive effects of GB-115, a dipeptide analogue of cholecystokinin
Larisa Kolik, (Russian Federation), V Zhukov, T Gudasheva, S Seredenin

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- Wed 189 Inhibition of heat shock protein 90 attenuates adenylylate cyclase sensitization after chronic morphine treatment
Takaaki Koshimizu, (Japan), H Tsuchiya, S Fujimura, Y Fujiwara, A Fujimura
- Wed 190 Activation of cAMP-response-binding-element protein (CREB) in the nucleus accumbens reduces relapse to methamphetamine-seeking behaviour in rats
Niree Kraushaar, (Australia), L Hunt, J Cornish
- Wed 191 Predicting steady state oral methadone dosage with CYP3A4 activity? Preliminary results
Kamilia Ksouda, (France), F Vorspan, S Mouly, V Bloch, A Hajj, J-L Laplanche, P Houze, J-P Lepine
- Wed 192 Role of metabotropic glutamate receptor 5 in ethanol regulation of NMDA receptor function and in ethanol-induced change in blood pressure in rats
Chih-Chia Lai, (Taiwan), W-K Hsieh
- Wed 193 Assessing potential for drug abuse in humans: defining clinical important differences in subjective pharmacodynamic measures
Denise Milovan (Canada), N Levy-Cooperman, K Schoedel, N Chen, D Feltner, CB Billing Jr

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ENDOTHELIUM IN HEALTH AND DISEASE

- Wed 194 Anatomical regional differences in aortic tissue reactivity: the role of perivascular adipose tissue in normal and diabetic rats
Francis I Achike, (Malaysia), CB Chua, CY Kwan
- Wed 195 Potassium channel modulation of acidosis-induced vasodilatation of normal and diabetic rat aorta.
Francis I Achike, (Malaysia), JL Yeo
- Wed 196 Red wine polyphenols prevent metabolic and cardiovascular alterations associated with obesity in Zucker fatty rats (Fa/Fa)
Ramaroson Andriantsitohaina, (France), A Agouni, A-H Lagrue-Lak-Hal, HA Mostefai, A Tesse, P Mulder, F Desmoulins, C Heymes, MC Martine,
- Wed 197 Species difference in calcium dependency of cromakalim induced relaxation in porcine and human coronary arteries
Nora Ambrus, (Hungary), J Pataricza, I Krasso, Z Marton, M Bitay, GJ Papp
- Wed 198 Various types of potassium channels are activated by the new nitric oxide (NO) donor [Ru(terpy)(bdq)NO]⁺3⁺ (Terpy) in mesenteric resistance arteries of renal hypertensive rats
Alice Araújo, (Brazil), J Vercesi, J Biazotto, R da Silva, L Bendhack
- Wed 199 The variations in measurements of blood pressure values obtained by the conventional method and the ambulatory blood pressure monitoring
Mensura Asceric, (Bosnia Herzegovina), N Mulabegovic, E Kapic, F Becic, S Loga-Zec
- Wed 200 Functional distribution of nitrenergic nerve derived from pterygoparantine ganglion in monkey cerebral artery
Kazuhide Ayajiki, (Japan), S Kobuchi, N Toda, M Hanamitsu, T Okamura
- Wed 201 Mast cell activation alters neuronal nitric oxide release in rat mesenteric artery
Gloria Balfagón, (Spain), J Blanco-Rivero
- Wed 202 Temporal effects of ATP/ADP in a murine sepsis model
Hermes Vieira Barbeiro, (Brazil), DF Barbeiro, FR Laurindo, HP Souza, IT Velasco

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ENDOTHELIUM IN HEALTH AND DISEASE

- Wed 203 Vascular reactivity on Nagase analbuminemic rats challenged by LPS
Hermes Vieira Barbeiro, (Brazil), CB Lorigados, DF Barbeiro, S Catanozi, E Nakarandake, FB Fusco, A dos Santos Filho, FG Soriano
- Wed 204 Volemic reposition on vascular reactivity of endotoxemic rats.
Hermes Vieira Barbeiro, (Brazil), RC Petroni, TSL Garcia, DF Barbeiro, CB Lorigados, IT Velasco
- Wed 205 The peculiarities of action of pentoxifylline on rat isolated aorta in experimental hypokinesia
Aram Baykov, (Armenia), A Manukyan
- Wed 206 The endothelial pathway for current spread is modulated by smooth muscle K⁺-channels
Timea Z Beleznai, (UK), KA Dora
- Wed 207 Endothelium-derived hyperpolarizing factor and nitric oxide regulate arterial wall viscosity *In vivo* in humans
Jeremy Bellien, (France), M Iacob, C Thuillez, R Joannides
- Wed 208 Oral sildenafil increases sodium nitroprusside iontophoresis induced skin hyperaemia in healthy volunteers
S Blaise, M Hellmann, M Roustit, S Isnard, Jean-Luc Cracowski, (France)
- Wed 209 Vascular AT1/AT2 receptor ratio impact on vasoconstriction in experimental gestational diabetes
Rosa A Bobadilla, (Mexico), C Toufiño, E Fernandez-Vallin, P Lopez
- Wed 210 Analysis of nitric oxide sensitive guanylyl cyclase activation by ciguates based on MANT-GTP fluorescence
Mareike Busker, (Germany), JR Kraehling, M Seeanner, S Behrends
- Wed 211 PKG mediates the testosterone vasorelaxant effect in human umbilical artery without endothelium
Elisa Cairrão, (Portugal), AJ Santos-Silva, I Verde
- Wed 212 Rat kidney antioxidant enzymes in an experimental model of preeclampsia
Elsa Camacho, (Venezuela), J Silva, MG Matos, M Varela, MR Garrido
- Wed 213 Increased sensitivity of cerebral and coronary arteries to GPCR agonists in spontaneously hypertensive rats
Lei Cao, (Sweden), Y Zhang, Y-X Cao, L Edvinsson, C-B Xu
- Wed 214 Correlation between amine oxidases kinetic parameters and nitric oxide production in human mesenteric arteries
Margarida Caramona, (Portugal), S Nunes, J Pereira, C Lopes, I Figueiredo
- Wed 215 Coronary artery bypass grafting surgery worsens oxidative stress among patients with coronary disease
Manuel Carnero, (Spain), J Muñoz-Marin, JA González Correa, F Reguillo, J Navarro-Dorado, JP de la Cruz, T Tejerina
- Wed 216 Estrogen receptor α as a key target of red wine polyphenols action on the endothelium
M Chalopin, A Tesse, MC Martinez, D Rognan, JF Arnal, Ramarosan Andriantsitohaina, (France)
- Wed 217 The hypocholesterolemic effect of a novel series of compounds with structural properties of α -asarone and fibrates in tyloxapol treated mice.
Germán Chamorro, (Mexico), C Zúñiga, L Garduño, MdC Cruz, R Pérez, J Tamariz
- Wed 218 Secretoneurin induces endothelium-dependent relaxation of the porcine coronary artery
Calvin KY Chan, (PR China), JCW Mak, PM Vanhoutte

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- Wed 219 NADPH oxidase and TGF- β Signalling in extracellular matrix production in cardiac fibroblasts
Elsa Chan, (Australia), H Peshavariya, G Nancy, F Jiang, G Dusting
- Wed 220 Characterization of VIP and PACAP receptors in the human coronary and meningeal artery
Kayi Chan, (The Netherlands), M Baun, J Danser, I Jansen-Olesen, AM van den Brink
- Wed 221 Acute effect of sulfaphenazole on isolated mesenteric small arteries from db/db mice
Hua Chen, (Denmark), U Simonsen, C Aalkjaer
- Wed 222 Role of RhoA/ROK in vascular hyporeactivity induced by endotoxin in early and late sepsis
Shiu-Jen Chen, (Taiwan), M-H Liao, C-C Wu
- Wed 223 High-sodium loaded in rats impairs central baroreflex and ACh-induced vasodilation
Akiko Chisyaki, (Japan), M Tsuruhisa, M Miyakawa, T Masuda, Y Hirabara, R Saito, Y Takano
- Wed 224 Increased outward currents recorded in situ from endothelial cells of rabbit coronary arteries after ischemia reperfusion
Belén Climent, (Spain), AL García-Villalón, N Fernández, L Monge, G Diéguez, L Rivera
- Wed 225 Contribution of smooth muscle BKCa currents to outward currents recorded from endothelial cells in situ
Belén Climent, (Spain), P de la Villa, U Simonsen, A García-Sacristán, L Rivera
- Wed 226 Ceramide is involved in the hypoxic vasoconstriction of chicken pulmonary and choriocapillary arteries
Angel Cogolludo, (Spain), E Villamor, J Moral-Sanz, R Scheepers, B Barreira, L Escolano, L Moreno, F Perez-Vizcaino
- Wed 227 Epac proteins as a determinant for forskolin-induced vasorelaxant effect and cAMP-inhibition of store operated Ca²⁺ entry in vascular myocytes
Andrea Cuiñas, (Spain), J Elies, M Campos-Toimil
- Wed 228 A comparative study of α -adrenergic receptor mediated Ca²⁺ signals and contraction in intact human and mouse vascular smooth muscle
Jiazhen Minnie Dai, (Canada), H Sytyong, C van Breemen, J Navarro-Dorado, S Redondo, T Tejerina
- Wed 229 Activators of small conductance calcium-activated potassium channels selectively enhance bradykinin NO-mediated vasodilatation in porcine retinal arterioles
Thomas Dalsgaard, (Denmark), C Kroigaard, M Misfeldt, T Bek, U Simonsen
- Wed 230 Nitrite and nitroglycerin preferentially dilate large systemic arteries during hypoxia
Thomas Dalsgaard, (Denmark), C Kroigaard, A Fago, U Simonsen
- Wed 231 Exposure to concentrated ambient fine particles (PM_{2.5}) of urban Sao Paulo air pollution induces endothelial dysfunction and structural changes in rat pulmonary arteries
Ana Paula Davel, (Brazil), M Lemos, L Pastro, L Rossoni, P Saldiva
- Wed 232 Changes in rats vascular reactivity in response to neonatal induced hyperleptinaemia
Fernanda Carla Ferreira de Brito, (Brazil), NAV da Motta, EB Marques, CBV Scaramello, LL da Silva

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- Wed 233 Role of protein disulfide Isomerase in angiotensin II induced contraction in vascular smooth muscle cells from spontaneously hypertensive rats
Livia de Lucca Camargo, (Brazil), ACD Androwiki, GS Ceravolo, AZ Chignalia, Alexandre Denadai-Souza, MHC de Carvalho, ZB Fortes, M Janizewski, LR Lopes
- Wed 234 Signalling via IRAG regulates NO- and ANP-mediated smooth muscle relaxation
Matthias Desch, (Germany), B Hieke, D Bernhard, K Hoecherl, F Hofmann
- Wed 235 Genetic targeting of COX-1 and COX-2 in murine aortic endothelial cells reveals the antioxidant effect of endothelial COX-2
Andrea Di Francesco, (Italy), L Di Francesco, M Dovizio, F Seta, C Funk
- Wed 236 Thalidomide produces smooth muscle relaxation
James R Docherty, (Ireland), SW Seto
- Wed 237 Protein disulfide isomerase regulates reactive oxygen species generation and angiotensin II induced contraction in aorta from wistar rats
Ana Alice Dos Santos Dias, (Brazil), LL Camargo, GS Ceravold, ACD Androwiki, MHC Carvsalho, M Janiszewski, LR Lopes
- Wed 238 Evidence for functional two-pore domain potassium channels (K2P) in rat mesenteric arteries
Gillian Edwards, (UK), E Porter, N Ashton, A Gurney, A Weston
- Wed 239 Rho kinase-dependent calcium sensitization in the interplay between pressure- and agonist-induced constriction of cerebral artery
Ahmed El-Yazbi, (Canada), RP Johnson, K Takeya, EJ Wlash, MP Walsh
- Wed 240 Pulmonary pressure reduction attenuates expression of proteins identified by lung proteomic profiling in pulmonary hypertensive rats
Yvonne Eskildsen-Helmond, (Denmark), L Østergaard, B Honore, L Bech Thorsen, J Baandrup, H Vorum, M Mulvany, U Simonsen
- Wed 241 Unfolded protein response involved in oxidized LDL-evoked endothelial dysfunction
Yvonne Eskildsen-Helmond, (Denmark), M Jørgensen, E Stankevicius, N Christophersen, E Falk
- Wed 242 Tanshinone IIA inhibits ER- α activity in MCF-7 breast cancer cell
Guanwei W Fan, (China), XM Gao, H Wang, Y Zhu, J Zhang
- Wed 243 Prostaglandin E₂ promotes angiogenesis by synergizing with fibroblast growth factor receptor-1/fibroblast growth factor-2 system
Federica Finetti, (Italy), S Donnini, L Morbidelli, A Giachetti, M Ziche
- Wed 244 High salt intake abolishes AT₂-mediated vasodilation of pial arterioles in rats
Sebastien Foulquier, (France), C Perrin-Sarrado, F Dupuis, F Soussi, P Liminana, C Capdeville-Atkinson, I Lartaud, J Atkinson
- Wed 245 Impact of window L-type Ca²⁺ influx on activity of Ca²⁺ channel blockers in aortic smooth muscle cells of C57Bl6 mice
Paul Fransen, (Belgium), CE Van Hove, C Michiels, J van Langen, H Bult
- Wed 246 Significance of window L-type calcium influx for contraction of C57Bl6 mouse aortic segments
Paul Fransen, (Belgium), CE Van Hove, J van Langen, H Bult
- Wed 247 Role of HIF-1 β in endothelial cells in monocrotaline-induced pulmonary hypertension in mice
Yayoi Fukuhara, (Japan), S Tomita, Y Imamura, Y Horinouchi, M Imanishi, T Kitagawa, T Tamaki

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- Wed 248 The difference in cerebrovascular effects of Afobazol and Nimodipin under the conditions of combined cardiac and cerebral vascular pathology
Tamara Ganshina, (Russian Federation), R Mirzoyan, N Khaylov, S Seredenin
- Wed 249 ABCB1 C3435T genetic polymorphism alters clinical response to losartan in patients with hypertension
MT Goktas, F Pepedil, G Sain-Guven, B Cakir, Melih O Babaoglu, (Turkey), A Bozkurt
- Wed 250 Pharmacodynamic/pharmacokinetic study of two formulation of acetylsalicylic acid in patients with chronic coronary disease
Jose Antonio Gonzalez-Correa, (Spain), A Guerrero, E Rueda, MM Arrebola, JA Lopez-Villodres
- Wed 251 Effect of sulodexide on vascular permeability in the kidney of diabetic rats
Caroline González-Serryn, (Venezuela), D Fernandes, Y Mathison
- Wed 252 Alteration of the effects of growth factors by simulated microgravity
Daniela Grimm, (Denmark), C Ulbrich, J Pietsch, M Infanger, G Aleshcheva
- Wed 253 Endothelial dysfunction of uterine artery in suramin-induced preeclampsia-like syndrome in rats
Sebile Guler, (Turkey), EG Cekic, G Soydan, D Ertoy Baydar, M Tuncer
- Wed 254 Sexual dimorphism in aortic endothelial function of streptozotocin-induced diabetic rats
X Han, R Zhang, L Anderson, Roshanak Rahimian, (USA)
- Wed 255 Is hydrogen sulfide an endothelium-derived relaxing factor?
Joanne Hart, (Australia), M Al-magableh
- Wed 256 Change in intracellular Ca²⁺ response of middle cerebral artery of stroke-prone spontaneously hypertensive rats
Terumasa Hashimoto, (Japan), H Ohata, T Miyazaki, K Shibata, K Nobe
- Wed 257 Maternal high fat diet programmed endothelial dysfunction on juvenile offspring born to high fat diet on nonhuman primate model
Guo-Wei He, (PR China), L Fan, P Sinnayah, KL Grove
- Wed 258 Synergistic effect of iron and glucose on endothelial cells is mediated by DDAH/ADMA/ROS Signalling pathway
Ming He, (PR China), D Liu, D Yin, Z Liao, L Tang
- Wed 259 Protective effect of sodium nitroprusside against *In vitro* ischemia-reperfusion injury of rat mesenteric artery
X He, M Zhao, H-L Zhang, X-L Xu, L-Y Xie, X-J Yu, Wei-Jin Zang, (PR China)
- Wed 260 Vascular actions of the calcimimetic, cinacalcet
Vanessa W-S Ho, (UK), P Thakore
- Wed 261 Ischemic suppression of cerebral endothelial eNOS: effects of estrogen
James Horne, (USA), S Duckles, D Krause
- Wed 262 Orexins depolarize rostral ventrolateral medulla neurons and regulate cardiovascular functions in the rat mainly via orexin 2 receptor
Shang-Cheng Huang, (Taiwan), Y-W Dai, Y-H Li, C-T Chen, L-L Hwang
- Wed 263 Effect of fluvastatin on cerebral salt wasting after subarachnoid hemorrhage in rats
Takahiro Igarashi, (Japan), M Yoneko, J Kojima, N Moro, Y Kondo
- Wed 264 NO dilates rat retinal blood vessels through the COX-1-dependent prostanoids-cAMP Signalling pathway in vivo
Kunio Ishii, (Japan), A Mori, K Sakamoto, T Nakahara

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- Wed 265 Role of AT1 receptor and NAD(P)H oxidase in the pressor response and hypothalamic antioxidant enzymes activity induced by forced immobilization in rats
Anita Israel, (Venezuela), J Silva, S DeJesus, I Medina, MR Garrido
- Wed 266 Involvement of early release of HMGB1 in aggravation of neuronal damage after transient focal ischemia in diabetic rat brain
Naohiro Iwata, (Japan), M Okazaki, S Kamiuchi, Y Hibino
- Wed 267 The effect of connexin 43 remodeling in vascular restenosis
Liping Jiang, (China), L Zhu, T Hong, J Feng
- Wed 268 Evidence for a novel signalling mechanism involving NAADP in endothelium-dependent hyperpolarization of resistance arteries
Francesc Jimenez-Altayo, (UK), KA Dora, P Galindo, GC Churchill, A Galione
- Wed 269 Reduced two-pore domain potassium channel (K2P) function may contribute to hypertension in spontaneously-hypertensive rats
Ian Johnson, (UK), E Porter, N Ashton, A Gurney, A Weston
- Wed 270 Roles of binding affinity and lipophilicity in the kinetics of prostanoid receptor ligands
Robert Jones, (UK), D Woodward, J Wang, R Clark
- Wed 271 Arterial vasodilation mediated by proteinase-activated receptor-2 in obese diabetic mice
Satomi Kagota, (Japan), JJ McGuire
- Wed 272 Cessation of the metabolic disturbances progressing and endothelial dysfunction in patients with ischemic heart disease
Tamara Kezeli, (Georgia), N Gongadze, M Chipashvili, M Mirziashvili, K Bakuridze
- Wed 273 Chronic intake of RWPs improves EDHF-mediated relaxation in the mesenteric artery of old rats: Role of angiotensin II and AT1 receptors
N Khodja, T Chataigneau, C Auger, Valerie B Schini-Kerth (France)
- Wed 274 3',4'-Dihydroxyflavonol decreases vascular contraction through inhibition of the RhoA/Rho-kinase pathway in endothelium-denuded rat aorta
InKyeom Kim, (South Korea)
- Wed 275 Calcium sensitization induced by sodium fluoride in permeabilized rat mesenteric arteries
InKyeom Kim, (South Korea)
- Wed 276 Protective effect of *Ilex latifolia* on glutamate-induced neurotoxicity *In vitro* and focal cerebral ischemia *in vivo*
Joo Youn Kim, (South Korea), YH Seong
- Wed 277 Functional analysis of single nucleotide polymorphisms in NOS2A
Soon Ae Kim, (South Korea), SY Yang
- Wed 278 Expression of soluble VEGF receptor-1 in human monocyte-derived mature dendritic cells
Masatoshi Kishuku, (Japan), Y Nishioka, K Teraoka, K Kawazoe, H Hochi, K Minakuchi
- Wed 279 Estrogen-induced relaxation of rat tail artery was attenuated in rats with pulmonary hypertension
Ivan Kocic, (Poland), R Szczepazka, I Pawlowska
- Wed 280 Dimerization of nitric oxide sensitive guanylyl cyclase
Jan Robert Kraehling, (Germany), M Busker, T Haase, M Seeanner, S Behrends

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- Wed 281 Expression and functional studies of small- and intermediate conductance calcium-activated potassium channels in human small pulmonary arteries and bronchioles
Christel Kroigaard, (Denmark), T Dalsgaard, B Elmedal Laursen, H Pilegaard, U Simonsen
- Wed 282 SK_{Ca} and BK_{Ca} expression is upregulated in pulmonary arteries from chronic hypoxic rats
Christel Kroigaard, (Denmark), T Dalsgaard, S-P Olesen, U Simonsen
- Wed 283 Sex difference in experimental hypoxic pulmonary hypertension in rats
Olga Kudryavtseva, (Denmark), N Medvedeva, V Koshelev
- Wed 284 Involvement of large-conductance Ca²⁺-activated K⁺ channels in acetylcholine-evoked vasodilation of human penile small arteries
Attila Kun, (Hungary), I Kiraly, A Varro, U Simonsen, J Pataricza, L Pajor
- Wed 285 Vasoconstriction in omental arteries from obese human subjects
Hye Chung Kwak, (UK), M Larvin, P Leeder, J Ahmed, S O'Sullivan
- Wed 286 Methyl palmitate is the retina-derived relaxing factor
Yuan-Chieh Lee, (Taiwan), H-H Chang, C-H Liu, M-F Chen, P-Y Chen, T-J-F Lee
- Wed 287 Dual ECE/NEP inhibition and ETA/B receptor antagonists: two ways of inhibiting endogenous ET-1 effects in resistance arteries
Pieter Lemkens, (The Netherlands), J Nelissen, JGPJ Bost, BJA Janssen, PMA Schiffers
- Wed 288 Impairment of both nitric oxide and endothelium-derived hyperpolarizing factor in streptozotocin-induced diabetic small mesenteric artery
Chen Huei Leo, (Australia), J Ziogas, JL Favaloro, OL Woodman
- Wed 289 7 day treatment with 3',4'-dihydroxyflavonol prevents endothelial dysfunction in mesenteric arteries from streptozotocin-induced diabetic rats
Chen Huei Leo, (Australia), J Ziogas, JL Favaloro, OL Woodman
- Wed 290 Inhibition of cyclooxygenase activity improves endothelium-dependent relaxation in mesenteric arteries of ovariectomized rats following chronic inhibition of nitric oxide synthase
Susan WS Leung, (PR China), MLY Chan, GSK Man, RYK Man
- Wed 291 Inhibition of I κ B kinase a/b (IKK α / β) improved insulin resistance of endothelial cells induced by high glucose in vitro
ZX Li, FH Chen, LL Liu, RX Zhan, Y Gao, CX Chen, Qi-Ren Huang, (PR China)
- Wed 292 Characterization of the CGRP receptor antagonist telcagepant (MK0974) in human isolated coronary arteries
Kayi Chan, (The Netherlands), L Edvinsson, S Eftekhari, R de Vries, S Kane, J Danser, AM van den Brink

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IS ENOS STILL A VALID THERAPEUTIC TARGET? - THE ERA AFTER THE DISCOVERY OF ENOS UNCOUPLING

- Wed 293 DHEA prevents pulmonary arterial hypertension in a rodent model of pulmonary hypertension in infants
Jean-Pierre Savineau, (France), T Ducret, J-F Quignard, G Simon, R Marthan

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- Wed 294 Mechanism of antiproliferative action of *Xylopia aethiopica* (annonaceae) dried fruits extract on human cervical cancer cells
Oluwatosin Adaramoye, (Nigeria), N Singh, S Meena, B Changkija, R Konwar, J Sarkar
- Wed 295 The analgesic and antiinflammatory activities of the aqueous leaf and stem extract of *Asystasia gangetica*
Olufunmilayo O Adeyemi, (Nigeria), FR Aigbe, GN Uyaiabasi
- Wed 296 *In vivo* antioxidant activity of *Byrsocarpus coccineus* Schum. and Thonn. (Connaraceae) extract in carbon tetrachloride-induced hepatotoxicity in rats
Olufunmilayo O Adeyemi, (Nigeria), A Akindele, K Ezenwanebe, C Anunobi
- Wed 297 Cardiac and renal effects of *Tityus serrulatus* venom and a new isolated peptide
Renata S Alves, (Brazil), ARC Jorge, RM Ximenes, A Havt, NRF Nascimento, AMC Martins, MH Toyama, HSA Monteiro
- Wed 298 Evaluation of the anticonvulsant activity of *Zanthoxylum capense* (Thunb.) Harv. (Rutaceae) leaf methanol extract in mice
George Amabeoku, (South Africa), CG Kinyua
- Wed 299 Improving the antibacterial activity of lysozyme by conjugation with polysaccharides
Mahmoud Aminlari, (Iran)
- Wed 300 Shikonin, a natural naphthoquinone, promotes wound healing in intestinal epithelial cells-18
Isabel Andújar, (Spain), MC Recio, JL Ríos
- Wed 301 A new anticoccidial product developed from *Artemisia sieberi* plant
Hossein Ali Arab, (Iran), A Rasouli, J Kaboutari, S Rahbari
- Wed 302 Evaluation of the gastric antiulcer activity of a proteolytic fraction from *Carica candamarcensis* latex
Ana Cândida Araújo e Silva, (Brazil), FO Lemos, C Figueiredo, CTR Viana, CM Souza, CE Salas, MTP Lopes
- Wed 303 Antinociceptive activity of fruits of methanolic extract of *Capparis ovata* in mice
Rana Arslan, (Turkey), N Bektas
- Wed 304 Evaluation of hepatoprotective activity of *Garcinia indica* in rodents: evidence of antioxidant activity
Hardik D Ashar, (India), VS Panda
- Wed 305 Effects of free D-amino acids present in foods on human dermal fibroblasts
Yutaka Ashida, (Japan), S Shimada, C Okamura, M Mita, K Hamase
- Wed 306 Several fruit and berry juices and purées are potent inducers of endothelium-dependent relaxations in the porcine coronary artery via activation of nitric oxide and endothelium-derived hyperpolarizing factor pathways
C Auger, S Trinh, J-H Kim, T Chataigneau, Valerie B Schini-Kerth, (France)
- Wed 307 Effect of the anthraquinone compound rhein on human colon adenocarcinoma cell proliferation
Gabriella Aviello, (Italy), I Rowland, C Gill, AM Acquaviva, R Capasso, F Capasso, F Borrelli
- Wed 308 Inhibitory actions of carvacrol 1,4-cineole but not 1,8-cineole on field stimulation of isolated rat vas deferens: Role of isopropyl group as a pharmacophore
Suleyman Aydin, (Turkey), Y Cakmakci
- Wed 309 The effects of carvacrol thymol and propofol on isolated rat atrium
Yasemin Aydin, (Turkey), S Arkan, S Aydin,

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- Wed 310 Pharmacological screening of medicinal plants in Swaziland
Peter Aziba, (Nigeria)
- Wed 311 Effects of surfacen in low and maintained dose in the treatment of ARDS. Preliminary results.
Yinet Barrese Pérez, (Cuba), Y Avila Albuerne, E Díaz Casañas, O Fernández Lima, R Uranga Piña
- Wed 312 Effects of the endemic plant, *Eryngium kotschyi*, on rat isolated ileum and detrussor muscle
E Baydan, M Kartal, S Aslan, S Ýnce, Begum Yurdakok, (Turkey), H Ekici, H Alp
- Wed 313 Honey: the oldest modern remedies for mastitis
Mokhtar El-Bachir Benhanifia, (Algeria), L Boukraâ
- Wed 314 Study of influency indol-3-carbinol, epigallocatechin-3-gallate and soy on proliferation diseases of the reproductive system in women
Nadyia Berdnikova, (Russian Federation), L Zorina, S Serebrova,
- Wed 315 Study of the antihypertensive potential of Indian medicinal plant, *Emblica officinalis*, in a rat model of hypertension
Jagriti Bhatia, (India), F Tabassum, DS Arya, S Joshi, AK Shrivastava
- Wed 316 Anti-inflammatory and antiproliferative potential of extracts and purified fractions from Mediterranean marine algae
Abderrahmene Bouraoui, (Tunisia), W Chaouch, L Mhadhebi, A Dellai, M Dridi, F Berrue, R Kerr, J Robert
- Wed 317 Today's use of medicinal natural products by Italian women in Sicily
Gioacchino Calapai, (Italy), A Pieratti, D Crupi, A De Sarro
- Wed 318 Anti-inflammatory effects of the pentacyclic triterpenes α , β -amiryns on animal models of irritative contact dermatitis induced by tetradecanoylphorbol 13-acetate
Iana Calou, (Brazil), D Gonçalves, T Melo, T Olinda, GA Brito, M Chaves, F Santos
- Wed 319 The anti-inflammatory effect of the pentacyclic triterpenes α and β amiryns on animal model of delayed hypersensitivity induced by repeated applications of oxazolone
Iana Calou, (Brazil), D Gonçalves, T Olinda, T Melo, I Figueiredo, M Chaves, V Rao, F Santos
- Wed 320 Molecular mechanisms of *Pistacia lentiscus* essential oil antiproliferative activity
Elisabetta Casarin, (Italy), B Barocco, A Buriani, M Carrara
- Wed 321 Effect of chromium enriched fermentation product of barley and beer yeast and its combination with rosiglitazone on experimentally induced hyperglycemia in mice
Vlada Cekic, (Republic of Serbia), V Vasovic, V Jakovljevic, D Lalosevic, M Mikov
- Wed 322 Inhibition of catecholamine secretion by a terpenoid extracted from *Syneilesis aconitifolia* (Bunge) maxim in cultured bovine adrenal chromaffin cells
L Chai, H Mao, Y Su, Han Zhang, (PR China), H Guo, Z Zang
- Wed 323 Gastroprotective activity of *Annona muricata* L. on ethanol induced gastric lesions in rodents
Pit Foong Chan, (Malaysia), R Abdul Hamid

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- Wed 324 Pharmacological exploration of hypericum perforatum growing in India using rodent models
Shyam Sunder Chatterjee, (Germany), V Kumar
- Wed 325 Structure activity relationship (SAR) of Hyperforin for its antidepressant-like activity profile
Shyam Sunder Chatterjee, (Germany), O Kristhal
- Wed 326 A novel antitussive botanical drug PDC-1427
Jui-Ching Chen, (Taiwan), C-Y Lin, Y-L Ku
- Wed 327 Modulatory effects of the extract of burdock tea on hyperlipidemia rat and rice models
Xiangguo Chen, (PR China), Y Xu, Y Cao, Z Han, P Li
- Wed 328 Approach of action mechanism of TCM-98 and its active component on neuro-inflammation in *In vivo* and *In vitro* models
Yuh-Fung Chen, (Taiwan), Y-W Wang, H-Y Tsai
- Wed 329 Resveratrol inhibits 8-iso-prostaglandin F_{2α} production in young and aged rat brain
Annalisa Chiavaroli, (Italy), L Brunetti, G Orlando, L Menghini, L Recinella, C Ferrante, C Di Nisio, R Shohreh, P Di Michele, M Vacca
- Wed 330 A novel protocol for the discovery of angiogenesis-modulators
Chin-wen C Cho, (UK), J-C Yeh, T-P Fa,
- Wed 331 Improvement of memory in mice and increase of hippocampal excitability in rats by ginsenoside Rg1's metabolites ginsenoside Rh1 and protopanaxatriol
Shifeng Chu, (PR China), J Chen, Y Wang, N Chen, J Zhang
- Wed 332 Crotoxin: a toxin from rattlesnake venom that induces a long-lasting inhibitory effect on the phagocytic activity of neutrophils
Maria Cristina Cirillo, (Brazil), TS Lima, SC Cataneo, SC Sampaio, MC Della-Casa
- Wed 333 Crotoxin: a toxin from rattlesnake venom with potential anti-inflammatory properties
Maria Cristina Cirillo, (Brazil), FPB Nunes, BC Zychar, MS Della-Casa, SC Sampaio
- Wed 334 Involvement of formyl peptide receptors on the long-lasting anti-inflammatory effect of crotoxin, a toxin from rattlesnake venom
Maria Cristina Cirillo, (Brazil), FPB Nunes, BC Zychar, MS Della-Casa, SC Sampaio
- Wed 335 Inhibition of the 26S proteasome complex by chemical constituents of *Smilax Regelii* and its possible chemotherapeutic capabilities on mammary tumours in Sprague Dawley rats
Damian Cohall, (Barbados), PDA Singh
- Wed 336 JNK signalling pathway involves in Aβ₁₋₄₀-induced neuronal death and protective effect of extracts of ginseng and Ginkgo biloba
Weihong Cong, (PR China), J Liu, L Sheng, C Lin
- Wed 337 Oxalis pes-caprae L. inhibit NA concentration-response curves in human internal mammary artery
Maria Cotrim, (Portugal), M Campos, M Gaspar, D Fonseca, C Frigerio, M Antunes
- Wed 338 Comparative studies on the antimutagenicity and antioxidant activities of the fruiting body and mycelium of Thai *Ganoderma lucidum*
Theera Dalodom, (Thailand), A Aramphongphan

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- Wed 339 Heparin prevent the cardiotoxic effect of bothropstoxin I & II
Miguel de Lemos Neto, (Brazil), HD Ricardo, MM Machado, VV Martins, BL Cons, PA Melo
- Wed 340 Hydro-alcoholic extract of açai (an Amazon plant) prevents endothelial dysfunction, oxidative stress and development of renovascular hypertension
Miguel de Lemos Neto, (Brazil), CA Costa, RS de Moura, LCRM Carvalho, PRB Oliveira, AC Resende
- Wed 341 Protective action of hydro-alcoholic extract of açai (an Amazon plant) on experimental metabolic syndrome in C57BL/6 mice
Roberto Soares de Moura, (Brazil), PRB Oliveira, CA Costa, L Carvalho, M de Lemos Neto, AC Resende
- Wed 342 Preventive action of açai (an Amazon plant) hydroalcoholic extract on deleterious effect of cigarette smoke in mouse lungs
Roberto Soares de Moura, (Brazil), AC Resende, M de Lemos Neto, MAS Silva, ETL Trajano, RT Nesi, PJC Sousa, LC Porto, SS Valença
- Wed 343 Gastroprotective effect of *Olea europaea* leaf extract in experimentally induced gastric lesions in rats
Dragana Dekanski, (Republic of Serbia), S Ristic, V Piperski, N Radonjic, N Petronijevic
- Wed 344 Pharmacological profile and therapeutic potentiality of natural product obtain from stem bark of *mangifera indica* l (VIMANG) and its glucosilxantona, mangiferin
Rene Delgado-Hernandez, (Cuba), B Garrido Suarez, D Garcia-Rivera, GL Pardo-Andreu, P Hernandez Casaña, I Hernandez-Balmaseda, N Merino - Garcia, MM Guevara-Garcia, A Alvarez-Leon, Y Maragiño, AJ Nuñez-Selles
- Wed 345 Mechanisms of the dilator action of a Danshen and Gegen formulation on rat basilar artery
Shirly Y Deng, (PR China), FFY Lam, ESK Ng, JHK Yeung, YW Kwan, JCM Koon, PC Leung, KP Fung
- Wed 346 Vasorelaxant effects of coptisine in rat aortic rings
Lian-Hua Fang, (PR China), L-L Gong, J-J Hu, H-L Qin, Y Lv
- Wed 347 Ropren® is a polyprenol preparation from coniferous plants that ameliorates cognitive deficiency in a rat model of β -amyloid peptide-(25-35)-induced amnesia
Yulia Fedotova, (Russian Federation), V Soultanov, V Roschin, T Nikitina
- Wed 348 Effect of *Ulva lactuca* in liver conservation in Wistar rat model
H Ferchichi, I Salouage, S Bacha, L Ouanes, M Lakhal, Anis Klouz, (Tunisia)
- Wed 349 *Asparagus officinalis* regulates cholesterol metabolism and improves antioxidant status in hypercholesterolemic rats
Aaangeles Fernández-Arche, (Spain), D García -Gonzalez, R Saenz-Rodriguez, R Puerta-Vazquez
- Wed 350 Acute oral and acute dermal toxicity study of *Dioscorea hispida* (nami) aqueous plant extract in sprague-dawley rats
Mona Liza Flores, (Philippines)
- Wed 351 Effects of resveratrol on learning and memory in rats
Nejat Gacar, (Turkey), O Mutlu, T Utkan, I Komsuoglu Celikyurt, SS Gocmez
- Wed 352 A Jerte Valley cherry-based product acts as an enhancer of sleep, improves mood and possesses antioxidant properties
Maria Garrido, (Spain), D Gonzalez-Gomez, M Lozano, MT Hernandez, MS Salcedo, SD Paredes, AB Rodriguez

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FC16

NATURAL PRODUCTS: PAST AND FUTURE?

- Wed 353 Pharmacological use of *Borago officinalis*
Anwar-ul-Hassan Gilani, (Pakistan)
- Wed 354 Pharmacological basis for the medicinal use of *Psyllium* husk in constipation and diarrhea
Anwar-ul-Hassan Gilani, (Pakistan, MH Mehmood)
- Wed 355 Antidepressant activity of *Orchis mascula*
Anwar-ul-Hassan Gilani, (Pakistan), S Khan, HS Siddiqi
- Wed 356 Pharmacological basis for the medicinal use of *Origanum Vulgare* Linn. in urolithiasis
Anwar-ul-Hassan Gilani, (Pakistan), A Khan
- Wed 357 The effects of *Lavandula stoechas* extract on cholesterol levels and cardiac functions on ischemia-reperfusion model in isolated rat hearts
Sule Gok, (Turkey), E Olmez, A Sonmez, K Vural, E Daryverenli
- Wed 358 Effect of hydroalcoholic extract of *Embllica officinalis* (HAEEO) against kainic acid induced seizures, oxidative stress and expression of heat shock proteins in rat brain
Mahaveer Golechha, (India), J Bhatia, A Goyal
- Wed 359 Trans-resveratrol enhances eNOS expression and decreases its interaction with caveolin 1 in vascular smooth muscle and endothelial cells
JE Gomez, A Cuiñas, J Leiro, F Orallo, Manuel Campos-Toimil, (Spain)
- Wed 360 Enzymatic inhibition, antioxidant and antibacterial activity of medicinal plant extracts: potential application in the management of type 2 diabetes
Vandana Gulati, (Australia), I Harding, E Palombo
- Wed 361 Effects of high-salt diet and bioactive peptides on mRNA expression of common markers of renin-angiotensin-aldosterone system in Goto-Kakizaki rat aorta
Anne Hakala, (Finland), P Jäkälä, AM Turpeinen, R Korpela, H Vapaatalo
- Wed 362 Sasanquasaponin pretreatment protects cardiocytes from acute anoxia damage via a ERK1/2-HSP70 pathway
M He, Qingxian Zhu, (PR China), D Liu, L Tang, D Yin
- Wed 363 Ginkgolide B slows the cystogenesis and growth in MDCK and embryonic kidney models of polycystic kidney disease via PKA-dependent pathway
Zhou Hong, (PR China), G Jinsheng, Y Baoxue
- Wed 364 Effect of *Crocus sativus* extract on seizure-induced extracellular changes of glutamate and aspartate in the rat hippocampus
Hossein Hosseinzadeh, (Iran), H-R Sadeghnia, A Rahimi
- Wed 365 Preliminary investigation to the clinical application of phospholipase A2 inhibitor from snake serum
Chunghong Huang, (PR China), X Deng, K Chen
- Wed 366 Snake venom C type lectin protein, agacutegrin, inhibits platelet aggregation and carcinoma cell migration
Chunhong Huang, (PR China), S Tu, Z Liao, X Deng, K Chen
- Wed 367 Anti-hepatitis B virus activity in cultured cell line HepG2.2.15 cells of total phenolics extracted from *Oenanthe javanica*
Zheng-Ming Huang, (PR China), X-J Wang, X-B Yang, J-G Song
- Wed 368 Mechanism of inhibition of transcription factor specificity protein 1 by betulinic acid
Jan-Jong Hung, (Taiwan), W-C Chang
- Wed 369 Anti-inflammatory activity of aqueous fruit pulp extract of *Hunteria umbellata* K. Schum in acute and chronic inflammation
Ighodaro Igbe, (Nigeria), P Ching, A Eromon

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- Wed 370 Exploring gender differences in the relaxant effect of quercetin on phenylephrine-contracted normal and diabetic rat aorta
Aloysius Iguegbe, (Malaysia), F Achike, R Mustafa,
- Wed 371 Effects of A2 type botulinum toxin on spontaneous miniature and evoked transmitter release from the rat spinal excitatory and inhibitory synapses
Yushi Ito, (Japan), O Akaike, MC Shin, K Nonaka, T Harakawa
- Wed 372 Tea polyphenols inhibit tube formation in cocultured endothelial cells with fibroblasts
Shinichi Iwai, (Japan), A Tsuboi, C Kurahashi, A Yura, K Oguchi
- Wed 373 Inhibitory effect of piperlongumine on platelet aggregation via collagen receptor
Masaya Iwashita, (Japan), Y Nasu, A Okuda, N Nakahata
- Wed 374 Effects of 3,5,7,3',4'-pentamethoxyflavone on isolated human cavernosum
Chaweewan Jansakul, (Thailand), K Techanaparukse, P Sirirugsa
- Wed 375 Hypotensive constituents and their mechanisms responsible for the hypotensive activity of *Phyllanthus acidus* (L.) Skeels
Chaweewan Jansakul, (Thailand), Y Leeya, M Mulvany, E Queiroz, A Marston
- Wed 376 Antispasmodic effect of *Achillea fillipendula* extract on the guinea pig ileum
Katayou Javidnia, (Iran), R Miri, H Mirkhani, E Faghieh mirzaei, M Sharifi
- Wed 377 Acute oral toxicity and acute dermal toxicity of the aqueous extract of *Gmelina arborea* Roxb. (Family Verbenaceae) leaves
Maria Cesthrine Jane Javier, (Philippines)
- Wed 378 Gene expression profiling of cardioprotective effects of Qi-Shen-Yi-Qi on acute myocardial infarction
M Jiang, G Wang, P Cui, Z Zhao, Xiaoying Wang, (PR China), G Luo
- Wed 379 Proteomic and metabonomic-based investigations on mechanisms of aging of senescence-accelerated mouse and actions of Liuwei and Bawei Dihuang decoctions
Ning Jiang, (PR China), W-X Zhou, Y-X Zhang, X-Z Yan, Q Zhang
- Wed 380 Dyskinesia and plasma DOPA levels in hemi-Parkinsonian rats after chronic oral administration of *Mucuna pruriens* seed extract or L-DOPA methyl ester
Monica Jørgensen, (Denmark), JB Gramsbergen, LP Christensen
- Wed 381 Evaluation of antihyperlipidemic & cardioprotective effect of methanolic extract of *Lagenaria siceraria*
Amitesh Khare, (India), VV Khadke, AW Patil
- Wed 382 STW 5, an herbal preparation, is effective in experimental inflammatory bowel disease
Mohamed T Khayyal, (Egypt), H Abdel-Aziz, W Wadie, DM Abdallah, O Kelber, D Weiser
- Wed 383 The protective effects by the extract from *Platycodon Grandiflorum* against myocardial ischemia in rats
Eun-Joo Kim, (South Korea), M-H Lee, K-S Kim
- Wed 384 Effects of phytoalexin glyceollin isolated from soybean, on vascular contraction in rat aortas
InKyeom Kim, (South Korea)
- Wed 385 Aronia juice, a polyphenol-rich berry juice, induces redox-sensitive activation of endothelial nitric oxide synthase and relaxation in porcine coronary arteries
J-H Kim, C Auger, T Chataigneau, Valerie B Schini-Kerth, (France)
- Wed 386 Inhibitors of Ca²⁺-ATPase thapsigargin and trilobolide possess immunostimulatory properties
Eva Kmonícková, (Czech Republic), J Harmatha, K Vokác, Z Zidek

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NATURAL PRODUCTS: PAST AND FUTURE?

- Wed 387 Effects of antioxidant xanthenes from *Gentiana dinarica* on *Acantoscelides obtectus* aging in vivo
Dijana Krstic-Milosevic, (Republic of Serbia), I Spasojevic, A Nikolic-Kokic, M Spasic, D Blagojevic
- Wed 388 Modulation of vascular reactivity by kaempferol in porcine coronary arteries
Yat Tin Lau, (PR China), SWS Leung, RYK Man
- Wed 389 The effect of Phela, a traditional medicine extract, on interleukin-2 in a rat model
Makhotso R Lekhooa, (South Africa), A Walubo, J Du plessis, G Matsabisa
- Wed 390 A comprehensive method for identification of 'Phela', a traditional herbal medicine, using different chromatographic techniques
Makhotso R Lekhooa, (South Africa), A Walubo, JB Du Plessis, MG Matsabisa
- Wed 391 The use of metabolite peakkinetics to monitor 'Phela', a herbal medicine, in plasma after oral administration in a rat model
Makhotso R Lekhooa, (South Africa), A Walubo, JB Du Plessis, MG Matsabisa
- Wed 392 Treatment of children's asthma with a lipid extract of the New Zealand green lipped mussel (*Perna canaliculus*) (Lyprinol) - a double blind, randomised controlled trial in children with moderate to severe chronic obstructive asthma
James Lello, (New Zealand), A Liang, E Robinson, D Leutenegger, A Wheat

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NEW APPROACHES AND TARGETS IN PSYCHIATRY

- Wed 393 Effects of selected glutamatergic ligands on novelty-induced hyperactivity of GluA1-deficient mouse line
Teemu Aitta-aho, (Finland), C Procaccini, ER Korpi, AM Linden
- Wed 394 The antipsychotic-like effect of myricitrin, a PKC inhibitor in mice
Roberto Andreatini, (Brazil), M Pereira, L Pereira, MABF Vital, ARS dos Santos
- Wed 395 Magnesium sulphate and sodium valproate block methylphenidate-induced hyperlocomotion, an animal model of manic state
Roberto Andreatini, (Brazil), FJ Barbosa, B Hesse, RB de Almeida, IP Baretta
- Wed 396 Neuroprotective effects of the polyphenolic antioxidant agent, Curcumin, against Homocysteine-induced cognitive impairment and oxidative stress in the rat
Amin Ataie, (Iran), M Sabetkasaei, A Haghparast
- Wed 397 The HPA axis, cardio-vascular system and behavior in rat CMS model of depression.
Elena V Bouzinova, (Denmark), S Christiansen, K Henningsen, R Palme, O Wiborg
- Wed 398 The role of CYP2D6 and ABCB1 pharmacogenetics in the clinical efficacy of orally administered risperidone
Nada Božina, (Croatia), N Jovanoviæ, M Lovriæ, V Medved, M Kudumija-Slijepèevic
- Wed 399 Cholinergic and glutamate-nitric oxide Signalling pathways in a genetic animal model of depression, the Flinders Sensitive Line (FSL) rat
Linda Brand, (South Africa), EL Minnaar, J van Zyl, G Wegener, BH Harvey
- Wed 400 Rescue of TGF- β 1 signalling as a new neuroprotective tool in Alzheimer's disease
Filippo Caraci, (Italy), G Battaglia, ML Giuffrida, V Bruno, P Bosco, F Drago, F Nicoletti, A Copani

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NEW APPROACHES AND TARGETS IN PSYCHIATRY

- Wed 401 Neuroplastic changes precede chronic antidepressant responses of the 5-HT₄ receptor agonist RS67333
Elena Castro, (Spain), A Díaz, EM Valdizán, R Vidal, F Pilar-Cuellar, A Pazos
- Wed 402 Expression of VGLUTs in the process of degeneration and acquisition of learning and memory
Xiaorui Cheng, (PR China), Y Zhao, W Zhou, Y Zhang
- Wed 403 Impairment of heme oxygenase-1 expression by the defect of Parkinson-related PINK1 protein
Wei-Lin Chien, (Taiwan), J-R Li, M-J Li, W-M Fu
- Wed 404 Fluvoxamine pharmacokinetics in elderly subjects and patients with chronic heart failure
Sara De Martin, (Italy), R Orlando, M Floreani, P Palatini
- Wed 405 Effect of GABA mimetics on the duration of immobility in behavioral despair swim test
Abdalla Elhwuegi, (Libya), N Zahaf
- Wed 406 The effects of sertraline on behavioral alterations caused by environmental enrichment
Kevser Erol, (Turkey), E Yildirim, E Ulupinar
- Wed 407 Anxiolytic-like effect of SKF-38393 in combination with low dose of 17 β -estradiol in ovariectomized rats
Yulia Fedotova, (Russian Federation)
- Wed 408 Roles of prostaglandin E₂ and its receptor EP1 in adaptive selection of emotional behaviors
Tomoyuki Furuyashiki, (Japan), K Tanaka, S Kitaoka, Y Tanaka, T Mitsumori, S Narumiya
- Wed 409 Oxytocin antagonist prevents pro-cognitive effect of angiotensin IV
Paul Gard, (UK Of Great Britain And Nort), C Naylor
- Wed 410 The involvement of ERK-dependent processes in antidepressant drugs effects on β -arrestins
Moran Golan, (Israel), G Schreiber, S Avissar
- Wed 411 Involvement of 5-HT_{1A} receptors in the effects of cannabidiol injected into the bed nucleus of the stria terminalis on behavioral and cardiovascular responses induced by contextual conditioned fear
Felipe V Gomes, (Brazil), DG Reis, FHF Alves, FMA Côrrea, L Resstel
- Wed 412 Effect of combined oral contraceptives on the serum concentration of olanzapine
Tore Haslemo, (Norway), H Refsum, E Molden
- Wed 413 Involvement of α ₇ nicotinic acetylcholine receptor on the conditioned place aversion induced by naloxone in single-dose morphine-treated rats
Shigeru Ishida, (Japan), Y Ikuta, I Miyazaki, M Asanuma, H Matsunaga, H Araki, H Kawasaki, Y Kitamura
- Wed 414 Serotonergic gene polymorphisms and drug plasma concentration influence therapeutic response to paroxetine in patients with panic disorder
Shin Ishiguro, (Japan), M Ueda, T Watanabe, Y Saeki, T Ayugase, K Akiyama, Y Inoue, S Morita, G Hirokane, N Yamada, K Shimoda
- Wed 415 Association between autonomic nervous system activity in schizophrenia and antipsychotic medication: the comparison of typical and atypical antipsychotic drugs
Yohko Iwamoto, (Japan), I Kisida, M Fujibayashi, S Tanaka, C Kawanishi, N Ishii, Y Hirayasu, T Moritani

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NEW APPROACHES AND TARGETS IN PSYCHIATRY

- Wed 416 Ilex latifolia protects against amyloid β protein (25-35)-induced neurotoxicity in cultured neurons and has antidementia activities in mice
Ha Yeon Jeong, (South Korea), YH Seong
- Wed 417 St. John's wort extract or fluoxetine influence gene expression of hypothalamic and hippocampal tissues in a model of stress induced depression
Peggy Jungke, (USA), G Ostrow, J Li, C Kolb, O Kelber, K Nieber, V Butterweck
- Wed 418 Inhibition by lithium of the nitrergic relaxation of rat anococcygeus muscle
Alireza Karimollah, (Iran), M Ghasemi, MH Ghahremani, AR Dehpour
- Wed 419 Effect of propranolol alone and in combination with alprazolam on elevated plus maze and forced swimming induced-stress in rats
Razia Khanam, (India), F Ahmed, D Vohora, K Pillai
- Wed 420 Investigation of antidepressant and anxiolytic effects of Simvastatin in rats
Fatma Sultan Kilic, (Turkey), Y Özatýk, B Kaygisiz, C Baydemir, K Erol
- Wed 421 The antidepressant and anxiolytic activities of Gabapentine
Fatma Sultan Kilic, (Turkey), S Ismailoglu, C Baydemir, K Erol
- Wed 422 Dysfunction of autonomic nervous system activity in schizophrenia and the influence of neuroleptics
Ikuko Kishida, (Japan), M Fujibayashi, S Tanaka, C Kawanishi, Y Iwamoto, C Ishii, N Ishii, Y Hirayasu, T Moritani
- Wed 423 Effects of cariprazine on D2 and D3 dopamine receptor Signalling mechanisms in vitro
Zsolt Nemethy, (Hungary), B Kiss, S Peterson, K Fazekas, B Masri, M Caron
- Wed 424 Influence of the suppression of cell proliferation and neurogenesis in the ability of antidepressants in an ACTH-induced animal model of treatment-resistant
Yoshihisa Kitamura, (Japan), M Doi, H Hayashi, I Miyazaki, M Asanuma
- Wed 425 Effect of temperature and glucose concentration on anoxic dopamine efflux in the mouse caudate
Steve Knight, (UK), N Chauhan, A Young, C Gibson, C Davidson
- Wed 426 Cognitive enhancers: different targets - common objective
Georgy Kovalev, (Russian Federation), J Firstova
- Wed 427 Neuroprotective effect of rice bran oil on amyloid β protein (25-35)-induced neurotoxicity: *In vitro* and *in vivo*
Hong-Kyu Lee, (South Korea), YH Seong
- Wed 428 Isolation rearing alters protein expression of synaptic markers, myelin markers and GABAB1 receptor in the rat brain
Ann Li Lim, (Australia), DA Taylor, DT Malone
- Wed 429 Multiple therapeutic targets revealed by protein expression profiles analysis in the brains of Balb/c mice subjected to unpredictable chronic mild stress
Yanyong Liu, (PR China), N Yang, C Ji, P Zuo
- Wed 430 Cytochrome P-450 enzyme genetic polymorphisms influence antidepressant escitalopram metabolism and treatment response
Yu-Li Liu, (Taiwan), K-M Lin, M-H Tsai, M-C Hsiao, WW Shen, H-S Tang, C-K Fang, C-S Wu, S-C Lu, SC Liu, C-Y Chen
- Wed 431 Tryptophan hydroxylase 2 (TPH2) gene is associated with major depressive disorder in the three main ethnic groups of the Malaysian population
Al Chin Loke, (Malaysia), LH Lian, NZ Zainal, Z Mohamed
- Wed 432 Antidepressant use and salivary cortisol: the Netherlands Study of Depression and Anxiety (NESDA)
Leonie Manthey, (The Netherlands), C Leeds, EJ Giltay, T van Veen, SA Vreeburg, FG Zitman

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NEW APPROACHES AND TARGETS IN PSYCHIATRY

Wed 433

Increased reuptake masks elevated sensitivity to monoamines in peripheral but not cerebral resistive arteries of rats depressed in response to the chronic mild stress (CMS)

Vladimir Matchkov, (Denmark), E Bouzinova, T Brøgger, NM Nielsen, K Henningsen, C Aalkjær

13:00 - 14:00

Workshop

W33

POSTER HALL

SYNAPTIC EVENTS IN BRAIN FUNCTION

Wed 434

Endomorphin-1 stimulates norepinephrine release in rat hypothalamus

Lucia Recinella, (Italy), L Brunetti, G Orlando, A Mollica, C Ferrante, S Leone, C Di Nisio, R Shohreh, P Di Michele, F Pinnen, M Vacca

13:00 - 14:00

Workshop

W34

POSTER HALL

STATE-OF-THE-ART OF BASIC AND CLINICAL PHARMACOLOGY IN SERBIA

Wed 435

The new association in clinical pharmacology: Section of Clinical Pharmacology Serbian Medical Association

Dragana A Kastratovic, (Republic of Serbia), MM Mikov, VV Stanimirovic, AJ Sabo, SM Jankovic, DR Milovanovic, R Lilic, MH Vukovic, VM Jugovic

Wed 436

Influence of ticlopidine alone and in combination with aspirin on liver function test in rats

Zorica Stanojevic, (Republic of Serbia), R Mitic, S Stevic, M Dejanovic, Z Bukumiric

FC18

NUCLEAR RECEPTOR TARGETS FOR TREATMENT OF DISEASES

Wed 437

Study of 5HT₃ and HT₄ receptors expression in HT29 Cell line and human colon adenocarcinoma tissues

Ramin Ataee, (Iran), S Ajdary, M Zarrindast, M Rezayat, MA Shokrgozar

Wed 438

Effects of gonadectomy on hippocampal aromatase expression in both genders

Nihan Burul-Bozkurt, (Turkey), P Kelicen, C Pekiner

Wed 439

Involvement of autophagy in the sex-different brain injury caused by iron overload

Tzu-Yin Chen, (Taiwan), S-I Lue, C Hsu

Wed 440

Activation of peroxisome proliferator-activated receptor β/δ (PPAR β/δ) by gw501516 prevents fatty acid-induced NF- κ B activation and insulin resistance in skeletal muscle cells

Manuel Vazquez-Carrera, (Spain), T Coll, AM Gomez-Foix

Wed 441

Gastroprotective effect of peroxisome proliferator-activated receptor- γ (PPAR γ) agonist, rosiglitazone against stress-induced gastric mucosal injury in rats

Mohamed A.EL-Moselhy, (Egypt), W H. Nazmy, HM Ibrahim

Wed 442

Synergistic interaction between PPAR agonists and albuterol on human bronchial smooth muscle cell proliferation

Stefano Fogli, (Italy), L Picchianti, F Stefanelli, MC Breschi

Wed 443

Distinct roles for the nuclear receptors Nur77 and Nor-1 in dopamine-mediated and psychostimulant-induced behaviors

Céline Hodler, (Canada), B Paquet, J Baillargeon, P Seeman, D Lévesque

Wed 444

Single-label time-resolved fluorescence based estrogen receptor-ligand binding assay

Roope Huttunen, (Finland), Shweta, E Martikkala, M Lahdenranta, P Hänninen

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- Wed 445 Type II diabetes drug metformin induces transcriptional coactivator PGC-1 α in liver possibly through AMPK independent mechanism
Sanna-Mari Järvenpää, (Finland), J Hakkola
- Wed 446 Bi-transgenic mice expressing human hydroxysteroid (17 β) dehydrogenase 1 (HSD17B1) and estrogen response element (ERE) -reporter gene provide a novel tool to monitor action of HSD17B1 inhibitors
Päivi Järvensivu, (Finland), T Saloniemi, P Koskimies, P van der Saag, M Poutanen
- Wed 447 Downregulation of PPAR α expression by glucose in pancreatic β -cells is mediated by ChREBP
Lars La Cour Poulsen, (Denmark), M Børgesen, SF Schmidt, F Frigerio, P Maechler
- Wed 448 Cytochrome P450 2A5 expression is dependent on redox-sensitive transcription factor Nrf2 in liver
Virpi Lämsä, (Finland), A-L Levonen, H Hurttila, S Ylä-Herttuala, M Yamamoto
- Wed 449 Progesterone receptor activation of extra-nuclear Signallingpathways in regulating p53 expression in vascular endothelial cells
Wen-Sen Lee, (Taiwan), S-P Hsu

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FC10

DRUGS FOR HALF THE WORLD: PAEDIATRIC CLINICAL PHARMACOLOGY

- Thu 001 Sy Cushing at the child with asthma, case report
Milica Martinovic, (Republic of Serbia)
- Thu 002 Using Adapt® in paediatric patients: pharmacokinetic modelling for lamotrigine
Janet Mifsud, (Malta), D Soler, H Shabbi
- Thu 003 Effects of paracetamol during first days of life
Petra Millfors, (Sweden), KJS Anand, LL Bergqvist
- Thu 004 Effect of soybean on male reproductive physiology
Mehrdad Modaresi, (Iran), M Messripour, H Khorami
- Thu 005 Clinical efficacy of bovine colostrum in non-organic failure to thrive
Yashar Moharamzad, (Iran), Y Panahi, G Falahi, M Falahpour
- Thu 006 Blood level of Cyclosporine-A in Iranian renal transplant patients
Manijeh Motevalian, (Iran), H Otukesh, RH Shamsabadi, M Chalian
- Thu 007 Safety in paediatric drug trials – an update from randomised controlled trials published in 2007
KNB Nor Aripin, Helen M Sammons, (UK), I Choonara
- Thu 008 The effect of premedication for intubation on amplitude-integrated electroencephalography in a randomized blinded intervention study of preterm infants
Elisabeth Norman, (Sweden), S Wikström, I Rosén, V Fellman, L Hellstrom-Westas
- Thu 009 Pediatric outcomes following in utero exposure to psychotropic medications: an update
Irena Nulman, (Canada)
- Thu 010 Pharmacokinetics, pharmacodynamics and bioequivalence of dexamethasone liquid and tablet formulations
Christian Queckenberg, (Germany), B Wachall, P Di Gion, D Tomalik-Scharte, M Abdel-Tawab
- Thu 011 Population pharmacokinetics of hydrocortisone in extremely premature infants
Hesty Ramadaniati, (Indonesia), B Charles, H Liley
- Thu 012 Saliva efavirenz levels as a non-invasive alternative to determine adherence in children
Malie Rheeders, (South Africa), M Viljoen, A Theron, T Meyers
- Thu 013 Clinical trial of epigallocatechin-3-gallate in Duchenne muscular dystrophy
Urs T Ruegg, (Switzerland), A von Moers, F Paul, Y Nakae, O Dorchies
- Thu 014 Discovery of novel pharmacological chaperones for phenylketonuria
S Santos Sierra, (Austria), A Perna, J Kirchmayer, K Kemter, DD Messing, AC Muntau, H Glossmann, G Wolber, Florian B Lagler
- Thu 015 Oral antibodies to S100 protein in attention deficit and hyperactivity disorder: first clinical trial in children
Svetlana Sergeeva, (Russian Federation), JL Dugina, IA Kheifets, OI Epstein
- Thu 016 Prevalence of CYP2B6-516G>T polymorphism in black South African HIV-infected children on efavirenz based antiretroviral therapy
Michelle Viljoen, (South Africa), C Dandara, M Rheeders, KR Conradie, HS Kruger, TM Meyers
- Thu 017 Population pharmacokinetics of carbamazepine and its metabolite in Chinese children with epilepsy
Li Wang, (PR China), Y Liu
- Thu 018 Evaluation of a limited sampling strategy for determination of the mycophenolic acid-AUC in different renal pediatric patients
Martin Wiesen, (Germany), M Feldkötter, H Stützer, C Müller

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DRUGS FOR HALF THE WORLD: PAEDIATRIC CLINICAL PHARMACOLOGY

Thu 019

Asthma drug regimens and health service utilization: what impact do changes in the optimal use of medication have on children with asthma?

Tingting Zhang, (Canada), A Smith, R Prosser, B Carleton

Thu 020

Pharmacoepidemiological studies in Chinese and Canadian children - lack of comprehensive prescription data a major limitation

Tingting Zhang, (Canada), Z Li, A Smith, Y Wang, D Cao

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FC11

G PROTEIN-COUPLED 7TM RECEPTORS: FROM MOLECULAR TO PHYSIOLOGICAL FUNCTION

Thu 021

Synthesis and characterization of peripherally selective CB1 receptor antagonists

Rangan Maitra, (USA), Y Zhang, M Roche, J Tajuba, R Snyder, T Fennell, B Thomas, H Seltzman

Thu 022

The role of dopaminergic receptors in the inhibition of the vasopressor sympathetic outflow in pithed rats

Guadalupe Manrique-Maldonado, (Mexico), A González-Hernández, BA Marichal-Cancino, A Sánchez-López, D Centurión

Thu 023

Association of β 3-adrenergic receptor polymorphism with contractile responses in human atrium

Alina Marandykina, (Lithuania), A Bogdelis, D Zablockaitė, R Treinys, VA

Thu 024

Brain region specificity of 5-HT_{1A} receptor activation by selective agonists demonstrated by functional autoradiography

Jean-Claude Martel, (France), N Leduc, A Newman-Tancredi,

Thu 025

Constitutive activation is responsible for the intracellular predominance of the C18S mutant AT₁ receptor of angiotensin II

Renan Martin, (Brazil), E Rodrigues, L Oliveira, S Shimuta

Thu 026

A novel nanoscale high throughput assay screening membrane based protein-protein interactions

S Mathiasen, Vikram Kjøller Bhatia, (Denmark), S Pedersen, K Strømgaard, D Stamou

Thu 027

Development and characterization of a β 2 adrenergic receptor cAMP biosensor assay

Jesper M Mathiesen, (Denmark), H Bräuner-Osborne

Thu 028

Molecular organization and dynamics of the MT₁ melatonin receptor/RGS20/Gai protein complex reveal asymmetry of receptor dimers for RGS coupling

P Maurice, AM Daulat, R Turecek, K Ivankova-Susankova, F Zamponi, B Bettler, P Delagrèze, Ralf Jockers, (France)

Thu 029

The pharmacology of GluN3 containing NMDA receptors

David McClymont, (UK), I Mellor

Thu 030

Synergy between α -1-adrenoceptor subtypes and P2X receptors in nerve induced vascular responses revealed by successive α -1-adrenoceptor knockouts and antagonists

John McGrath, (UK), C Daly, P Simpson, E Wallace, L Methven

Thu 031

Regulation of noradrenaline release by administration of stressin I into the locus coeruleus: a brain microdialysis study in awake rat

J Javier Meana, (Spain), I Horrillo, JE Ortega

Thu 032

GRK6 regulates the desensitization of 5-HT₄ receptors in the rat oesophagus

Teshome Nedi Megersa, (Australia), H Irving, I Coupar, P White

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FC11

G PROTEIN-COUPLED 7TM RECEPTORS: FROM MOLECULAR TO PHYSIOLOGICAL FUNCTION

- Thu 033 The relationship between GR α and NF κ B related proteins in children idiopathic nephrotic syndrome
Ladislav Mirossay, (Slovak Republic), K Szilagyi, L Podracka, A Mirossay, J Mojzis
- Thu 034 Identification of a novel ligand for glutamate receptor β_2
Masayoshi Mishina, (Japan), T Uemura, S-J Lee, M Yasumura, T Yoshida
- Thu 035 New HTRF solutions for cell surface receptors study and screening. Application to GPCR dimerization and highly selective ligand binding assays
Hamed Mokrane, (France), E Trinquet, T Roux, L Comps-Agrar, J-P Pin
- Thu 036 The conserved Trp IV:10 (4.50) together with Ser/Asn II:05 (2.45) are crucial for 7TM receptors activation and might be a putative cholesterol binding site
Jacek Mokrosinski, (Denmark), R Nygaard, MS Engelstoft, L Valentin-Hansen, B Holst
- Thu 037 Screening and characterization of GPCR C-terminal tail interactions with the PSD-95 PDZ domains
Thor Møller, (Denmark), P Jacky, A Bach, K Strømgaard, T Schwartz
- Thu 038 Novel pathway of smooth muscle contraction by UTP in rat aortic myocyte
Hikomitsu Morita, (Japan), M Sugihara, M Matsuda, S Kajioaka, Y Ito, M Hirata
- Thu 039 β_3 -adrenoceptors substitute the role M2 muscarinic receptors in the heart of stressed mice
Jaromir Myslivecek, (Czech Republic), M Novakova, V Farar, R Kvetnansky
- Thu 040 Presynaptic BK channels activated by IP3-induced Ca²⁺ release are involved in prostanoid TP receptor-mediated inhibition of noradrenaline release from the rat gastric sympathetic nerves
Kumiko Nakamura, (Japan), K Yokotani
- Thu 041 Mutational analysis of an M4 muscarinic acetylcholine receptor allosteric site
Vindhya Nawaratne, (Australia), K Leach, CC Felder, PM Sexton, A Christopoulos
- Thu 042 The involvement of nitric oxide in the local antinociceptive effects of JWH-015 and expression of cannabinoid-2, μ - and δ -opioid receptors during chronic inflammatory pain in mice
R Negrete, J Martín-Campos, A Hervera, S Leánez, Olga Pol (Spain)
- Thu 043 Pharmacological evaluation of new bivalent ligands aimed to interact with orthosteric and allosteric sites of mAChRs
Marta Nesi, (Italy)
- Thu 044 Conditional mutant mouse with enhanced G α -i2 signalling due to loss of regulator of G protein signalling (RGS) regulation
Richard Neubig, (USA), X Huang, S Wade, R Charbeneau
- Thu 045 Pertussis toxin inhibits EP4 and IP receptor-mediated cAMP production in adult rat dorsal root ganglion cells
Kai-Yu Ng, (PR China), Y-H Wong, H Wise
- Thu 046 Identification of Adrenergic Receptor Interacting Protein (ARIP), as a novel receptor-interacting protein that modulates α_{1A} - and α_{1L} -adrenoceptor expression
Atsushi Nishimune, (Japan), F Suzuki, H Yoshiki, S Morishima, I Muramatsu
- Thu 047 G protein-coupled estrogen receptor 1 function *In vivo* and *in vitro*
B Olde, C Sandén, S Broselid, U Mårtensson, Fredrik Leeb-Lundberg, (Sweden)
- Thu 048 The expression of cardiac and lymphocytic GRKs in human cardiovascular diseases correlated to the expression levels of β -ARs
Eduardo Oliver, (Spain), F Monto, D Vicente, J Agüero, EE Rovira, P D'Ocon

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- Thu 049 Conditional functional selectivity of β_2 -adrenoceptor ligands in stimulating adenylyl cyclase and ERK phosphorylation in HEK 293 cells
Gülnehal Özcan, (Turkey), A Kaya, O Onaran, Ö Ugur
- Thu 050 The three α_1 -AR subtypes show different spatio-temporal patterns of ERK1/2 phosphorylation and internalization
Miguel Perez-Aso, (Spain), V Segura, M-A Noguera, P D'Ocon
- Thu 051 Chimaering orexin receptors reveal selectivity-conferring areas for orexins
Jaana Putula, (Finland), P Turunen, L Johansson, R Ra, J Näsman
- Thu 052 Effects of route of administration on dexmedetomidine pharmacokinetics in C57Bl/6J and α_{2A} -adrenoceptor knock-out mice
Ville Ranta-Panula, (Finland), M Lahtinen, S Tikka, T Streng, M Scheinin
- Thu 053 Local enhanced contractile response of ETB, 5-HT_{1B} and AT₁ receptors following distal focal permanent occlusion
Marianne NP Rasmussen, (Denmark), M Hornbak, L Edvinsson,
- Thu 054 Functional and morphological characterization of presynaptic A₁ and A₃ adenosine receptors in the superior mesenteric artery of spontaneously hypertensive rats
C Rocha-Pereira, P Fresco, S Arribas, MC González, MV Conde, Carmen Diniz, (Portugal)
- Thu 055 The orphan GPR50 receptor promotes transforming growth factor β (TGF β) signalling by interacting with the TGF β type I receptor
A Saade, A Daulat, N Ferrand, P Delagrangue, Nathalie Clement, (France), C Prunier, R Jockers
- Thu 056 DMSO-lipid soluble cigarette smoking particles upregulate contractile endothelin type B and thromboxane A₂ receptors of rat middle cerebral arteries
Hardip Sandhu, (Denmark), C-B Xu, L Edvinsson,
- Thu 057 Involvement of H₂O₂ in adenosine-mediated regulation of coronary flow
Maryam Sharifi Sanjani, (USA), B Teng, T Krahn, S Tilley, C Ledent
- Thu 058 β -arrestin 1 and 2 stabilize the Angiotensin II type 1 receptor in distinct high-affinity conformations
Samra Joke Sanni, (Denmark), JT Hansen, MM Bonde, T Speerschneider, GL Christensen, S Gammeltoft, JL Hansen
- Thu 059 Receptor localization to caveolae regulates differential G protein coupling of mouse β_3 -adrenoceptor splice variants
Masaaki Sato, (Australia), D Hutchinson, B Evans, R Summers
- Thu 060 Pharmacological characterisation of an allosteric small-molecule agonist for the chemokine receptor CXCR3
Danny Scholten, (The Netherlands), M Canals, S de Munnik, M Wijtmans, I de Esch, R Leurs
- Thu 061 Overexpression of kinin B₁ receptor induces increased reactivity of DBK and BK in transgenic rat aorta
Suma Imura Shimuta, (Brazil), RF da Silva, JB Pesquero, RP Martin, ES Rodrigues
- Thu 062 Role of the α_2 adrenoceptors subtypes in regulation of gastric motor activity in the rat and mouse
Nashwan Shujaa, (Hungary), Z Zadori, M Al-khrasani, M Rossi, L Hein
- Thu 063 Sorting nexin-25 interacts with D₁ and D₂ dopamine receptors to regulate receptor expression and signaling
David Sibley, (USA), R Free, Y Namkung, L Hazelwood, C Furman

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- Thu 064 Crosstalk between excitatory A_{2A}, NK₁ and M₃ receptors on a tripartite myenteric synapse
Isabel Silva, (Portugal), D Fernandes, F Ferreirinha, C Vieira, M Duarte-Araújo
- Thu 065 Cell-based screening for modulators of regulator of G protein Signallingprotein 9 (RGS9) – implications in Parkinson's disease
Benita Sjögren, (USA), RR Neubig
- Thu 066 Rapid functional upregulation of ETB receptors in rat coronary arteries during myograph studies
Gry Freja Skovsted, (Denmark), AF Pedersen, M Sheykhzade, L Edvinsson
- Thu 067 Identification of G protein-coupled receptor (GPCR) targets using RT-PCR array: validation of PAR1 as the most highly expressed GPCR in regulation of cardiac fibroblasts
Aaron Snead, (USA), P Insel
- Thu 068 Evidence for an anti-inflammatory role of the Ang(1-7)-Mas receptor axis in LPS-induced macrophages
Laura Souza, (Brazil), C Costa-Neto
- Thu 069 Characterization of bimodal multivalent interactions for the bifunctional muscarinic receptor (mAChR) antagonist and β 2-adrenoceptor agonist (MABA), THR_X 198321
Tod Steinfeld, (USA), AD Hughes, U Klein, JAM Smith, M Mammen
- Thu 070 Expression of NMDA receptor subunits NR1 and NR2A and metabotropic mGluR1 immunoreactivity in the intertrigeminal region of the lateral pons in rats
Milan Stojilkovic, (Republic of Serbia), S Pesic, N Stojilkovic, V Nikolic
- Thu 071 Cardiovascular effects of dexmedetomidine in awake α 2A-adrenoceptor knock-out mice
Tomi Streng, (Finland), V Ranta-Panula, S Tikka, M Scheinin
- Thu 072 Muscarinic acetylcholine receptor subtypes involved in carbachol-induced HCO₃⁻ secretion in mouse duodenum *in vitro*
Koji Takeuchi, (Japan), M Koyama, K Takahashi, E Aihara, N Kurata
- Thu 073 Induction of kinin B1 receptor by stimulation of TRPV1
S Talbot, J Pena Dias, Réjean Couture, (Canada)
- Thu 074 ADP receptor P2Y₁₃ induce apoptosis in pancreatic β -cells
Chanyuan Tan, (Sweden), A Salehi, S Svensson, B Olde, D Erlinge
- Thu 075 Structural analysis of two selective inhibitors of G protein-coupled receptor kinase 2
David Thal, (USA), R Yeow, J Tesmer
- Thu 076 α 2-adrenoceptor mediated increases phosphorylation of MAP-2c in rat pheochromocytoma cells (PC12 cells) via a protein kinase C- and mitogen activated protein kinase-dependent mechanism
Lu Tie, (China), X-J Li
- Thu 077 Manganese enhances agonist binding to 5-HT_{1A} receptors by inhibiting guanosine nucleotide binding to receptor-coupled G-proteins
Lauri Tontson, (Estonia), S Parkel, A Rincken,
- Thu 078 Heteromerization of HCMV encoded chemokine receptors
Pia Tschische, (Austria), K Tadagaki, M Kamal, R Jockers, M Waldhoer
- Thu 079 TRPC2 channels modulate both calcium- and cAMP-mediated Signalling in rat thyroid FRTL-5 cells
Minna Vainio, (Finland), P Sukumaran, Cr Löf, K Törnquist

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- Thu 080 Similar adenosine A1 receptor allosteric agonists require different orthosteric site conformations for stimulus transmission
Celine Valant, (Australia), L Aurelio, P Scammells, P Sexton, A Christopoulos
- Thu 081 Proteinase activated receptor 2 (PAR-2) and toll like receptor 4 (TLR4) receptors cross-talk in rat vascular reactivity
Valentina Vellecco, (Italy), M Bucci, V Brancaleone, F Roviezzo, R Meli, G Cirino
- Thu 082 Mutation of the S1P1 receptor differentially affects Signalling by agonists
Dennis Verzijl, (The Netherlands), P Van Loenen, C De Graaf, R Didier, S Peters
- Thu 083 LSP4-2022 is a new selective and potent mGlu4 agonist with antihyperalgesic effect
Bruno Vilar, (France), J Busserolles, I Brabet, B Ling, F Acher, A Eschalier, C Goudet
- Thu 084 Ca²⁺-signalling of α_{2B} -adrenoceptors in A7r5 vascular smooth muscle cells
Anne Vuorenperä, (Finland), A Huhtinen, M Scheinin
- Thu 085 Oligomerization of chemokine receptors CXCR3 and CXCR4
Anne Watts, (The Netherlands), M van Lipzig, S Jähnichen, R Alimahomed, G Zaman, N Siderius, H Vischer, M Smit, R Leurs
- Thu 086 Supported cell-membrane sheets as a model system to analyze pathways of intracellular GPCR signaling
Volker F Wirth, (Denmark), TC Møller, KL Martinez
- Thu 087 The structural and functional landscape of the ADP receptor P2Y12
Doreen Wittkopf, (Germany), M Cöster, A Kreuchwig, K-U Simon, G Kleinau, G Krause, T Schöneberg
- Thu 088 Rapid characterization of bimatoprost pharmacology in human ocular cells by using cellular dielectric spectroscopy
David Woodward, (USA), J Wang, D Piwnica, R Carling, C Cornell, D Stamer
- Thu 089 Characteristics of junctophilin 3 and 4 expressions in neurons derived from mouse embryonic stem cells
Jiaying Wu, (PR China), Y Gao, H Wang, X Zhang, W Zhu, Y Shen, H Yu, Q Wang, Y Lou
- Thu 090 T-type calcium channels mediate nicotine-induced cerebral neurogenic nitric oxide vasodilation
Yin-Chieh Wu, (Taiwan), HC Lee, PY Chen, MH Nam, MF Chen
- Thu 091 Pharmacological characterization of the first potent and selective cysteinyl leukotriene 2 receptor antagonist
Frank Wunder, (Germany), H Tinel, R Kast, A Geerts, E-M Becker, J Hütter, J Ergüden, M Härter
- Thu 092 Oestrogen confers cardioprotection by up-regulating β_2 -AR
C Xu, A Liu, Hong Sun, (PR China)
- Thu 093 Serotonin 5-HT_{2C} receptors alters gene expression of amyloid precursor protein
Ming Yin, (PR China), LC Guo, J Zhang
- Thu 094 Endomorphins are potential endogenous regulators of the gastric mucosal integrity
Zoltan Zadori, (Hungary), N Shujaa, A Rónai, K Gyires
- Thu 095 Biochemical analysis of the cleaved n-terminal of the PAR1 receptor
Dimitrios Zampatis, (Germany), N Tsopanoglou, R Schuelein

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Thu 096

The presence of P2X receptors in CD34-positive cells of human umbilical cord blood

Airat U Ziganshin, (Russian Federation), RR Kazakova, IG Moustafin, DV Nurullina, GZ Sagdieva, LE Ziganshina

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ION CHANNELOPATHIES: NEW WINDOWS ON COMPLEX DISEASE AND THERAPY

Thu 097

Administration of clarithromycin and furosemid alters cardiac ion channel gene expression and induces β -adrenergically evoked Torsades de Pointes in rat
Jan Klimas, (Slovak Republic), J Kmecova, K Mackovicova, P Vavrinec, P Krenek, P Ochodnický

Thu 098

Different mutations in the ABCC8 gene can either enhance or reduce sulfonylurea receptor 1 mediated apoptosis

Martina Lösle, (Germany), S Ackermann, S Hiller, A Hambroek

Thu 099

Decreased expression of connexin 26 in the cochlear spiral ligament fibrocyte following intense noise exposure

Reiko Nagashima, (Japan), T Yamaguchi, H Tanaka, A Matsushita, K Ogita

Thu 100

Effect of mebudipine and dibudipine two new calcium channel blockers in comparison to nifedipine on vascular flow of isolated kidney from diabetic rat

Lili Sepehr-Ara, (Iran), M Mahmoudian

Thu 101

Anticonvulsive evaluation of THIP in the murine pentylenetetrazole kindling model

Charlotte Simonsen, (Denmark), A Kloppenburg, K Sonderskov, U Kristiansen, S Hansen

Thu 102

Function of BK-VDCC complex in vascular smooth muscle cells

Yoshiaki Suzuki, (Japan), H Yamamura, S Ohya, Y Imaizumi

Thu 103

Assessment of salivary AQP5 as a biomarker for xerostomia

Di Wang, (Japan), F Iwata, Y Pan, M Muraguchi, K Ooga, M Takai, X-J Li, T Mori, Y Ishikawa

Thu 104

Angiotensin II inhibites IKr /hERG channels through protein kinase C- ϵ

Yuhong Wang, (PR China), J Xu, X Chen, Y Xu

Thu 105

Protein kinases modulate store-operated channels in pulmonary artery myocytes

Bin-Nan Wu, (Taiwan), I-S Chen, D Welsh, Z-K Dai, I-J Chen

Thu 106

Localization of BKCa channels and effect of BKCa channels on CGRP release in the rat trigeminal nucleus caudalis

Helle Wulf-Johansson, (Denmark), DV Amrutka, A Hay-Schmidt, A Poulsen, D Klaerke, I Jansen-Olesen

Thu 107

Molecular assembly in functional Ca²⁺ microdomain in vascular smooth muscle cells

Hisao Yamamura, (Japan), S Ohya, Y Imaizumi

Thu 108

Studies on epileptic animal model bearing a genetic abnormality identified in autosomal dominant nocturnal frontal lobe epilepsy (ADNFLE) and benign familial newborn baby convulsions (BFNC) of human

Sayaka Yamashita, (Japan), M Nagano, Y Tanaka, M Deshimaru, M Okada, S Hirose, R Saito, K Honda, Y Takano

Thu 109

Mechanisms of amphotericin B-induced renal tubular cell injury

Takahisa Yano, (Japan), Y Itoh, E Kawamura, A Maeda, Y Arimura, M Nishida, H Kurose, R Oishi

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- Thu 110 Lacritin, a novel secretagogue, increases tear flow in rabbits
Sandeep Samudre, (USA), J Sheppard, F Lattanzio, G Laurie, R McKown
- Thu 111 Crono-pharmacokinetic of irinotecan after hepatic intra arterial perfusion in patients with metastatic colon carcinoma
Francesco Scaglione, (Italy), S Bareggi, A Nasisi, G Bondiolotti, M Pirovano
- Thu 112 Blunted reward system activation to erotic stimuli under paroxetine as compared to bupropion or placebo in healthy subjects
Angela Seeringer, (Germany), B Abler, A Hartmann, G Groen, M Walter
- Thu 113 Transient neurological disturbance in a patient with lamotrigine overdose
Anshuman Sengupta, (UK), O Martin, G Lane, P Patel, S Abbasi
- Thu 114 Plasma serotonin levels and influence of granisetron on pharmacokinetics and pharmacodynamics of omeprazole in healthy subjects and patients with peptic ulcer disease
Svetlana Serebrova, (Russian Federation), A Starodubtzev, S Kondratenko, G Belyakova, N Berdnikova
- Thu 115 Amphotericin B molecular organization and the particle size as essential factors to reduce its toxicity by hemolysis
Dolores R Serrano Lopez, (Spain), HKR Saldaña, JTT Durán, PB Papantonakis, ST Durán
- Thu 116 Chemical forms of mercurials differentiate the potential of mercury for toxicity from that for medicinal remedy
Jing Zhen Shi, (PR China), F Kang, Q Wu, YF Lu, J Liu
- Thu 117 Effect of a novel fungal triprenyl phenol metabolite (Cpd-7) on acetic acid-induced embolic cerebral infarction model in mice
Keita Shibata, (Japan), T Hashimoto, K Nobe, K Hasumi, K Honda
- Thu 118 Evaluation of clinical relevance of drug interactions based on metabolism: comparison of two CDK inhibitors
Michal Siller, (Czech Republic), P Anzenbacher, E Anzenbacherova, K Dolezal, M Strnad
- Thu 119 Antihypertensive treatment and blood pressure control in primary health care
D Silva, Isabel Vitória Figueiredo, (Portugal), A Figueiras, MT Herdeiro, M Caramona
- Thu 120 Drug use pattern in hospital outpatients and private practice in Sylhet city of Bangladesh
Sharadindu Kanti Sinha, (Bangladesh), WR Choudhury, MR Choudhury
- Thu 121 SLCO1B1 and CYP2C9 genetic variants could be associated with fluvastatin induced side effects in solid organ allotransplant recipients: case series
NM Skvrce, L Zibar, Nada Božina, (Croatia), VM Sarinic, S Tomic
- Thu 122 Effects of fulleranol on rat uterus contraction and antioxidative enzymes activity
Marija Slavic, (Republic of Serbia), Z Orescanin-Dusic, R Radojicic, S Milovanovic, A Djordjevic, D Blagojevic
- Thu 123 The HLA class I B*1801 allele influences hepatocellular expression of amoxicillin-clavulanate liver damage and outcome in Spanish patients
Camilla Stephens, (Spain), MA Lopez-Nevot, RJ Andrade, F Ruiz-Cabello, MC Fernandez, G Soriano, M Romero-Gomez, JM Navarro, JL Solís-Herruzo, J Costa, Maribel Isabel Lucena
- Thu 124 Antimicrobial consumption and polypharmacy in patients on immunosuppressive therapy
Jan Strojil, (Czech Republic), P Langerová, K Urbánek

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- Thu 125 Gentamicin pharmacokinetics estimated using rat model of early sepsis with capillary leak syndrome
Studena Studena, (Czech Republic), J Martinkova, J Chladek, D Slizova, O Krs, J Zahora
- Thu 126 Analysis of proarrhythmic effects of typical IKr blockers using human ES/iPS cell-derived cardiomyocytes
Atsushi Sugiyama, (Japan), T Kitamura, F Nomura, T Kaneko, P Sartipy, K Yasuda
- Thu 127 Routine use of pharmacogenetic tests for detection of CYP2C19 genetic polymorphisms in Clopidogrel non-responders in resource limited setting
Chonlaphat Sukasem, (Thailand), R Tunthongb, V Pairoj, C Srichunrasamia, P Vathesatogkit, W Chantratita
- Thu 128 Determination of Olanzapine in human plasma by a validated LC-MS/MS method
Dobrin Svinarov, (Bulgaria), L Kasabova
- Thu 129 Reduced activity of CYP2C9 in the application of a complex pharmacotherapy at Russian patients with decompensation of chronic heart failure
Dmitry A Sychev, (Russian Federation), A Levanov, A Savchenko, G Ramenckaya, V Dmitriev, V Kukes
- Thu 130 Investigation of bioavailability of nanosized telmisartan in rat
Anita Sztojkov-Ivanov, (Hungary), G Filipcsei, G Heltovics, F Darvas, I Zupkó
- Thu 131 Potentially inappropriate medication leading to adverse drug reactions and hospitalisation
Jacek Szymanski, (Germany), S Schmiedl, S Holt, K Farker, B Drewelow, K May, PA Thürmann
- Thu 132 Cevimeline raises saliva volume and level of substance P in saliva
Masaharu Takeyama, (Japan), K Amada, S Tsuda, Y Sato, H Itoh
- Thu 133 Lithium potentiates the effects of thiolcolchicoside on neuronal excitability in rat dentate gyrus
Giuseppe Talani, (Italy), N Obili, E Fadda, R Uras, G Cordeddu, S Prinzi, A Frau, V Piras, L Siuni, P Niola, PL De Riu, GP Sechi, G Biggio, E Sanna
- Thu 134 Preliminary experimental data regarding the bioavailability and biodistribution of systemically administered 99MTC-coupled AA124 silica nanoparticle
Bogdan I Tamba, (Romania), C Stefanescu, I Jaba, O Mungiu, A Wirth
- Thu 135 Transfection of a mutant mu-opioid receptor into mice periaqueductal gray resulted in naloxone-mediated antinociception without tolerance and dependence
Pao-Luh Tao, (Taiwan), SH Chou, HI Ma, PY Law, HH Loh
- Thu 136 Taste perceptions of salbutamol-containing inhalers: a randomised crossover trial
Jolyn Tay, (New Zealand), TR Ingham, B Jones, N Pierse, C Burgess
- Thu 137 Delay of monitoring may add to pre-existing toxicity risk in elderly patients treated with potentially nephrotoxic antibiotics: case series study
Hundie Tesfaye, (Czech Republic), R Prusa, B Jedlickova, J Lukaskova, M Palivoda
- Thu 138 Effect of losartan on metabolism of arachidonic acid using recombinant cytochrome P450 (CYP) enzymes
Takaki Toda, (Japan), N Inotsume, K Sakamoto, S Takeuchi, T Hayakawa, E Eliasson, A Rane

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- Thu 139 Dose response for simvastatin in a rat model for the evaluation of myopathy
Brian Tomlinson, (PR China), VWL Mak, TWC Lo, DK Rowlands, M Hu, AE James
- Thu 140 Pharmacogenetics of laβlol are influenced by CYP2C19 rather than CYP2D6
Brian Tomlinson, (PR China), BSP Fok, OQP Yin, SSW Ko, CWY Tam, M Hu, VHL Lee
- Thu 141 Colloids improve morphine excretion in elderly patients after single intravenous dose
Stergios Tsartsalis, (Greece), M Vasileiadis, E Flioni, M Myronidou-Tzouveleki
- Thu 142 *In vitro* release and permeation characteristics of three nimesulide gel products (Sulidin, Nimes and Nimelid gels) in Turkey
F Cankat Tulunay, (Turkey), L Kaytanlioglu, K Embil, A Okyar, G Baktir
- Thu 143 Clinical efficacy and adverse effects of the partial dopaminergic agonist aripiprazole compared with other antipsychotics
Ingunn Fride Tvete, (Norway), M Klemp, J Gaasemyr, B Natvig, T Skomedal
- Thu 144 *In-vivo* phenotyping for CYP3A4 by determination of a single-point plasma concentration and urinary excretion of midazolam and its metabolites
Shinya Uchida, (Japan), M Miura, S Misaka, Y Katoh, S Yamada, H Watanabe, N Namiki
- Thu 145 Effect of 2-iminobiotin and N-ω-propyl-L-arginine on learning and memory in rats
T Utkan, SS Gocmez, IK Celikyurt, Oguz Mutlu, (Turkey), N Gacar, F Aricioglu
- Thu 146 Development of new Catechol-O-methyltransferase inhibitors for treatment of Parkinson's disease
Nuno Vale, (Portugal), N Micaelo
- Thu 147 The effect of 5 artificial sweeteners on Caco-2 cells
Armored Van Eyk, (South Africa)
- Thu 148 Quinidine and aspirin kinetics in blood and central nervous system of rats after intraarterial application
Velibor Vasovic, (Republic of Serbia), S Vukmirovic, V Jakovljevic, M Mikov, B Milijasevic
- Thu 149 Gender differences in pharmacokinetics of tacrolimus in renal transplant recipients
Radmila Velickovic-Radovanovic, (Republic of Serbia), M Mikov, A Catic-Djordjevic, G Paunovic, V Djordjevic
- Thu 150 Biotransformation of a new anxiolytic aphobazole in rats
Anastassia Viglinskaya, (Russian Federation), S Seredenin, V Zherdev, G Kolyvanov, A Litvin, D Bastrigin
- Thu 151 Influence of clonidine within analgesic combinations administered epidurally on postoperative analgesia quality
Jelena Vukovic, (Republic of Serbia), L Grbovic, Z Milan, V Dragojevic-Simic, D Jandric
- Thu 152 Prescriptions analysis of analgesic medicines by primary care physician
Nida'a Wadi, (Oman), M Bhupathyraaj, KAI Harthy
- Thu 153 A validated stereoselective assay for 3,4-methylenedioxymethamphetamine in human urine samples
Wan Raihana Wan Aasim, (Malaysia), SH Gan, SC Tan
- Thu 154 Development of a novel therapeutic system of adenovirus gene therapy in combination with macromolecular drug therapy
Yoshiteru Watanabe, (Japan), N Koizumi, Y Yamagishi, E Hagiwara, H Mizuguchi

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- Thu 155 Oxidative DNA damage induced by ethanol is associated with its ADH1B/ALDH2 metabolic pathway in human peripheral lymphocytes
Chunfu Wu, (PR China), Y Yan, J Yang, Y Mou, L Wang
- Thu 156 Population pharmacokinetics and pharmacogenetics of clobazam and its active metabolite in Japanese adults with refractory epilepsy
Ikuko Yano, (Japan), M Shibata, S Yasuda, A Yokomasu, K Hosohata, A Ikeda, R Takahashi, K Inui
- Thu 157 Vascular effects of protease inhibitors and non-nucleoside reverse transcriptase inhibitors, the major components of highly active antiretroviral therapy [HAART]
Yuen Ting Yeung, (PR China), SS Lee, PM Vanhoutte, SWS Leung
- Thu 158 The role of the reactive oxygen species (ROS)-induced ROS release mediated by mitochondrial permeability transition pore in iron overload resulted in hepatic damage
Dong Yin, (PR China), D Liu, A Que, Q Huang, M He
- Thu 159 Urinary cortisone/cortisol ratio corrected with the cortisol concentration serves as an index for the activity of human 11 β -HSD2 in vivo
Akitomo Yokokawa, (Japan), H Shibasaki, T Furuta
- Thu 160 CYP2C9*3 and *13 alleles were significantly associated with the decreased metabolism of lornoxicam
So-Jung Youn, (South Korea), J-W Bae, C-G Jang, S-Y Lee
- Thu 161 Impact of genetic variations in CYP450 enzymes on the pharmacokinetics of cilostazol
So-Jung Youn, (South Korea), C-I Choi, Jung-Woo J-W Bae, C-G Jang, S-Y Lee
- Thu 162 Partial effects of UGT1A1*28 allele on the pharmacokinetics of ezetimibe and its glucuronide in healthy subjects
So-Jung Youn, (South Korea), C-I Choi, J-W Bae, M-J Kim, C-G Jang
- Thu 163 Polyphenols facilitate transporting of adriamycin across brain-blood barrier via anti-angiogenesis and P-gp inhibition
Shenghua Yuan, (PR China), W Ge, H Li, H Zhu, C Wang
- Thu 164 The influence of CYP2A6 polymorphism on artesunate and amodiaquine tolerability
Wardah Yusof, (Malaysia), SH Gan
- Thu 165 Influence of calcium antagonists on DNA-damage induced by cyclophosphamide and dioxidine
Aliy K Zhanataev, (Russian Federation), AV Kulakova, EA Anisina, AD Durnev, SB Seredenin
- Thu 166 Hangover effects of orally, nocturnally administered antihistamines: a double-blinded, placebo-controlled, crossover positron emission tomography (PET) study in healthy subjects
Dongying Zhang, (Japan), M Tashiro, K Shibuya, Y Funaki, S Watanuki, K Yanai
- Thu 167 Creation of a new class of medicinal agents on the basis of nanotechnologies
Vadim Zhdanov, (Russian Federation), A Dygai, A Artamonov, A Bekarev, E Vereschagin
- Thu 168 Gender factors in pharmacokinetics of ciprofloxacin in healthy volunteers
Jana Zoulova, (Czech Republic), J Kopecky, Z Vybiralova, J Chladek, K Macek

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Workshop

W29

NEW HORIZONS IN THERAPEUTIC DRUG MANAGEMENT (TDM)

Thu 169

A rapid and sensitive high-performance liquid chromatographic method to quantify carbamazepine, oxcarbazepine, eslicarbazepine acetate and their main metabolites in human plasma

Ana Fortuna, (Portugal), G Alves, L Santos, A Falcão, P Soares-da-Silva

Thu 170

Biodistribution of ¹⁸F-labeled thermally hydrocarbonized porous silicon nanoparticles for drug delivery

Mirkka Sarparanta, (Finland), E Mäkilä, T Heikkilä, J Salonen, V-P Lehto, J Hirvonen, AJ Airaksinen

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ADDICTION AND DOPING: NEUROBIOLOGICAL AND CLINICAL BASIS OF EMERGING TREATMENT

Thu 171

Aquaporin 4 deficiency modulates glutamate transporters expression and glutamate uptake in chronic morphine-treated mice

Jin Li, (PR China), H-T Yan, N Wu, R-B Su, J-Q Zheng

Thu 172

Tramadol reverses reserpine-induced hypothermia via δ opioid receptor in mice

Jian-Hui Liang, (PR China), H-L Sun, M Zhang, K Wang

Thu 173

Benzodiazepines reveals the addictive properties of buprenorphine in a conditioned place preference in mice

Lin Lin Ma, (France), V Lelong-Boulouard, A Coquerel,

Thu 174

Effect of subchronic Pueraria radix extract administration on mRNA expression of POMC, PENK, PDYN, MOR, DOR and KOR genes in brain of WHP and WLP alcohol drinking rats

Przemyslaw L Mikolajczak, (Poland), A Bogacz, M Karasiewicz, I Okulicz-Kozaryn, E Kaminska, P Figura, T Bobkiewicz-Kozłowska, W Dyr, W Kostowski, PM Mrozikiewicz

Thu 175

The influence of magnesium, zinc and copper in reward system in rats

Mihai Nechifor, (Romania), D Chelarescu, D Ciubotariu

Thu 176

CNS effects of CB2 cannabinoid receptors

Emmanuel Onaivi, (USA), H Ishiguro, Q-R Liu, J-P Gong, P Tagliaferro, G Uhl

Thu 177

3,4-Methylenedioxymethamphetamine (MDMA, "ecstasy") in humans: gender differences in pharmacodynamics and pharmacokinetics

Ricardo Pardo, (Spain), M Farre, S Yubero, B O'Mahony, M Torrens, C Perez-Maña, E Menoyo, M Perez, S Martin, R de la Torre

Thu 178

Role of the dose of ethanol on the generation of endogenous hydroxytyrosol-DOPET

Clara Perez-Maña, (Spain), M Farre, R Pardo, C Mustata, E Papaseit, E Ortiz, E Menoyo, M Perez, S Martin, R de la Torre

Thu 179

In vivo upregulation of central nicotinic receptors induced by methylenedioxymethamphetamine (MDMA) and its association with nicotine

David Pubill, (Spain), S Garcia-Ratés, E Escubedo, J Camarasa

Thu 180

Cannabinoid-induced tolerance reduction by lithium chloride in guinea-pig small intestine

Fatemeh Rezaei, (Iran), S Ejtemaei Mehr, AR. Dehpour,

Thu 181

A laboratory package for personalised methadone therapy

Ismail Rusli, (Malaysia), SC Tan, HL Sim, M Nurfadhlina, KC Sanjaya, T Nazila, R Fazni, N Mohamad

Thu 182

Icariin attenuates learning and memory deficits induced by D-galactose in rats

Jing-Shan Shi, (PR China), F Li, Q-H Gong, Q Wu, Y-F Lu

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- Thu 183 Inhibitory effects of Dendrobium alkaloids on memory impairment induced by lipopolysaccharide in rat
Jing-Shan Shi, (PR China), Y-F Li, Q-H Gong, Q Wu
- Thu 184 Pharmacokinetics of Dendrobine, an alkaloid from *Dendrobium nobile*, in rats
Jing-Shan Shi, (PR China), C Liu, Q Wu, Y-F Lu, Q-H Gong
- Thu 185 Reflection of *Dendrobium nobile* lndl. alkaloids on lipopolysaccharide induced tau protein hyperphosphorylation in the hippocampus of rats
Jing-Shan Shi, (PR China), S Yang, F Li, Q-H Gong, Q Wu
- Thu 186 Resveratrol prevents the inflammatory process and the dopaminergic degeneration induced by the intranigral injection of lipopolysaccharide
Jing-Shan Shi, (PR China), F Jin, H Jin, Q Wu, F Zhang, Q-H Gong
- Thu 187 Activation of GABA B receptors abolishes dopamine release induced by systemic amphetamine in the rat lateral septum
Ramón Sotomayor-Zárate, (Chile), K Araya, P Pereira, P Carreño, K Gysling, E Blanco
- Thu 188 Molecular mechanisms underlying the lack of δ -opioids-induced rewarding effects associated with the downregulation of central dopaminergic transmission under the neuropathic pain-like state
Tsutomu Suzuki, (Japan), S Imai, M Narita, K Niikura, N Kuzumaki
- Thu 189 The antihypnotic and antihypoxic effects of mildronate
Baiba Svalbe, (Latvia), R Muceniece, E Vavers, E Liepinsh, L Zvejniece
- Thu 190 Ethanol and the cannabinoid system interaction at GABAergic synapses within the basolateral amygdala
Giuseppe Talani, (Italy), DM Lovinger
- Thu 191 Investigation of morphine preference in Swiss and C57BL/6J mice
David Taylor, (Australia), B Bernard, D Malone
- Thu 192 Increased vulnerability of perinatally drug-exposed rats towards subsequent drug abuse
Julia Timar, (Hungary), M Sobor, S Gyarmati, P Riba, M Al-Khrasani
- Thu 193 Negative impact of methamphetamine on glutamatergic neuron-astrocyte interaction
Ana Sofia Travassos, (Portugal), T Morgadinho, J Gonçalves, AP Silva, CF Ribeiro
- Thu 194 Effects of single *In vivo* doses of gaboxadol, a high-efficacy agonist of extrasynaptic GABA-A receptors, on glutamatergic transmission in VTA DA neurons
Elena V Vashchinkina, (Finland), AE Panhelainen, OY Vekovischeva, ER Korpi
- Thu 195 The selective mGluR7 agonist AMN082 inhibits cocaine-triggered relapse by a glutamate mechanism in the nucleus accumbens in rats
Zheng-Xiong Xi, (USA), X Li, J Li, E Gardner
- Thu 196 Cocaine induces nitric oxide production and apoptosis in fetal rat myocardial cells
Shumei Yang, (USA), G Li, L Zhang

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ENDOTHELIUM IN HEALTH AND DISEASE

- Thu 197 Protective role of the adrenomedullin receptor in vascular hypertrophy
Lihuan Liang, (UK), C Tam, G Pozgai, R Siow, K Husmann, J Fischer, R Poston, A Shah, S Brain
- Thu 198 Intermittent hypoxia alters the expression of NMDA receptor subunits and antioxidant enzymes in the rat rostral ventrolateral medulla
Hsun-Hsun Lin, (Taiwan), C-C Lai
- Thu 199 Plasma fibrinogen mediates the binding of streptokinase to activated human platelets
Chao-Zong Liu, (Taiwan), P-S Jiang, L-Y Chang
- Thu 200 COX-1 or COX-2 deletion is associated with increased nuclear NF- κ B in the endothelium of the aortic arch
Martina H Lundberg, (UK), LS Harrington, PDM Leadbeater, TD Warner, JA Mitchell
- Thu 201 5-Hydroxytryptamine induces cyclooxygenase-2 through mechanism involving Src, PKC and MAPK in rat vascular smooth muscle cells
Takuji Machida, (Japan), K Iizuka, M Hirafuji
- Thu 202 Interactions between carbon monoxide releasing molecules and nitric oxide donors in vascular tissue
Antonia Marazioti, (Greece), P Baskaran, M Bucci, C Szabo, G Cirino, AR Marques, A Beuve, A Papapetropoulos
- Thu 203 Spinal dihydroergotamine inhibits capsaicin-induced canine external carotid vasodilatation via central 5-HT_{1B/1D} receptors and α ₂-adrenoceptors
Bruno Marichal-Cancino, (Mexico), G Manrique-Maldonado, A González-Hernández, MT Villamil-Hernández, O Alcántara-Vázquez del Mercado, A Sánchez-López, C Villalón
- Thu 204 Plasma melatonin primes for a long-term endothelial cell cultures
Regina Markus, (Brazil), E Tamura, P Fernandes, M Marçola, S Cruz-Machado
- Thu 205 Glycosaminoglycans and candesartan prevent renal alteration and oxidative stress in the kidney of diabetic rats
Yaira Mathison, (Venezuela), C Ciangherotti, M Álvarez, H Fernández, A Israel
- Thu 206 Nitric oxide levels in the renal cortex of streptozocin-induced diabetic rats treated with ramipril and eplerenone
T Mavrakanas, Constantinos Tomos, (Greece), M Mironidou-Tzouveleki
- Thu 207 Effects of cyclooxygenase inhibitors on protease-activated receptor 2 activating peptide-induced relaxations of aorta in chronic angiotensin II treated mice
John J McGuire, (Canada), KH Hughes
- Thu 208 Calcitonin gene-related peptide terminates endothelin-1-induced vasoconstriction and vasopressor responses
Merlijn JPMT Meens, (The Netherlands), NJA Mattheij, H van Essen, MG Compeer, BJA Janssen
- Thu 209 Aspirin may prevent preeclampsia and its complications in women with abnormal uterine artery doppler ultrasound
Elaheh Mesdaghinia, (Iran), H Talari, A Zolfagharpour, M Abedzadeh, P Rezapourian
- Thu 210 Nampt/Visfatin as a novel therapeutic target for stroke
Chao-Yu Miao, (PR China), P Wang, T-Y Xu, W-W Tian, Y-F Guan, Y-C Rui, B Viollet, Q-W Zhai
- Thu 211 On pharmaco-physiological problems of hypertonia idiopathica
Michael C Michailov, (Germany), E Neu, U Welscher, S Ivanova, N Senn, W Seidenbusch

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- Thu 212 Vasodilatory activity of a new quinoxaline N-acylhydrazone derivative
LASSBio-1120: the participation of NO/cGMP pathway
Ana Luisa Miranda, (Brazil), L Louback, LM Lima, A Monge, EJ Barreiro
- Thu 213 Distinct effects of tissue-type plasminogen activator and Cpd-7 on
cerebrovascular inflammation during thrombolysis
Takuro Miyazaki, (Japan), O Hisayuki, K Hasumi, K Honda
- Thu 214 Evaluation of the EndoPAT as a tool to assess endothelial function
*Matthijs Moerland, (The Netherlands), A Kales, L Schrier, D Bradnock, J
Burggraaf*
- Thu 215 Modulation of vasoactivity and platelet aggregation by 5-HT antagonism
*Matthijs Moerland, (The Netherlands), M Kemme, L Bergougnan, A Cohen, J
Burggraaf*
- Thu 216 Antiangiogenic effect of 4-hydroxychalcone
*Jan Mojzis, (Slovak Republic), L Varinska, M van Wijhe, P Koolwijk, L
Mirossay*
- Thu 217 Neutral sphingomyelinase-NADPH oxidase as a redox amplification pathway
for hypoxic pulmonary vasoconstriction
*Laura Moreno, (Spain), G Frazziano, C Menendez, J Moral-Sanz, E Moreno, C
Gonzalez, E Villamor, A Cogolludo, F Perez-Vizcaino*
- Thu 218 Antihypertensive efficacy of aliskiren/hydrochlorothiazide combination: a meta-
analytical approach
*Manuel Morgado, (Portugal), S Morgado, L Castanheira, A Macedo, M
Castelo-Branco*
- Thu 219 Boldine protects vascular endothelial function in Spontaneously Hypertensive
rats (SHR) by inhibiting free radicals
Dharmani D Murugan, (Malaysia), YS Lau, MR Mustafa,
- Thu 220 Kallidinogenase inhibits the retinal neovascularization via the cleavage of
VEGF
Shinsuke Nakamura, (Japan), H Isuta, K Tsuruma, M Shimazawa, H Hara
- Thu 221 Antihypertensive efficacy of dual ECE/NEP inhibition during the onset of
spontaneous hypertension in rats
Jelly Nelissen, (TheThe Netherlands), BFJ Heijnen, P Lemkens, H van Essen,
JGR De Mey, BJA Janssen*
- Thu 222 Endothelin receptor activation reverses hypoxic vasodilation in porcine large
coronary arteries
Elise Nielsen, (Denmark), E Stankevicius, U Simonsen, O Fröbert
- Thu 223 Dexamethasone-releasing biodegradable vascular stents – *in vitro* and *in vivo*
results
*R Nieminen, (Finland), A Kotsar, I Uurto, Mari Hämäläinen, J Mikkonen, T
Isotalo, M Talja, J-P Salenius, M Kellomäki, T Tammela, E Moilanen*
- Thu 224 Roles of vinculin and Rho kinase on fibroblast fiber contraction
Hiromi Nobe, (Japan), K Nobe, R Paul, K Honda, Y Sakai
- Thu 225 Aging has a negative effect on estrogen modulation of nitric oxide (NO)
production in mice aorta
*Laura Novensa, (Spain), S Novella, G Segarra, P Medina, N Castillo, AP
Dantas*
- Thu 226 Inhibitory role of phosphorylation of myosin light chain at threonine-9 in the
mechanical activity of canine basilar artery
Kazuo Obara, (Japan), T Ishikawa, K Nakayama

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- Thu 227 Intravenous administration of sodium nitrite alleviates ischemia/reperfusion-induced cerebral injury in nondiabetic rats but not in diabetic rats
Mari Okazaki, (Japan), N Iwata, E Takamura, S Kamiuchi, Y Hibino
- Thu 228 U1I plays a proatherogenic role in the hyperglycemic milieu characteristic of diabetes
Murat Olukman, (Turkey), A Watson, TJ Allen, ME Cooper
- Thu 229 The mechanism of contractions induced by electrical field stimulation of rat mesenteric artery in calcium-free solution
Melike Hacer Ozkan, (Turkey), S Uma
- Thu 230 Effects of atorvastatin and L-arginine pretreatments on electrical field stimulation-mediated relaxations in monocrotaline-induced pulmonary hypertensive rats
Elif Inci Ozturk, (Turkey), S Uma
- Thu 231 Circulating molecules lipoprotein - HDL, LDL AND VLDL: possible risk factor with function of time in restenosis?
Snezana Pantovic, (Republic of Serbia), M Martinovic
- Thu 232 The growth factor pleiotrophin induces migration of endothelial and tumour cells that express $\alpha_v\beta_3$ integrin and nucleolin on their cell surface
Evangelia Papadimitriou, (Greece), M Koutsioumpa, C Mikelis
- Thu 233 The effect of rapamycin on endothelial function
Ayse Parlar, (Turkey), A Erol, C Can
- Thu 234 Cystamine reduces blood pressure in SHR and attenuates inward eutrophic remodelling in vitro
Morten Engholm Pedersen, (Denmark), A Eftekhari, MJ Mulvany
- Thu 235 Dual changes in pulmonary vascular reactivity in rats with ventilator-induced lung injury
Francisco Perez Vizcaino, (Spain), C Menedez, L Martinez-Caro, J Moral-Sanz,
- Thu 236 Participation of endothelial superoxide anion on alteration of angiotensin II-induced contraction in contralateral carotid of diabetic rats after balloon catheter injury
Larissa Pernomian, (Brazil), M Santos Gomes, AM de Oliveira
- Thu 237 Endothelial TREK-1 potassium channels mediate acetylcholine-induced longitudinal hyperpolarization transfer to synchronize the diameter changes along cerebral arteries
Olivier Pétrault, (France), C Widmann, C Misioreck, M De Bock, V Bérézovski, R Ceccelli, C Heurteaux, M Borsotto
- Thu 238 Effect of chronic shear stress on endothelial cell morphology *In vitro* and *in vivo*: relevance to areas at risk of atherosclerosis in the aorta
Claire MF Potter, (UK), MH Lundberg, HH Gashaw, J Gorelik, AV Moshkov, PD Weinberg, JA Mitchell
- Thu 239 Importance of cerebrovascular vasoconstrictor receptor upregulation for the long-term outcome of experimental subarachnoid hemorrhage in rats
Gro Klitgaard Povlsen, (Denmark), S Johansson, C Larsen, L Edvinsson
- Thu 240 Endothelial progenitor cell depletion in atherosclerotic patients is not related to increased apoptosis by plasmatic TGF- β
Santiago Redondo, (Spain), A Gonzalez-Rocafort, J Navarro-Dorado, M Ramajo, M Hristov, F Reguillo, M Carnero, E Rodriguez, C Weber, T Tejerina

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- Thu 241 TLR3 and TLR4 ligands induce intracellular IL-1 β immunoreactivity in human aortic endothelial cells (HAEC) and lung microvascular endothelial cells (HLMVECs)
Daniel M Reed, (UK), WR Wright, CMF Potter, HH Gashaw, LK Bailey, JA Mitchell
- Thu 242 Soluble epoxide hydrolase inhibition prevents coronary endothelial dysfunction in renovascular hypertension
Vincent Richard, (France), J Gao, E Gomez, B Dautreaux, F Bounoure, C Thuillez, J Bellien
- Thu 243 Improved vascular function and altered cardiac phenotype in mice overexpressing melanocyte-stimulating hormone
Petteri Rinne, (Finland), I Heinonen, A Saraste, ST Ruohonen, S Ruohonen
- Thu 244 Non-invasive laser speckle contrast imaging to assess skin microvascular reactivity in humans
Matthieu Roustit, (France), C Millet, S Blaise, B Dufournet, J-L Cracowski
- Thu 245 Cathodal iontophoresis of treprostinil and iloprost induce a sustained increase in skin blood flow in rats
Matthieu Roustit, (France), S Blaise, C Ribuot, C Millet, J-L Cracowski
- Thu 246 Differences in the *In vitro* antiplatelet effect of dexibuprofen, ibuprofen and flurbiprofen in human blood
Maria Isabel Ruiz- Moreno, (Spain), JJ Reyes-Vega, JA Lopez-Villodres, N Jebrouni, JA Gonzalez-Correa
- Thu 247 Effect of cinnamaldehyde (C) on vascular function in diabetic rats
Ramzi Sabra, (Lebanon), M Khalaf
- Thu 248 Involvement of secretory phospholipase A2 in stretch-induced aberrant contraction in pulmonary arteries isolated from pulmonary hypertensive rats
Maki Saito, (Japan), Y Tanabe, A Kamataki, T Sawai, K Nakayama
- Thu 249 Differential COX-2-mediated arachidonic acid metabolism in coronary and penile arteries from prediabetic obese Zucker rats
A Sánchez, C Contreras, N Villalba, P Martínez, A García-Sacristán, M Hernández, Dolores Prieto, (Spain)
- Thu 250 Thyroid hormone up-regulates elastin and lysyl oxidase genes in rat aorta
Mitsutoshi Satoh, (Japan), S Yanagino, T Nishimaki-Mogami, K Suzuki, Y Sato
- Thu 251 NO synthase and Thrombospondin-1 in the initiation of flow-related reModelling of rat mesenteric resistance arteries
Paul Schiffers, (The Netherlands), P Lemkens, G Boari, G Fazzi, G Janssen, J De Mey
- Thu 252 Distinct NADPH-cytochrome P450 reductase dependence of heme oxygenase-1 and heme oxygenase-2
Monika Seeanner, (Germany), JR Kraehling, M Busker, S Behrends
- Thu 253 *In vitro* dissolution kinetics studies of amlodipine tablets marketed in Russia under biowaiver conditions
IE Shohin, GV Ramenskaya, GF Vasilenko, EA Malashenko, KS Davydova, Dmitry A Sychev, (Russian Federation), VG Kukes
- Thu 254 Role of AT1 and AT2 receptor and NAD(P)H oxidase on angiotensin II-stimulated antioxidant enzymes activity in the rat hypothalamus
Jose Silva, (Venezuela), M Pastorello, S De Jesus, MG Matos, MR Garrido
- Thu 255 Potential beneficial effect of ergothioneine in protecting endothelial dysfunction
Albert SM Sit, (PR China), EYW Ho, RWS Li, YW Kwan, M Hausman, GPH Leung

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- Thu 256 Statin-dependent effects on vascular tone and gene expression in human endothelial cells
Cristine Skogastierna, (Sweden), L Luksha, K Kublickiene, E Eliasson, A Rane
- Thu 257 Adding ezetimibe to statin halts progression of carotid plaque
J David Spence, (Canada)
- Thu 258 Involvement of endothelial sphingolipid metabolism in release and action of endothelium-derived contracting factors
Léon Spijkers, (The Netherlands), R van der Akker, A Alewijnse, S Peters
- Thu 259 Small and intermediate calcium-activated K channels are involved in release of NO and EDHF in small arteries
Edgaras Stankevicius, (Denmark), C Krøjgaard, T Dalsgaard, L Beck, AD Hughes
- Thu 260 Electropharmacological analysis of triggered activity in the pulmonary vein myocardium of the guinea pig
Akira Takahara, (Japan), T Sugimoto, K Takeda, I Namekata, H Tanaka
- Thu 261 Proton mediates perivascular adrenergic and CGRPericg neurotransmission in the rat mesenteric artery
Shingo Takatori, (Japan), K Hirai, H Fujiwara, X Jin, S Egutchi, H Kawasaki
- Thu 262 ω6-polyunsaturated fatty acids, but not other free fatty acids, evoke endothelial dysfunction by inhibiting store-operated Ca²⁺ entries
Kazuhiko Takeuchi, (Japan), J Wei, N Inui, H Watanabe
- Thu 263 Different contributions of Rho-kinase to the vasoconstrictions caused by 5-HT and noradrenalin in the isolated human internal thoracic artery and saphenous vein
Naoko Tanaka, (Japan), T Kanai, Y Matsuo, M Kuwabara, E Nakamura, Y Asada, H Hisa, R Yamamoto
- Thu 264 Impaired arterial smooth muscle calcium Signalling and ultrastructural deterioration appear linked in the elderly
Teresa Tejerina, (Spain), J Navarro-Dorado, M Alonso, M Ramajo, S Redondo, N Fameli
- Thu 265 Renovascular hypertension increases the hypothalamic content of serotonin in rats
José A Terrón, (Mexico), B García-Iglesias, I López-Islas,
- Thu 266 FP and TP receptors are responsible for increased vasoconstriction induced by Prostaglandin F_{2α} in preeclamptic human umbilical vein
Gokce Topal Tanyilmaz, (Turkey), SB Uydes Dogan, M Kucur, A Gezer, R Madazli, X Norel
- Thu 267 Endothelial cells during a parabolic flight – which changes appear?
Claudia Ulbrich, (Germany), J Pietsch, J Bauer, D Grimm
- Thu 268 Protective effect of amlodipine against the decrease in bone density in rats
Kentarou Ushijima, (Japan), Y Liu, E Ishikawa, T Maekawa, Y Motosugi, A Fujimura
- Thu 269 Sensitivity to Rho kinase inhibitor Y-27632 is increased in the mesenteric arteries of L-NAME hypertensive rats
B Sonmez Uydes-Dogan, (Turkey), F Gezerler, S Takir, FI Alp, O Ozdemir
- Thu 270 Genomic changes caused by chronic exposure to high cholesterol or fish oil in native and regenerated porcine coronary endothelial cells
Paul M Vanhoutte, (PR China), MYK Lee, Y Wang, HF Tse
- Thu 271 Effect of sulodexide on aortic vasodilation capacity and associated morphological changes in rats with streptozotocin-induced diabetes
José Vázquez, (Venezuela), Y Mathison, E Romero, C Suárez

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ENDOTHELIUM IN HEALTH AND DISEASE

- Thu 272 Peroxynitrite stimulates pulmonary artery endothelial cell proliferation and may be generated in pulmonary hypertension
Roger Wadsworth, (UK), EO Agbani, P Milliken, AT Demiryurek, P Coats, A McPhaden, T Hoehn
- Thu 273 EDHF-mediated responses in the renal circulation of double transgenic hypertensive mice developing renal failure
Ludovic Waeckel, (France), F Bertin, N Clavreul, R Kohler, P Sansilvestri-Morel, C Vayssettes-Courchay, H Wulff, TJ Verbeuren, M Félétou
- Thu 274 Endothelial dysfunction in the isolated aorta of double transgenic hypertensive mice developing aortic aneurysm
Ludovic Waeckel, (France), N Clavreul, P Sansilvestri-Morel, S Simonet, C Vayssettes-Courchay, M Félétou
- Thu 275 Histidine-rich glycoprotein inhibits the angiogenic response induced by the combination of high mobility group box 1 and heparin in matrigel plug assay
Hidenori Wake, (Japan), S Mori, HK Takahashi, K Liu, M Nishibori
- Thu 276 AGEs breakers reverse endothelial cell dysfunction and enhance the antihypertensive effect of Nifedipine in diabetic-hypertensive rats
LiLi Wang, (PR China), B Zhang, G Chen, S Li
- Thu 277 Exercise improves the dilatation function of mesenteric artery in post-infarction rats: involved the mechanism of PI3K/Akt mediated eNOS cascaded
Y-H Wang, (PR China), S-P Wang, H-K Jiang, S-F Chen, M Zhao, J Zhang, Y Cai, S-J Fan, Y-L Tian, X-J Yu, W-J Zang
- Thu 278 20-HETE activation of TRPV1 in small diameter primary sensory neurons
Hairuo Wen, (UK), J Östman, C Panayiotou, J Priestley, M Baker
- Thu 279 Reduced action of sildenafil in pulmonary arteries from mice lacking the PKGI or the BKCa channel
Matthias Werner, (UK), S Lia, M Nelson, A Gurney
- Thu 280 Albumin-facilitated extravasation of siRNA across vascular endothelium in vivo
Paul White, (Australia), S Lau, N Cao, B Graham, C Pouton
- Thu 281 Both D- and L-arginine increase contractions to dexmedetomidine in the presence of L-NAME in the rat aorta with endothelium
Emily SW Wong, (PR China), RYK Man, PM Vanhoutte, KFJ Ng
- Thu 282 Chronic treatment of Vitamin D derivatives reduce endothelium-dependent contractions in the aorta of the spontaneously hypertensive rat
Michael SK Wong, (PR China), RYK Man, PM Vanhoutte,
- Thu 283 Role of hydrogen sulfide (H₂S) in conduit and resistance arteries from septic rats
Chin-Chen Wu, (Taiwan), S-J Chen, C-T Chiu, M-H Liao
- Thu 284 Effects of CYP7A1 polymorphisms on the fasting plasma concentrations of bile acids, bile acid synthesis marker, and total cholesterol in humans
Xiaoqiang Xiang, (Finland), PJ Neuvonen, M Niemi,
- Thu 285 Radiation of electromagnetic waves to a finger using Yubi-MR reduces oxidative stress in blood by electron-transfer via negatively charged water formation
Naomasa Yamamoto, (Japan), Y Koike, K Kumano, N Yonehara
- Thu 286 CNS pericytes originate from the circulating hematopoietic progenitors
Seiji Yamamoto, (Japan), M Muramatsu, E Azuma, M Dohmoto, S Kita, I Komuro, K Takano, S Niida, M Shibuya, N Matsuda, Y Hattori
- Thu 287 AVE3085 inhibits homocysteine-induced endothelial dysfunction: role of phosphatidylinositol 3-kinase / Protein kinase Akt
Qin Yang, (PR China), H-M Xue, J-H Huang, G-W He

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- Thu 288 Role of canonical transient receptor potential channels in endothelial function and the effect of hypoxia-reoxygenation
Qin Yang, (PR China), J-H Huang, H-M Xue, X-Q Yao, G-W He
- Thu 289 Vasodilatation to NO- in rat small mesenteric arteries; a role for potassium channels
Polina Yarova, (UK), C Garland, K Dora
- Thu 290 Mechanism for the differential regulation of iNOS expression in J774 macrophages and vascular smooth muscle cells by the c-Jun N-terminal kinase inhibitor SP600125
Marzieh Zamani, (UK), S Thakur, A Baydoun
- Thu 291 The influence of moxonidine on plasma resistin levels in patients with essential hypertension
Iwona Zaporowska-Stachowiak, (Poland), A Targonska, T Bobkiewicz-Kozowska
- Thu 292 Protective effect of celecoxib against acute myocardial ischemia on coronary artery of rabbits
Wei-Jin Zang, (PR China), M Zhao, X He, H-L Zhang, X-J Yu
- Thu 293 Generating novel hypothetical associations between statin therapy and endothelial adhesion molecules using computerized tool SemBT
Lovro Ziberna, (Slovenia), M Lunder, G Drevensek, D Hristovski
- Thu 294 Vitamin D3 does not augment EDHF-mediated relaxations to bradykinin
Qian Zou, (PR China), PM Vanhoutte

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NATURAL PRODUCTS: PAST AND FUTURE?

- Thu 295 Protective effects of *Ganoderma lucidum* polysaccharides on intestine damage *in vivo* and *in vitro* and mechanisms approach
Wei Dong Li, (PR China), LH Chen, J Ma, Y Qin, JQ Zhang, ZB Lin
- Thu 296 Proteomic study of hepatotoxicity induced by retrorsine, a representative pyrrolizidine alkaloid
Yanhong Li, (PR China), WCS Tai, N Li, WLW Hsiao, G Lin
- Thu 297 *In vivo* and *in vitro* mechanistic studies of the wound-healing effects of *Radix Rehmanniae* towards diabetic foot ulcer using bioassay-guided fractionation
Cheuk-Lun Liu, (PR China), L Cheng, HF Kwok, KM Lau, CM Koon, KP Fung, BS Lau
- Thu 298 Oxidative stress-induced stimulation of AMP-activated protein kinase involves in sodium ferulate-induced cardioprotection
Dan Liu, (PR China), D Yin, L Tang, B Zhong, D Sun
- Thu 299 Effects and mechanism of WNK on reperfusion-induced vascular injury to cerebral microvessels after global cerebral ischemia
Jianxun Liu, (PR China), Y Zheng, X Li, L Xu
- Thu 300 Antioxidant activity of oligosaccharide ester extracted from *Polygala tenuifolia* roots in senescence-accelerated mice
Ping Liu, (PR China), Y Hu
- Thu 301 San-Huang- Xie-Xin-Tang protects against MPTP-induced dopaminergic neurotoxicity via inhibition of oxidative stress and apoptosis
Yi-Ching Lo, (Taiwan), Y-T Shih

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- Thu 302 Complementary and alternative drugs use among preoperative patients: a cross-sectional study in Tuscany (Italy)
Ersilia Lucenteforte, (Italy), E Gallo, A Pugi, F Giommoni, P Lupi, G Diddi, F Firenzuoli, A Mugelli, A Vannacci, F Lapi
- Thu 303 Investigation of the phytochemistry, antioxidant activities and anticancer effects of total extract and some of the purified compounds of *Ferula szowitsiana D.C.* on several human cancer cell lines
Omid Mashinchian, (Iran)
- Thu 304 Role of *Terminalia arjuna* an Indian medicinal plant in cardiovascular diseases
Subir Kumar Maulik, (India)
- Thu 305 The neuroprotective effects of a purified compound extracted from *curcuma longa* against 6-OHDA -induced dopaminergic neurotoxicity in SH-SY5Y cells
Benjawan Meesarapee, (Thailand), A Thampithak, Y Jaisin, Y Sanvarinda
- Thu 306 Simultaneous determination of gallic acid and protocatechuic acid in rabbit serum by HPLC after oral administration of *Fructus choerospondiatis* extract
Xianli Meng, (PR China), P Wang, Y Zhang, H Liu
- Thu 307 Effects of a water-soluble *Cinnamomum cassia* extract on isolated rat platelets
Zsofia Mezei, (Hungary), G Mester, Z Mécs, A Leprán, D Rédei
- Thu 308 Antiproliferative activity of some solanidine analogs on HL-60 cells
Renata Minorics, (Hungary), T Szekeres, G Krupitza, P Saiko, B Giessrigl, E Frank, I Zupkó
- Thu 309 Synthesis and cytotoxic activity of novel benzopyrano[3,2-c]chromene-6,8-dione derivatives
Ramin Miri, (Iran), O Firuzi, S Meili, AR Mehdipour, R Motamedi
- Thu 310 Effect of *Polygonum bistorta* and tannic acid against carbon tetrachloride induced hepatic damage in albino rats
Deepak Kumar Mittal, (India)
- Thu 311 Clinical efficacy of a topical herbal cream (*aloe vera, geranium robertianum and lavandula stoechas*) in second-degree burn wounds
Yashar Moharamzad, (Iran), Y Panahi, F Beiraghdar, I Feizi
- Thu 312 Evaluation of the reproductive and developmental toxicities of the aqueous extract of *Labisia pumila var. alata* in female rats
Wan Ezumi Mohd Fuad, (Malaysia), SS Amrah, J Hasnan, SSJ Mohsin
- Thu 313 Analyzing cytotoxic and apoptogenic properties of *Scutellaria litwinowii* root extract on cancer cell lines
Seyed Hadi Mousavi, (Iran), SA Emami, Z Tayarani-Najaran, J Asili, A Mirzaei
- Thu 314 Baicalein protects the brain against neuron impairments induced by MPTP in C57BL/6 mice
Xin Mu, (PR China), G He, X Li, G Du
- Thu 315 The effects of the aqueous extract of *Asystasia gangetica* on the blood pressure and heart rate in spontaneously hypertensive male wistar rats
Pierre Mugabo, (South Africa), J-A Amunjela, D Hanse, G Hikumwah, F Hoedemaker, P Mwandangi, X Sambo
- Thu 316 Anti-inflammatory effects of bergamot essential oil in carrageenan-induced paw oedema in rat
Michele Navarra, (Italy), C Mannucci, E Trapasso, S Pergolizzi, MR Ursino, N Miceli, G Calapai

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- Thu 317 The multi-herbal drug STW 5: potential mechanisms for the treatment of irritable bowel syndrome
Karen Nieber, (Germany), M Michael, U Voss, D Weiser, O Kelber
- Thu 318 Ibogain *in vitro* effects on erythrocytes antioxidative enzymes activities
Aleksandra Nikolic-Kokic, (Republic of Serbia), Z Orescanin-Dusic, M Slavic, P Jamnik, R Paskulin, D Blagojevic
- Thu 319 Possible drug interaction with Oren-gedoku-to by the inhibition of CYP2D metabolism
Yuki Nishimura, (Japan), N Kurata, M Iwase, Y Saito, H Yasuhara
- Thu 320 Antitumor effect of *Cordyceps sinensis* via adenosine receptors
Arisa Nishiuchi, (Japan), N Yoshikawa, Y Takahashi, Y Kimoto, A Sato, S Kagota, K Shinozuka, K Nakamura
- Thu 321 Biochemical and blood pressure alterations of elderly patients with colorectal cancer after of dietary supplementation with *Agaricus Sylvaticus* fungi
Maria Rita Novaes, (Brazil), R Fortes, LC Novaes
- Thu 322 Effects of dietary supplementation with *Agaricus Sylvaticus* fungi on the metabolic and blood pressure evaluation of patients with colorectal cancer in the postsurgical phase
Maria Rita Novaes, (Brazil), R Fortes
- Thu 323 Immunological and hematological effects of a dietary supplementation with *Agaricus Sylvaticus* in breast cancer patients undergoing chemotherapy
Maria Rita Novaes, (Brazil), F Valadares
- Thu 324 Cardioprotective effect of resveratrol
Aleksandra Novakovic, (Republic of Serbia), LG Bukarica, D Nezic, M Peric, V Kanjuh
- Thu 325 Inhibition of prostate cell growth and angiogenesis induced by different phytosterols of marine origin
Silvia Novio, (Spain), M Freire-Garabal, G Amigo, MJ Nuñez-Iglesias
- Thu 326 Evaluating the anti-diabetic properties of *Paspalum vaginatum*
Nkechi Veronica Offiah, (Trinidad & Tobago), CD Ezeokoli
- Thu 327 The study of antidiabetic effects of partially purified extract from the roots of *Thottea grandiflora* Rottb
Patrick Okechukwu, (Malaysia), G Marimuthu, GA Akuwoah
- Thu 328 Antimalaria and anticancer properties of *Labisia pumila*
Maizatul Hasyima Omar, (UK), A Crozier, NR Abdullah, Z Ismail
- Thu 329 Effects of ibogaine on rat uterus contraction and antioxidative enzymes activity
Zorana Orescanin-Dusic, (Republic of Serbia), M Slavic, R Paskulin, P Jamnik, S Milovanovic, D Blagojevic
- Thu 330 *In vivo* evaluation of the antitumor activity of daphnetin in murine melanoma model
Fausto AJ Orozco, (Mexico), MJ García Mondragón, A Maldonado Espinza, MA Herrera Henriquez, N Mendoza Patiño
- Thu 331 Chinese herbal medicine 'Wu Ling San' had anti-inflammatory activity in crystal induced nephritis in rats
Yoko Oyama, (Japan), S Tancharoen, T Ito, T Hashiguchi, T Uchimura, I Maruyama
- Thu 332 Antioxidant effect of a methanol extract of *Garcinia kola* biflavonoid agbilu
Jones Chukwudi Ozokwere, (South Africa), F Udoh, B Lawal, E Olivier

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- Thu 333 Study of antidepressant activity of portulaca oleracea linn in mice
Vinod Pawar, (India), S Gujar, S Rayate, RN Patil, S Hugur
- Thu 334 Acute and subacute toxicity of virgin coconut oil in rodents
Ryan Pekson, (The Philippines), I Sia
- Thu 335 Optimization of aristolochic acid I detection in Aristolochia tagala Cham and Thai traditional recipe using TLC
Rattana Phadungrakwittaya, (Thailand), P Akarasereenont, A Lumlerdkij, S Chaisri, S Chotewuttakorn
- Thu 336 Membrane with a vegetative extract based on the collagen for tissue regeneration
Guram Pichkhadze, (Kazakhstan), G Ustenova, I Kaulambaeva, D Assylbekova
- Thu 337 Cannabidiol inhibits human cancer cell invasion via upregulation of tissue inhibitor of matrix metalloproteinases-1
Robert Ramer, (Germany), J Merkord, B Hinz
- Thu 338 Intraperitoneal and oral LD50 of an active principle of Nigella sativa, thymoquinone, in mice and rats
Muhammad Akram Randhawa, (Saudi Arabia), A Al-Ali, AA Alkhawajah, NA Shaikh
- Thu 339 Regulatory status of herbal medicines. Considerations about Cuba
Diadelis Remirez-Figueredo, (Cuba)
- Thu 340 Analysing on compatibility principle of pharmacologic action of traditional Chinese medicine formula by network approach
Junguo Ren, (PR China), X Ma, C Lin, H Li, M Wang, Y Wang, J Liu
- Thu 341 Bak foong pills, a traditional remedy for dysmenorrhoea, inhibits nociception via the somatostatin pathway
Dewi K Rowlands, (PR China), YG Cui, SC So, LL Tsang, YW Chung
- Thu 342 Protective effect of Nigella sativa extract and thymoquinone on serum/glucose deprivation-induced PC12 cells death
Hamid Reza Sadeghnia, (Iran), SH Mousavi, Z Tayarani-Najaran, M Asghari
- Thu 343 Effect of anchusan, Japanese traditional herbal medicine, on midazolam metabolism in rats
Yusuke Saito, (Japan), Y Nishimura, N Kurata, M Iwase, H Yasuhara
- Thu 344 San'oshashinto prevents cardiac ischemia/reperfusion injury in ovariectomized rat via antioxidant properties
Mayuko Sakanashi, (Japan), T Matsuzaki, K Noguchi, J Nakasone, M Sakanashi, M Sakanashi, M Tsutsui
- Thu 345 Effect of momordica charantia on blood glucose level in experimentally induced diabetic rats
Mahmed Salahuddin, (Bangladesh)
- Thu 346 Effect of three plants: Hypericum humifusum, Crataegus L. Azarolus and Myrtus Communis L. on ischemia-reperfusion liver in Wistar male rats
I Salouage, H Ferchichi, T Ayadi, S Bacha, I Ouanes, Anis Klouz (Tunisia)
- Thu 347 Antioxidant activity of Rhizophora mangle (L.) bark and its effect on redox mechanisms involved in wound healing
J Sánchez Calero, R Faure García, G Martínez Sánchez, O Fernández Limia, M Mitjavila Cors, Yinet Barrese-Pérez, (Cuba)
- Thu 348 Selective detection of CYP3A4 inhibition by complementary products
Danielle Seviator, (Finland), J Hokkanen, A Tolonen, K Abass, L Tursas, J Ahokas
- Thu 349 The "Zinaxin" clinical – pharmacological application aspects
Evgeniya Shikh, (Russian Federation), O Shumkova

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- Thu 350 Cinnamomi ramulus ethanol extract exerts vasorelaxation through inhibition of the rho-kinase Signalling pathway
Heung Shin, (South Korea), Y Kang
- Thu 351 Solavetivone reduces intracellular calcium in cultured myocytes isolated from guinea-pig ileum
Joelmir LV Silva, (Brazil), F De Andrade Cavalcante, VLC Rigoni, TMS Silva, TL Nascimento, BA Silva, VLA Nouailhetas
- Thu 352 Trachylobane-360 decreases intracellular calcium in cultured myocytes isolated from guinea-pig ileum
Joelmir LV Silva, (Brazil), RF Santos, VLS Rigoni, JFF Tavares, MS Silva, J Aboulafia, BA Silva, VLA Nouailhetas
- Thu 353 *Crotalus durissus terrificus* snake venom: a potential natural product in controlling inflammatory diseases
Tatiane Soares de Lima, (Brazil), S Coccuzzo Sampaio, MC Cirillo,
- Thu 354 On future phytopharmacology
Jakob Stiglmayr, (Germany), J Milbradt, E Neu, SK Gupta, J Foltinova, W Seidenbusch, G Weber, N Senn, R Neu, U Welscher, M Michailov
- Thu 355 Mechanism of action of compounds isolated from *Cecropia glazioui* Sneth, a plant used to treat hypertension in Brazilian folk medicine
Mirtes Tanae, (Brazil), MTR Lima-Landman, TMA Lima, KKY Isla, C Souccar
- Thu 356 Effects of a standardized extract of *Centella asiatica* ECa 233 on second degree burn wound in rats
Boonyong Tantisira, (Thailand), M Tantisira, K Wannarat
- Thu 357 A randomized, single blind, placebo controlled trial on the effects of a standardized extract of *Centella asiatica* ECa 233 on minor aphthous ulcers
Mayuree Tantisira, (Thailand), C Ruengprasertkit, B Tantisira, N Hongprasong
- Thu 358 Study of the effects of natural zeolite modified with zinc (ZZ) and its cellular signalling mechanisms in diabetes
A Torres Domínguez, O León, G Rodríguez, LC de Menorval, M Casanova, René Delgado-Hernandez, (Cuba)
- Thu 359 Non-ethanol fractions isolated from red wine have potent vasodilation activity in isolated rat aorta
Milena Trandafilovic, (Republic of Serbia), M Janzek, L Ziberna, M Lunder, S Kreft, G Drevensek
- Thu 360 Pro-apoptotic effect of ouabain in Jurkat and A549 cells
Annalisa Trenti, (Italy), F Cusinato, S Luciani, L Trevisi
- Thu 361 The safety of *Aristolochia tagala* Cham. and Homnawakod recipe in Wistar rats: renal function study
Pinpat Tripatara, (Thailand), S Booranasubkajorn, S Soukasem, W Onlamul, S Huabprasert
- Thu 362 Post-treatment with an active component of *Scutellariae radix* (TChi-2) reduces LPS-induced acute lung injuries and fatality
Tzu-Ling Tseng, (Taiwan), M-F Chen, Y-H Hsu, TJF Lee
- Thu 363 Evaluation of haematinic activity of naga bhasma(NB) in phenylhydrazine induced haemolytic anaemia in rats
Vaishali R Undale, (India), AV Yadav, PN Jagtap, CD Upasani, AV Bhosale
- Thu 364 Effects of bergamot essential oil and its extractive fractions on SH-SY5Y human neuroblastoma cell growth
MR Ursino, E Trapasso, G Calapai, P Bramanti, Michele Navarra, (Italy)
- Thu 365 *In vitro* antimicrobial activity of some herbal extracts against oral pathogens
Surena Vahabi, (Iran), E Najafi

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- Thu 366 Screening of Portuguese propolis and its plant sources for inhibitory activity against pathogenic protozoa
Nuno Vale, (Portugal), S Falcão, V Batista, C Freire, L Maes
- Thu 367 Effects of apple polyphenols on oxidative DNA damage induced by ethanol
Fang Wang, (PR China), J Yang, J Du, C Wu
- Thu 368 The effectiveness and safety of arsenic trioxide with and without all-trans retinoic acid in the treatment of acute promyelocytic leukaemia: a meta-analysis
Hao Wang, (PR China), Z-X Rong, H Qi, Y Zhang, B-S Wang
- Thu 369 Study on absorption kinetics of baicalin in extracted scutellaria affected by Rubarb anthraquinones
Ping Wang, (PR China), X Meng, Y Zhang, H Liu
- Thu 370 Neuroprotective effects of morroniside against transient forebrain ischemia in the rat cortex
Wen Wang, (PR China), L Li, J Xiang, H Ai, L Zhang, L Li
- Thu 371 Liquorice, pharmacological and clinical experiments from the traditional Chinese medicine to the modern research
Xiaoying Wang, (China), H Zhang, X Gao
- Thu 372 The action mechanism and metabolism characteristics of the effective components groups of Xiaoxuming decoction for anti-ischemia
Yuehua Wang, (PR China), N Zhou, X He, J Hu, H Zhang, H Qin, J Zhang, Z Li, G Du
- Thu 373 Lutein, a natural carotenoid, inhibits PDGF-BB and oxidative stress-induced signalling in vascular smooth muscle cells
Wen-Bin Wu, (Taiwan), Y-C Lin
- Thu 374 Ellucidation of Crotalus durissus cascavella natriuretic peptide mode of action in isolated rat kidney: expression of GC-A and GC-C receptors
Rafael Matos Ximenes, (Brazil), JSAM Evangelista, RS Alves, ARC Jorge, PCP Sousa, MEA Moraes, MM Rabello, MZ Hernandez, MH Toyama, A Havt, HSA Monteiro
- Thu 375 Effect of three purine alkaloids in tea on learning and memory functions of rats exposed to restraint stress
Jie-Kun Xu, (PR China), W-K Zhang, Q-G Wang, K Hiroshi, X-S Yao
- Thu 376 WNK improves learning and memory by modulating the neurotransmitter levels in rats and mice with vascular demantia
Li Xu, (PR China), J-X Liu, W-H Cong
- Thu 377 Curcumin inhibits renal cyst formation and enlargement through regulating intracellular Signallingpathways
Baoxue Yang, (PR China), J Gao, H Zhou, T Lei, W Li
- Thu 378 Cornel iridoid glycoside promotes cell survival via the activation of PI-3K/Akt signalling pathway after stroke in the rat
Ruiqin Yao, (China), X Wang, X Liu, L Zhang, C Ye, H Ai, L Li
- Thu 379 Morinda Citrifolia leave extract prolongs human blood coagulation in vitro
Peng Nam Yeoh, (Malaysia), JK Kumar, JW Mak, SK Cheong
- Thu 380 Effect of Morinda citrifolia hot water extract on platelet aggregation
Peng Nam Yeoh, (Malaysia), V Ramachandran, JW Mak, SK Cheong, CF Leong
- Thu 381 Mitochondria and dihydrotanshinone-induced apoptosis in HepG2 cells
JHK Yeung, WYW Lee, Peter Xuelin Zhou, (PR China), YW Kwan, SK Kong
- Thu 382 Gravidoprotective activity of glucosamine
Ganna V Zaychenko, (Ukraine)
- Thu 383 Connection between cognition and sexual function
Juntian Zhang, (PR China)

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- Thu 384 Effects of Salvianolic acid A on renal injury in type 2 diabetic KKAY mice
Li Zhang, (PR China), G Qiang, L Shi, H Zhang, B Chen
- Thu 385 *In vitro* antioxidant and *In vivo* anti-inflammatory and antinociceptive activities of *Ophioglossum thermale*
Xue-Qiong Zhang, (PR China), Y-H Zhang, J-H Kim, J-T Bae, J-Y Oh, H-B Pyo
- Thu 386 Involvement of serotonergic system in *Ganoderma Lucidum* extraction-induced hypnosis
Yong-He Zhang, (PR China), X-Y Cui
- Thu 387 Roles of antioxidants and heat shock proteins as an antifatigue effect induced by meirusenju on aged mice
Jianrong Zhou, (Japan), K Yokomizo, T Miyata
- Thu 388 Study on anti-tumor activity and mechanism of methylacryloylshikonin *In vitro* and *in vivo*
Liming Zhou, (PR China), Y Wu, X Zheng, Z Shao
- Thu 389 Protection of a water-soluble Danshen (*Salvia miltiorrhiza*) extract and its active ingredients on paracetamol-induced toxicity in rat hepatocytes
Peter Xuelin Zhou, (PR China), WYW Lee, CM Cheung, PMY Or, JHK Yeung
- Thu 390 Higher specificity of the activity of low molecular weight fucoidan for thrombin-induced platelet aggregation
Z Zhu, Q Zhang, L Chen, S Ren, Dali Luo, (PR China)
- Thu 391 *In vitro* antifungal activity of the essence of *Thymus vulgaris* and *Myrtus communis* L against *Candida albicans* strains isolated from the patients with oral candidiasis in comparison with Nystatin
Mohammadali Zia, (Iran), M Rouholamin, M Bayat, H Khalkhali
- Thu 392 Making cream from bee propolis for treatment of dermatophytic infections
Mohammadali Zia, (Iran), M Rouholamin, R Mannani, S Gavanji
- Thu 393 Investigating potential immunomodulatory activity in native flora
James Ziogas, (Australia), L Ng, L Bennett, R Williams, K Robinson, AG Stewart

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- Thu 394 A collaborative capacity building project for developing human resources in the area of clinical trials in psychiatry: a Cuban –Canadian experience
Yudexi Mendoza, (Cuba), M Fors, MA Pascual, B Horner, C Cash, R Valle, Y Cachimaille
- Thu 395 Placebo response in depression. Results from two clinical trials in Cuba
Yudexi Mendoza, (Cuba), R Valle, MA Pascual
- Thu 396 Extinction of avoidance behavior by safety learning depends on intrahippocampal endocannabinoid signaling
Vincenzo Micale, (Germany), R Marsch, F Pamplona, F Drago, CT Wotjak
- Thu 397 Prenatal stress induces anxiety-like behavior together with structural and functional disruption of central serotonin neurons in mice
Kazuya Miyagawa, (Japan), M Tsuji, T Takeuchi, H Takeda
- Thu 398 α_2 -adrenoceptor blockage increases DOPA uptake and dopamine synthesis in the central nervous system of mice
Eduardo Moura, (Portugal), C Esteves-Pinto, MP Serrão, MA Vieira-Coelho
- Thu 399 Pharmacological evaluation of the antidepressant effects of new α_2 -adrenoceptor antagonists
Carolina Muguruza, (Spain), F Rodriguez, JE Ortega, L Urigüen, JJ Meana, LF Callado

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- Thu 400 Chronic antidepressants dampen the increase of depolarization-evoked glutamate release induced by acute behavioural stress in prefrontal/frontal cortex
Laura Musazzi, (Italy), M Milanese, F Pasqualina, Z Simona, B Tiziana, B Pietro, R Giorgio, R Maurizio, B Fabio, B Giambattista, P Maurizio
- Thu 401 Effects of clozapine and olanzapine on acquisition, consolidation and retention of memory in elevated plus maze test in mice
Oguz Mutlu, (Turkey), G Ulak, I Komsuoglu Celikyurt, F Erden, F Yıldıız Akar
- Thu 402 Knockdown of DISC1 by in utero gene transfer impaired postnatal dopaminergic maturation in the frontal cortex and adult behaviors
Toshitaka Nabeshima, (Japan), M Niwa, A Kamiya, K Kubo, K Kohda, Y Noda, K Nakajima, A Sawa
- Thu 403 Effects of early intervention with fluoxetine on anxiety-related behaviors induced in prenatally glucocorticoid exposed rats
Masatoshi Nagano, (Japan), M Liu, H Ozawa, H Suzuki
- Thu 404 Chronic L-DOPA treatment prevents increased binding of [11C] MDL100907 to 5-HT_{2A} receptors in a rat model of Parkinson's disease
Adjmal Nahimi, (Denmark), A Landau, M Høltzermann, S Jakobsen, S Østergaard, D Doudet, A Gjedde
- Thu 405 Dyskinesia inducing dopamine originates in serotonergic neurons
Adjmal Nahimi, (Denmark), M Høltzermann, A Landau, K Vang, S Jacobsen, G Wegener, D Doudet, A Gjedde
- Thu 406 Generation and characterization of conditional heparin-binding EGF-like growth factor knockout mice
Atsushi Oyagi, (Japan), Y Oida, K Kakefuda, M Shimazawa, N Shioda, K Kitaichi, D Nanba, Y Furuta, K Fukunaga, S Higashiyama, H Hara
- Thu 407 Description of a new method of primary culture of bovine retinal ganglion cells
Mercedes Palmero, (Spain), MA Company, V Maneu, JA Formigos
- Thu 408 Hippocampal neuroplasticity pathways in an animal model of depression: influence of chronic fluoxetine and δ -9-tetrahydrocannabinol administration
Angel Pazos, (Spain), F Pilar-Cuillar, V Valdizín, R Madureira, A Diaz, E Castro
- Thu 409 Adult neurogenesis and novelty-induced c-Fos expression in the hippocampus of GluA1 AMPA/glutamate receptor knockout mice
Chiara Procaccini, (Finland), T Aitta-aho, K Jaako-Movits, A Zarkovski, A-M Linden
- Thu 410 Behavioral inhibition in rats: a model to examine mechanisms underlying the risk to develop anxiety and depression
Chao Qi, (USA), P Roseboom, S Nanda, J Lane, J Speers
- Thu 411 The effects of 8-OH-DPAT on 6-OH dopamine-induced motor deficit in rat
Siamak Reyhani Rad, (Iran), A Mohajel Nayebi, J Mahmoudi,
- Thu 412 The effects of URB597, fatty acid amide hydrolase (FAAH) inhibitor, in the basolateral amygdala of rats on anxiety-Like behaviors
Ali Roohbakhsh, (Iran), A Hajizadeh Moghaddam, J Damchi Jelodar,
- Thu 413 Effect of combined psychiatric and clinical pharmacological audit
Eva Sædder, (Denmark), B Brock, B Klindt Poulsen, U Bartels
- Thu 414 The role of the histamine receptors on responses under restraint and psychological stress
Eiko Sakurai, (Japan), A Oikawa, K Yanai
- Thu 415 Multitarget effects of anxiolytic afobazol
S Seredenin, Mikhail Voronin, (Russian Federation), M Yarkova

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- Thu 416 Effect of Yokukan-san, a kampo Chinese traditional medicine on mGluR5 knock-out mouse, a model mouse for schizophrenia
Shigenobu Shibata, (Japan), A Fujimori, T Shimane, Y Nakano, K Horikawa
- Thu 417 Reversal of suppressive action of β -amyloid on long term potentiation in rat hippocampal slices by donepezil
Elena Solntseva, (Russian Federation), N Kapai
- Thu 418 Effects of polymorphism of MDR1, SLCO1B1 and CYP3A4 on the pharmacokinetics of Simvastatin in healthy Koreans
Hankil Son, (South Korea), SB Jang, YJ Lee, LA Lim, D, J Chung, K Park
- Thu 419 Pharmacokinetic interaction between duloxetine and second-generation antipsychotics in patients with psychotic disorders
Edoardo Spina, (Italy), C D'Arrigo, V Santoro, U Micogrove, MR Muscatello
- Thu 420 Human cerebrospinal fluid contains exosomes that represent a novel reservoir for therapeutic biomarker discovery
Jonathan M Street, (UK), RTA Chalmers, TS Walsh, DJ Webb, JW Dear
- Thu 421 Emotional behavior in pentylenetetrazol kindled mice
Kenshi Takechi, (Japan), K Suemaru, H Araki
- Thu 422 Increase in hippocampal synaptosomal-associated protein 25 in mice adapted to chronic variable stress
Hiroshi Takeda, (Japan), K Miyagawa, T Takeuchi, M Tsuji
- Thu 423 The 5-HT7 receptor mediates fear conditioning through the amygdaloid extracellular signal-regulated kinase Signalling mice
Minoru Tsuji, (Japan), K Miyagawa, T Takeuchi, H Takeda
- Thu 424 Ethic and psychiatry clinical trials' design
E Valle Cabrera, Y Mendoza Rodriguez, Yinet Barrese-Pérez, (Cuba)
- Thu 425 The impact of psychiatry clinical trials over the clinical practice. The Cuban experience
R Valle Cabrera, Y Mendoza Rodriguez, Yinet Barrese-Pérez, (Cuba)
- Thu 426 A "two-step" competition binding approach to determine unlabelled ligand-receptor complex dissociation rates
Georges Vauquelin, (Belgium), M Wennerberg, A Balendran, A Packeu
- Thu 427 Peripheral blood mononuclear cell gene expression profiles identify subjects with major depressive disorder (MDD) among healthy controls
J Vistisen, J Tamm, R Artymyshyn, I Antonijevic, M Das, A Abdourahman, Birgitte Søgaard, (Denmark)
- Thu 428 Stereotypy in the deer mouse, correlation with cortico-striatal oxidative status and dopamine turnover, and response to combined fluoxetine/risperidone treatment
De Wet Wolmarans, (South Africa), M Guldenpfennig, B Harvey, D Stein, J du Preez
- Thu 429 Erythropoietin-induced sonic hedgehog expression contributes to brain-derived neurotrophic factor-mediated neuroprotection against mitochondrial dysfunction
Ding I Yang, (Taiwan), CL Wu
- Thu 430 Gravity-changing stress increases serotonin-related gene expression in the mouse brain
Mitsuhiro Yoshioka, (Japan), T Yamaguchi, H Ohta, J Gyotoku, T Ochiai
- Thu 431 Inhibition of acetylcholinesterase activity in a rat model of Wernicke's encephalopathy: *In vivo* and *In vitro* effects of thiamine
A Zarros, Hussam Al-Humadi, (Greece), C Liapi, M Almpani, V Stolakis, E Katsouni, S Tsakiris

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Discovery and validation of the combinational therapeutic targets for Alzheimer's disease: a preliminary study
Wenxia Zhou, (PR China), X-R Cheng, N Jiang, Y Zhang

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NUCLEAR RECEPTOR TARGETS FOR TREATMENT OF DISEASES

Thu 433

In silico approach to develop new selective PPAR γ modulators (SPPARMs)
Francesca Mancini, (Italy), M Vitiello, G Mangano, G Pochetti, MA Alisi, E Fioravanzo, N Cazzolla, L Polenzani

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Peroxisome proliferator-activated receptor (PPAR) agonists protect podocytes from human kidney against cell death induced by oxygen/glucose deprivation-reoxygenation
Gianluca Miglio, (Italy), AC Rosa, L Rattazzi, R Fantozzi

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Analysis of glucocorticoid receptor gene haplotype structure and its influence on disease activity and steroid therapy outcome in inflammatory bowel disease patients

Jessica Mwinyi, (Switzerland), C Wenger, JJ Eloranta, GA Kullak-Ublick

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Influence of LHRH on sex hormone receptors in the CA3 of hippocampi of the male rat

Bojana Petrovic, (Republic of Serbia), Z Zoric, D Drekcic

Thu 437

Inhibition of leukocyte endothelial cells interactions by activation of retinoid X receptor

Laura Piqueras, (Spain), E Morcillo, C Company, J Cortijo, MJ Sanz

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Comparative analysis of gene regulation by the transcription factor PPAR α between mouse and human

Maryam Rakhshandehroo, (The Netherlands), G Hooiveld, M Müller, S Kersten

Thu 439

Interaction between peroxisome proliferator-activated receptor- α and NADPH oxidases plays an important role in the development of pressure-overload cardiac hypertrophy

Emma Robinson, (UK), DJ Grieve

Thu 440

The fat-induced satiety factor OEA suppresses feeding through central release of oxytocin

Adele Romano, (Italy), S Gaetani, J Fu, T Cassano, P Dipasquale, S Cianci, L Laconca, E Giannini, S Scaccianoce, D Piomelli, V Cuomo

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Renal side effects of short-term dexamethasone treatment

Ita Samarzija, (Croatia)

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Activation of liver X receptors (α and β) by HIV protease inhibitors atazanavir and ritonavir and inhibition by non-nucleoside reverse transcriptase inhibitor efavirenz

Jenny Svard, (Ireland), JP Spiers, F Mulcahy, M Hennessy

Thu 443

Expression of the receptor for advanced glycation end products (RAGE) and high mobility group box 1 (HMGB1) is related to human dental pulpitis progression

Salunya Tancharoen, (Thailand), T Tengrungsun, T Suddhasthira

Thu 444

Bag1 regulates chaperone-mediated triage decisions on degradation of chronic myelogenous leukemia oncoprotein, BCR-ABL

Fujiko Tsukahara, (Japan), Y Maru

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Neuroprotection of ginsenoside Rg1 against A β 25-35-induced neurotoxicity in primary cultured rat cortical neurons via nuclear steroid receptors activation
Jiang Wu, (PR China), Z Wang, X Zhang, W Zhu, Y Shen, J Lin, Y Su, Y Lou,