14th World Congress on Pharmacology and Drug Safety
Stockholm, Sweden August 15-17, 2018

Theme: Manifesto for Pharmacology and Drug Safety Surveillance from Principles to Practice

Interactive Sessions
Keynote Lectures
Plenary Lectures
Workshops
Exhibitors
B2B Meetings

***For available speaker slots***

https://pharmacology.annualcongress.com/
# Program at a Glance

## Day 1

<table>
<thead>
<tr>
<th>Time</th>
<th>General Session</th>
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<tbody>
<tr>
<td>08.00-09.00</td>
<td>Inaugural Address</td>
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<tr>
<td>09.00-09.15</td>
<td>Least of 3 Keynote/Plenary Talks</td>
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<tr>
<td>09.15-09.45</td>
<td>Keynote/Plenary Talk 1</td>
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<tr>
<td>09.45-10.15</td>
<td>Keynote/Plenary Talk 2</td>
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<tr>
<td>10.15-10.45</td>
<td>Keynote/Plenary Talk 3</td>
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### Morning Sessions

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<tr>
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<tr>
<td>09.00-10.40</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td>11.00-12.40</td>
<td>Coffee/Tea Break 10.45-11.00 (Networking)</td>
<td>5 Speakers (20 Mins Each)</td>
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<tr>
<td>15.45-17.25</td>
<td>Lunch Break 15.45-17.25</td>
<td>5 Speakers (20 Mins Each)</td>
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### Evening Sessions

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### Poster Sessions

**30 Speakers on Day 1**

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<tr>
<td>12.35-15.05</td>
<td>Lunch Break 12.35-15.05</td>
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<tr>
<td>15.05-15.20</td>
<td>Coffee/Tea Break 15.05-15.20 (Networking)</td>
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### Poster Sessions

**40 Speakers on Day 2**

## Day 3

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### Poster Sessions

**30 Speakers on Day 3**

## Awards & Closing Ceremony

For More Details: [https://pharmacology.annualcongress.com/](https://pharmacology.annualcongress.com/)
City Attractions

- Drottningholm Palace
- Gamlastan
- Nobel Museum
- Skansen Open Air Museum
- Skyview
- Stockholm City Hall
- Stockholm Palace
- Vasa Museum
STOCKHOLM. The capital of Sweden, Stockholm originated as a fortress on a small island part of an archipelago on the Baltic Sea at the mouth of Lake Mälaren. It is the most populous city in the Nordic countries with a population of more than 910,000. Stockholm, being the most populous city stretches across fourteen islands where the Lake Mälaren flows into the Baltic Sea. Outside the city and along the coast is the island chain of the Stockholm archipelago. Stockholm is often known as the ‘World’s Smallest Big City’ or the ‘World’s Biggest Small Town. Stockholm is the cultural, media, political, and economic center of Sweden.

Stockholm-Arlanda International Airport is the largest and busiest airport in Sweden with 24.7 million passengers in the year 2016. Stockholm Central Station has train networks to many Swedish cities as well as to other places like Oslo, Norway and Copenhagen, Denmark. The best places to visit in Stockholm are Gamla Stan (Old Town), The Royal Palace, Vasa Museum, Djurgarden island, Skansen Open-Air Museum, Fotografiska Museet photography museum, The City Hall, Royal National City Park, Sky View building. Stockholm often mentioned to as ‘Venice of the North’, for its beautiful buildings, attractive architecture, abundant open water, and numerous parks.

Climate in Stockholm:

Stockholm gives a completely unique experience depending upon the month of visit, yet every season has its own charm. The summer period between June and August can be surprisingly warm, with temperatures up to the mid-20s (high 70s Fahrenheit), so this is the ideal time for sightseeing. Sunlight lasts the longest during summer, with sunrise happening as early as 3:40 a.m. and setting at 10 p.m. and midsummer is one of the country’s biggest cultural celebrations as many festivals and events takes place during this time.

About Stockholm

Important Dates

Abstract submission opens: December 04, 2017
Registration opens: December 07, 2017
Early bird registration: January 08, 2018
On spot registration: August 15, 2018

Venue

Stockholm, Sweden
## Keynote Forum

**Introduction**

**Title:** Multiple D2 heteroreceptor complexes in the ventral striatum: Relevance for schizophrenia and cocaine use disorder and their treatments  
**Kjell Fuxe,** Karolinska Institutet, Sweden

**Networking and Refreshments Break**

**Title:** Potential antischistosomal activity of PDE inhibitors using in vitro Schistosoma mansoni worm killing  
**Sanaa S Botros,** Theodor Bilharz Research Institute, Egypt

**Title:** Pharmacokinetics of the poly (ADP-ribose) polymerase inhibitor (PARPi) niraparib  
**Zhi-Yi Zhang,** TESARO, Inc., USA

## Group Photo

**Session:** Cardiovascular Pharmacology | Ethnopharmacology | Immunopharmacology | Pharmacogenetics and Pharmacogenomics | Advances in Pharmacological Research

**Session Chair:** Zhi-Yi Zhang, TESARO, Inc., USA  
**Session Co-chair:** Sanaa S Botros, Theodor Bilharz Research Institute, Egypt

**Session Introduction**

**Title:** The effect of some immunomodulatory and anti-inflammatory drugs on Li-Pilocarpine-induced epileptic disorders in wistar rats  
**Layla E Borham,** Cairo University, Saudi Arabia

**Title:** Current topics in computer-aided drug design technologies: Future aspects  
**Reham F Barghash,** National Research Center, Egypt

**Lunch Break**

**Title:** Nonhomologous end joining of complex DNA double-strand breaks with proximal thymine glycol and interplay with base excision repair  
**Mohammed Almohaini,** King Saud bin Abdulaziz University for Health Sciences, Saudi Arabia

**Title:** Cardiovascular effects of *Calea prunifolia* H.B.K. in wistar rats  
**María Esperanza Avella Vargas,** Military University of New Granada, Columbia

**Title:** A novel approach to the conjugation of adenine with a quinazoline moiety for the development of a new therapeutic agent  
**Vasiliki Daikopoulou,** R.G.C.C. S.A., Greece

**Title:** Characterization and evaluation of antioxidant activity of *Ocimum canum* leaves and its efficiency on Schistosoma mansoni larval stage  
**Heba Abdel-Hady,** Theodor Bilharz Research Institute, Egypt

**Networking and Refreshments Break**

**Title:** Patients sometimes celebrate adverse effects as evidence of potency and efficacy in Africa  
**Shaibu O Bello,** UDUS, Nigeria

**Title:** Anti-arthritic activity of marketed lauha bhasma  
**Savita D Patil,** H. R. Patel Institute of Pharmaceutical Education and Research, India

**Title:** Hepatoprotective potentials of some plant extract against insecticides induced oxidative stress and liver damage in mice  
**Tarek M Heikal,** National Research Centre, Egypt
Panel Discussion
Day 2  September 05, 2017
Amphi Theater

Sessions: Neuropharmacology and Psychopharmacology | Clinical Pharmacology and Receptor theory | Pharmacokinetics and Pharmacodynamics | Pharmacology | Biochemical Pharmacology

Session Chair: Maria Esperanza Avella Vargas, Military University of New Granada, Columbia
Session Co-chair: Vasiliki Daikopoulou, R.G.C.C. S.A., Greece

Sessions:
- Neuropharmacology and Psychopharmacology
- Clinical Pharmacology and Receptor theory
- Pharmacokinetics and Pharmacodynamics
- Pharmacology
- Biochemical Pharmacology

Session Introduction

Title: 14-O-methylmorphine-6-O-sulfate, a novel opioid agonist displays peripheral antinociception following local or systemic administration
Mihaly Balogh, Semmelweis University, Hungary

Title: Polyphenols potentialize the cytotoxic activity of gemcitabine on pancreatic cancer cell line AsPC-1
Sarah Hassan, University of Strasbourg, France

Networking and Refreshments Break

Title: ETS1 is associated with cisplatinum resistance though IKKa/NF-κB pathway in MDA-MB-231
Yuzhu Zhang, Longhua Hospital Affiliated to Shanghai University of TCM, China

Title: Hyperthermia suppress peritoneal metastasis from colorectal cancer and enhance the chemotherapeutic sensitivity of raltitrexed by downregulating Hsp90
Yueqi Li, East China University of Science and Technology, China

Title: Assessing the role of N-methyl-D-aspartate (NMDA) receptors and voltage dependent calcium channels (VDCCs) in synaptic plasticity induced by the combined application of tetanic stimulation and pentylenetetrazol in hippocampus area CA1 of sodium salicylate treated rats
Masoumeh Gholami, Tarbiat Modares University, Iran

Title: Gundelia tournefortii anti-diabetic efficacy: Chemical composition and GLUT4 translocation
Sleman Kadan, Al-Qasemi Academic College, Israel

Title: Clinical pharmacokinetics aspect of drugs in patients with hypertension at the internal medicine department of Hospital Padangpanjang (Indonesia)
Fadhila Helnisa, University of Birmingham, UK

Lunch Break 13:15-14:05 @ Sunset-2

Title: Consider Ertapenem as culprit for central nervous system related adverse effects
Tie Teck Kim, Changi General Hospital, Singapore

Title: Effect of pregabalin on peripheral neuropathy-induced neuronal and microglial activations in rat brain
Young Bae Kwon, Chonbuk National University, South Korea

Poster Presentations

PC-001
Title: Peripheral neuropathic pain treated with pregabalin or gabapentin in routine clinical practice: The effect of therapeutic doses on cost of treatment
Javier Rejas-Gutierrez, Pfizer SLU, Spain

PC-002
Title: A QA study of adverse drug reaction patient communication
Mike McDonough, Western Health, Australia

PC-003
Title: Evaluation of residual Host cell DNA in E-coli based recombinant proteins released in Iranian pharmaceutical market by RT-PCR method
Mahmoud Alebouyeh, Food and Drugs Control Laboratories Reference Center, Iran

PC-004
Title: Profiling and identification of multi-component interaction related to anti-inflammatory effect of traditional herb medicine
Hyun-A OH, Korea Institute of Science and Technology (KIST), South Korea

PC-005
Title: Evaluation of antiflucter activity and intestinal motility of Calea prunifolia HBK
Maria Esperanza Avella Vargas, Military University of New Granada, Columbia
Title: Universal real-time PCR assay for quantitation of residual Host cell DNA in human recombinant protein based on CHO available in Iranian market
Fariba Mohseni, Food and Drugs Control Laboratories Reference Center, Iran

Title: Development of a cell-based Corin Assay
Frank Wunder, Bayer AG, Germany

Title: Thrombin induces IL-8/CXCL8 expression in human lung epithelial cells by mTOR, p70S6K, p300, and NF-κB pathways
Bing-Chang Chen, Taipei Medical University, Taiwan

Title: Analyzing the effects of chronic cyclooxygenase-2 inhibition in the gastrointestinal tract
Bernadette Lázár, Semmelweis University, Hungary

Title: Radical scavenger activities of jabuticaba fruit extract (Myrciaria cauliflora) and its biological effects in hypertensive rats
Matheus L Rocha, Federal University of Goias, Brazil

"Title: Influence of the medicinal plant extracts (zizyphus lotus) on the crystallization of ammonium-magnesium phosphate hexahydrate (struvite)"
Nacira Benahmed, University of Bechar, Algeria

Title: Evaluation of the activity of Calea prunifolia HBK on Central Nervous System, analgesic and anti-inflammatory
María Esperanza Avella Vargas, Military University of New Granada, Columbia

Networking and Refreshments Break

Awards & Closing Ceremony

Day 3 September 06, 2017

Networking

14th World Congress on Pharmacology and Drug Safety
August 15-17, 2018 Stockholm, Sweden

https://pharmacology.annualcongress.com/
Day 1  August 08, 2016

Registrations

Brunel Suite

Opening Ceremony

Keynote Forum

Introduction

Title: Medicinal applications of fulvic acid
CEJ van Rensburg (Connie Medlen), University of Pretoria, South Africa

Networking and Refreshment Break

11:30-12:10  Title: Biologically active compounds of plant origin and their synthetic derivatives: prospective therapeutic agents
Karen Mulkijayan, Tbilisi State Medical University, Georgia

Group Photo

Sessions:
Pharmacology | Neuropharmacology | Psychopharmacology | Advances in Pharmacological Research
Session Chair: CEJ van Rensburg (Connie Medlen), University of Pretoria, South Africa
Session Co-Chair: Alexander Kulikov, Siberian Division of Russian Academy of Sciences, Russia

Session Introduction

Title: Safflower oil: An integrated assessment of phytochemistry, antiulcerogenic activity, and rodent and environmental toxicity
Walber Toma, Santa Cecilia University, Brazil

Title: Enhancement of the immunostimulatory functions of ex vivo-generated dendritic cells from early-stage colon cancer patients by consecutive exposure to low doses of sequential-kinetic-activated IL-4 and IL-12. A preliminary study
Elisabetta Radice, University of Turin, Italy

Lunch Break

Title: Spatial learning in the Morris water maze in mice genetically different in the predisposition to catalepsy: The effect brain-derived neurotrophic factor
Alexander Kulikov, Siberian Division of Russian Academy of Sciences, Russia

Title: Experimental study of the effectiveness of antioxidant therapy in treating the most common diseases of the male reproductive system
T.G. Borovskaya, Goldberg Research Institute of Pharmacology and Regenerative Medicine, Russia

Title: New dimensional role of circulatory microRNAs in acute myocardial infarction
Ali Sheikh Md Sayed, Central South University, China

Title: Angiotensin receptor blockers as a possible brain-inflammation modulators: In vitro and in vivo studies
Freisher-Berkovich S, Ben-Gurion University of the Negev, Israel

Title: The role of cyclic AMP-ERK-c-Jun pathways on L-DOPA-induced neurotoxicity in neuronal and PC12 cells and the in vivo applications
Myung Koo Lee, Chungbuk National University, Republic of Korea

Sessions:
Ethnopharmacology | Pharmacology | Drug Screening and Discovery
Session Chair: CEJ van Rensburg (Connie Medlen), University of Pretoria, South Africa
Session Co-Chair: Hui-Hui Xiao, The Hong Kong Polytechnic University, PR China

Session Introduction

Title: Comparative studies on antiulcer activity of traditional plant sources- A select study
P Brindha, SASTRA University, India
Title: Study of renal and cytotoxic effects induced by Bothrops pauloensis venom
Aline Diogo Marinho, Federal University of Ceara, Brazil

Title: Lignans from Sambucus williamsii Hance exerts oestrogen-like effects in osteoblastic cells and its metabolites in rats
Hui-Hui Xiao, The Hong Kong Polytechnic University, PR China

Title: Sulforaphane prevents cholinergic deficits and cognitive impairment in mice
Jiyoung Kim, Seoul National University, Korea (South)

Title: Antimicrobial anthrones from the leaves latex of Aloe sinana, Reynold
Genet Minale, Ambo University, Ethiopia

Title: A forward to optimization of antivenom therapy: An in vivo study upon the effectiveness of the antivenom against early and delayed nephrotoxicity induced by the venom of the Iranian scorpion Hemiscorpius lepturus in rat
Jalali A, Ahvaz Jundishapur University of Medical Sciences, Iran

Panel Discussion
Day 2 August 09, 2016
Brunel Suite

Sessions:
Neuropharmacology | Pharmacokinetics and Pharmacodynamics | Biochemical Pharmacology | Pharmacological Testing

Session Chair: Karen Mulkijanyan, Tbilisi State Medical University, Georgia
Session Co-Chair: Alexander Kulikov, Siberian Division of Russian Academy of Sciences, Russia

Session Introduction
Title: Carnosic acid prevents 6-hydroxydopamine induced-apoptosis is associated with modulation ARTS and XIAP by parkin in SH-SY5Y cells
Chai-Wen Tsai, China Medical University, Taiwan

Title: Hyperphosphatemia in end stage renal disease patients undergoing maintenance hemodialysis at a tertiary care hospital in Ras Al Khaimah, UAE
Syed Arman Rabbani, RAK Medical and Health Sciences University, UAE

Title: MicroRNA-9 induces defective trafficking of Nav1.1 and Nav1.2 by targeting Navβ2 protein coding region in rat with chronic brain hypoperfusion
Lihua Sun, Harbin Medical University, China

Networking and Refreshment Break

Title: Cardiac over-expression of microRNA-1 induces impairment of cognition in mice
Jing Ai, Harbin Medical University, China

Title: Levetiracetam and cognition in sporadic dementia of Alzheimer’s type in rats
Cherine Adel Ismail, Alexandria University School of Medicine, Egypt

Title: The critical role of mast cell-derived hypoxia-inducible factor-1α in colon cancer infiltrated with mast cell
Xin Liang, East China University of Science and Technology, PR China

Title: miR-297 modulates multidrug resistance in human colorectal carcinoma by down-regulating MRP-2
Ke Xu, Shanghai University of Traditional Chinese Medicine, PR China

Title: Biochemical and physiological studies of ischemia reperfusion in (doca)-salt hypertensive rat heart
Flory Revnic, NIGG”Ana Aslan”, Romania

Networking and Refreshment Break

Poster Presentations @ 13:45-14:45

PC-001
Title: Novel amino-flavonoids: Multi-target compounds as potential agents for co-morbid type-2 Diabetes and Tuberculosis treatment
Tlaila TB, University of KwaZulu-Natal, South Africa

PC-002
Title: Preclinical druggability studies of the candidate drug DL0410 for anti-Alzheimer's disease
Ai-Lin Liu, Chinese Academy of Medical Sciences and Peking Union Medical College, China
Title: Opinion leaders: A rising marketing tool to promote new medicines
Anne-Laure Pittet, University of Lausanne and Centre Hospitalier Universitaire Vaudois (CHUV), Switzerland

Title: Electrophysiological and trafficking defects of the SCN5A T353I mutation in Brugada syndrome are rescued by alpha-allocryptopine
Yang Li, General Hospital of People’s Liberation Army, PR China

Title: Trafficking defects underlying the mechanisms of acquired Brugada syndrome induced by amitriptyline
Xi Chen, General Hospital of People’s Liberation Army, PR China

Title: Investigation of the anti-nociceptive and sedative-hypnotic effects of leaf methanol extract of Ballota africana (L.) Benth. (Lamiaceae) in mice
George J Amabeoku, University of the Western Cape, South Africa

Title: Reversal of P-glycoprotein-mediated multidrug resistance by cinobufagin
Zeting Yuan, Shanghai University of Traditional Chinese Medicine, PR China

Title: Increase urine volume by novel pendrin inhibitors in mice
Jae Young Choi, Yonsei University College of Medicine, Korea

Title: Cryptotanshinone reduces the level of topoisomerase 2 in human prostate cancer cells and affects the cytotoxicity of anticancer drugs
Minyoung Lee, Korea Institute of Radiological and Medical Sciences, Korea

Title: Hypericum extract WS® 5570 binds to melatonin receptors and increases melatonin plasma levels in rats: Possible contribution in the therapy of insomnia depression
Sabrina Kraft, Dr. Willmar Schwabe Pharmaceuticals, Germany

Title: Effect of aqueous extracts of pawpaw (Carica papaya) seeds on some fertility parameters of male Wister albino rats
Onaolapo Mao, Federal College of Education, Nigeria

Title: Ameliorative effect of ginger extract in high-fat diet and streptozotocin-induced hyperglycemic rats
Kinanti Narulita Dewi, Sultan Agung Islamic University, Indonesia

Title: Cardiovascular disease pattern in outpatient department of Gondar University Referral Hospital: A 6 year retrospective cross sectional study
Yonas Getaye Tefera, University of Gondar, Ethiopia

Young Researchers Forum

Title: Protective effect of Hypericum triquetrifolium Turra on Cyclophosphamide–induced hepatotoxicity in rats
Songul Cetik, Mardin Artuklu University, Turkey

Title: A new model of depressive-like behavior in rats and mice for preclinical drug discovery
Anna Morozova, V.P Serbsky Federal Medical Research Center for Psychiatry and Narcology, Russia

Title: Ecotoxicological evaluation and occurrence of losartan potassium and valsartan in a Brazilian coastal zone
Luciana Lopes Guimaraes, Santa Cecilia University, Brazil

Title: Motivational interviewing in a patient with Schizophrenia to achieve treatment collaboration: A case study
Melike Ertem, Dokuz Eylul University, Turkey

Networking and Refreshment Break

Kecheng Lei, East China University of Science and Technology, PR China
Title: Functionalization of the dendron-based carrier system with ApoE-derived peptide for enhancing blood-brain barrier targeting and permeability of drug used in the treatment of Alzheimer’s disease

S Al-azzawi, University of Brighton, UK
Title: Development of Wound Healing Ointment on the Basis of Natural Biopolymer

Sopio Gokadze, Tbilisi State Medical University, Georgia
Title: Immunomodulatory and anti-bacterial activities of standardized methanolic extract of Clerodendrum infortunatum Linn.

Somit Dutta, University of North Bengal, India

Panel Discussion
Award & Closing ceremony

Day 3 August 10, 2016
Extended Networking Session @ Albany Foyer
conferenceseries.com

7th Euro-Global Summit on
Pharmacology and Applied

Scientific Program

October 24-26, 2016  Rome, Italy
Day 1        October 24, 2016

Olimpica 2

Registrations

conferenceseries.com

Opening Ceremony

Keynote Forum

Introduction
Title: Exposomics and systems medicine, two sides of the same coin
Stefano Bonassi, IRCCS San Raffaele Pisana, Italy
Title: Pharmacology studies and results for determining safety of a novel anti-neutropenic factor–ANF-Rho™
Hemant Misra, Prolong Pharmaceuticals, USA
Title: The metabolism and pharmacokinetics of steviol glycosides and their impact on the ADI
Ashley Roberts, Intertek Scientific & Regulatory Consultancy, Canada
Title: Environmental exposures, gene polymorphisms and breast cancer risk

Session 1:  
Occupational Pharmacology | Nano Pharmacology

Session Chair: Ashley Roberts, Intertek Scientific & Regulatory Consultancy, Canada
Session Co-chair: Vesna Matovic, University of Belgrade, Serbia

Session Introduction
Title: Nanomedicines in the European translational process
Susanne Bremer Hoffmann, Joint Research Centre-European Commission, Italy
Title: Development of novel targeted therapies for triple negative breast cancer: Targeting EF2-kinase
Bulent Ozpolat, University of Texas, USA
Title: Change of rodent carcinogenicity testing
Gerd Bode, University of Gottingen, Germany
Title: Attenuation of adverse health effects of metallic nanoparticles with innocuous bioprotectors: Mechanistic hypotheses and experimental results
I A Minigalieva, The Medical Research Center for Prophylaxis and Health Protection in Industrial Workers, Ekaterinburg, Russia
Title: Blood cancers from environmental exposure near an oil refinery
James Dahlgren and Patrick Talbott, USA

Lunch Break @ Hotel Restuarants

Title: Urine sediment as DNA source in the study of susceptibility biomarkers
Pieranna Chiarella, Istituto nazionale Assicurazione Infortuni sul Lavoro, Monte Porzio, Italy
Title: Oxidized graphene exhibits toxicity toward single-celled eukaryotes
Yazan Akkam,Yarmouk university, Jordan
Title: Crime, re-offense and substance abuse of patients with severe mental disorder
José Fernando Santos Almeida, Instituto Universitário da Maia, Portugal
Title: The insect repellent N,N-diethyl-m-toluamide (DEET) induces angiogenesis via allosteric modulation of the M3 muscarinic receptor in endothelial cells
Samuel Legeay, University of Angers, France

Session 2:
Drug Pharmacology | Human & Health Pharmacology | Toxicologic Pathology
Session Chair: Yiqun Deng, South China Agricultural University, China
Session Co-chair: Mahmoud M El Mas, Alexandria University, Egypt

Session Introduction

Title: Characterization and regulation of the expression of drug transporters in human skin
Hanan Osman Ponchet, DMPK Research, France

Title: Vancomycin-induced skin eruptions with susceptibility alleles to SJS/TEN
Liping Yang, Beijing Hospital, Dongcheng, P R China

Title: Kidney cell assays for in vitro safety profiling of single stranded oligonucleotides
Marcel Gubler, F. Hoffmann-La Roche Ltd, Switzerland

Networking and Refreshment Break @ Foyer

Title: East Indian sandalwood oil (EISO) alleviates inflammatory and proliferative pathologies of psoriasis
Manju Sharma, Vancouver Prostate Centre, Canada

Title: Fall in leukocyte count for monitoring of immunosuppressive and anti-cancer drug therapy
Frieder Keller, University Hospital Ulm-University of Ulm, Germany

Title: Evaluation of the effects of experimental PCB toxification on oxidative and antioxidative status in central nervous systems tissues and the protective effect of curcumin
Halef Okan Dogan, Cumhuriyet University, Turkey

Session 3:
Pharmacology & Pharmacology | Food Pharmacology

Session Chair: Giovanni Pagano, Federico II Naples University, Italy
Session Co-chair: Qing Xia, National Center of Biomedical Analysis, China

Title: Natural and synthetic cannabinoids: The good, the bad, and the tragic
Anna Radominska Pandya, University of Arkansas for Medical Sciences, USA

Title: Endothelin modulation of the cyclosporine/NSAIDs cardiovascular and renal interactions
Mahmoud M El Mas, Alexandria University, Egypt

Title: Effect of exposure area on nerve agent absorption through skin in vitro
Christopher Dalton, Defence Science and Technology Laboratory, UK

Title: Folic acid and vitamin B$_{12}$ as possible panacea against nicotine induced pancreatic $\beta$-cell apoptosis and dysfunction
Sandip Mukherjee, Serampore College, India

Title: Guidance on the selection of cohorts for extended one-generation reproduction toxicity study (OECD 443)
Alan Poole, European Centre for EcoPharmacology & Pharmacology of Chemicals, Belgium

Panel Discussions

Day 2 October 25, 2016

Olimpica 2

Keynote Forum

Introduction
Title: Modulation of cigarette smoke lung carcinogenesis: The experimental background
Silvio De Flora, University of Genoa, Italy

Title: Mitochondrial biogenesis protects animal cells from T-2 toxin
Yiqun Deng, South China Agricultural University, China

Title: Rare earth elements as novel environmental contaminants: Current knowledge and research priorities
Giovanni Pagano, Federico II Naples University, Italy

Title: Role of altered adult neurogenesis in manganese-induced Parkinsonian disorder
Wei Zheng, Purdue University, USA

Title: The nanotoxicological influence of nanoparticles on vascular function
May Azzawi, Manchester Metropolitan University, UK

Networking and Refreshment Break @ Foyer

Title: The miracle fruit: The next generation anti-diabetic drug in type 2 Diabetes Mellitus- A comprehensive study in animal model
Swamy KB, Mahsa University-Jalan Elmu Off Jalan University, Malaysia

Title: Preliminary results from a long-term repeat dose toxicity and toxico-kinetic study of ANF-Rho- A novel anti-neutropenic factor
Hemant Misra, Prolong Pharmaceuticals, USA
## Sessions 1:

**Environmental Pharmacology | Risk Assessment | Metal Toxicity**

**Session Chair:** Marcelo L Larramendy, National University of La Plata, Argentina  
**Session Co-Chair:** May Azzawi, Manchester Metropolitan University, UK

### Session Introduction

**Title:** Potentialities of synchrotron radiation (SR) fourier transform infrared microscopy (FTIRM) for environmental Pharmacology and pharmacology  
**Lisa Vaccari,** Elettra Sincrotrone Trieste, Italy

**Title:** Effects of linuron on a rooted aquatic macrophyte in sediment-dosed test systems  
**Gertie H P Arts,** Alterra Wageningen University and Research Centre, The Netherlands

### Lunch Break @ Hotel Restaurants

**Title:** Nickel related *Staphylococcus aureus* infections in atopic dermatitis  
**Anna Magdalena Bogdali,** Jagiellonian University Medical College in Krakow, Poland

**Title:** Coal-burning type of endemic fluorosis in China — From basic research to clinic prevention  
**Zhi-Zhong Guan,** Guizhou Medical University, P. R. China

**Title:** Assessment of levels of heavy metals in fluted pumpkin (*Telfairia occidentalis*) leaves planted at varying distances away from mega refueling service stations in Nigeria  
**Uduak Luke,** University of Uyo Teaching Hospital, Nigeria

**Title:** $^{137}$Cs in soil and milk in the region of Zagreb, Croatia  
**Branko Petrienec,** Institute for Medical Research and Occupational Health, Croatia

**Title:** Converging effects of a PCB mixture, bisphenol A and chlorpyrifos on the expression of genes regulating neural progenitor identity, interneuron development and gliogenesis in developing rat hippocampus  
**Walter Lichtensteiger,** GREEN Tox, Switzerland

### Workshop on Pharmacology of Mixtures

**Title:** Co-treatment with PCBs potenciates Cd nephrotoxicity  
** Vesna Matovic,** University of Belgrade, Serbia

### Sessions 2:

**Genetic Pharmacology | Pharmacology Testing | Forensic Pharmacology**

**Session Chair:** Stefano Bonassi, IRCCS San Raffaele Pisana, Italy  
**Session Co-Chair:** Wei Zheng, Purdue University, USA

### Session Introduction

**Title:** Mechanistic study of TEMPO-associated oxidative stress and genotoxicity  
**Nan Mei,** National Center for Toxicological Research, USA

**Title:** Pharmacokinetic studies of protein drugs and assessment of their metabolism  
**Eric Ezan,** Health Technology Program-CEA, France

### Networking and Refreshment Break @ Foyer

**Title:** A 52-week safety study in *Cynomolgus macaque* for genetically modified rice expressing Cry1Ab/1Ac protein  
**Qing Xia,** National Center of Biomedical Analysis, China

**Title:** Fifteen years’ experience treating cells with inorganic arsenic, a molecule able to induce genetic/genomic instability and epigenetic changes even after its removal  
**Fabio Caradonna,** University of Palermo, Italy

**Title:** mRNA and miRNA expression patterns associated to pathways linked to metal mixture health effects  
**Rojas E,** Universidad Nacional Autonoma de Mexico, Mexico

**Title:** Computational prediction of interaction of lumefantrine with human topoisomerase II beta complexed to DNA  
**Carmen Lucia Bassi Branco,** Federal University of Mato Grosso, Brazil

### Forum:

**Dialogue with the Experts**  
A forum aimed to answer common questions to prevent laboratory chaos  
**Moderated By**

**Stefano Bonassi,** IRCCS San Raffaele Pisana, Italy  
**Marcelo L Larramendy,** National University of La Plata, Argentina
Title: Modulation of drug metabolizing enzymes by dietary doses of sulforaphane; role in its anti-hypertensive and anti-oxidant effect in spontaneously hypertensive rats
Fawzy Elbarbry, Pacific University, USA

Title: Reactive oxygen species (ROS), oxidative stress and antioxidants: Enzyme mimetic selenium compounds as redox regulators
Govindasamy Mugesh, Indian Institute of Science, India

Title: Pharmacology of polymeric biomaterials: A regulatory approach
Mohanan PV, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India

Lunch Break @ Hotel Restaurants

Sessions 1:
Pharmacological and Toxicological Methods | Systems Pharmacology | Toxicovigilance
Session Chair: Swamy KB, Mahsa University-Jalan Elmu Off Jalan University, Malaysia
Session Co-Chair: Fawzy Elbarbry, Pacific University, USA

Session Introduction
Title: Dark purple glutinous rice Var. Luem Pua tea prevents DSS-induced colitis in mice
J Sattayasai, Khon Kaen University, Thailand
Title: A new pegylated recombinant E.coli L-asparaginase preparation (MC0609): Comparative pharmacokinetic/pharmacodynamic characterisation in Beagle dog and influence of anti-PEG IgM antibodies on the pharmacokinetics in B6D2F1 mice
Poppenborg Sabine M, Medac GmbH, Germany
Title: CCR-2 neutralization augments murine fresh bone marrow cells activation by S. aureus via ROS production and cytokine response
Ajeya Nandi, University of Calcutta, India
Title: Changes in rat urinary heme metabolites predict the magnitude of the neurotoxic effects induced by a mixture of lead, arsenic and manganese
Vanda Maria Falcão Espada Lopes de Andrade, Universidade de Lisboa, Portugal
Title: X-ray fluorescence imaging in Pharmacology
Yulia Pushkar, Purdue University, USA
Title: Effect of soy bean on histomorphometric parameters of stomach and biochemical factors of blood serum in animal model
Simin Fazelipour, Islamic Azad University, Iran

Sessions 2:
Pharmacology | Current Advances
Session Chair: Lisa Vaccari, Elettra Sincrotrone Trieste, Italy
Session Co-Chair: Alan Poole, European Centre for EcoPharmacology & Pharmacology of Chemicals, Belgium

Session Introduction
Title: From the lungs to the brain: The fantastic voyage of nanoparticles targeting beta-amyloid (Aβ)
Giulio Sancini, University of Milano, Italy
Title: BTEX is implicated in gasoline-induced oxidative stress in male albino Wistar rats
Friday E Uboh, University of Calabar, Nigeria

Networking and Refreshment Break @ Foyer
Title: Pre-activation of acetylcholine M3 receptor leads to cannabinoid type 1 receptors regulation: A new cross talk mechanism involving intracellular calcium mobilization in SH-SY5Y human neuroblastoma cells
Pietro Marini, University of Aberdeen, UK
Title: Determination of some blood hydrocarbons contents, oxidative stress markers and haematological indices of rats orally exposed to bonny light crude oil
Saviour U Ufot, University of Calabar, Nigeria
Title: Nutraceuticals for hypertension care: A network based approach
Matteo Micucci, University of Bologna, Italy
Title: Effects of lornoxicam and intravenous ibuprofen on erythrocyte deformability liver and renal blood flow in rats
Ayşegül Küçük, Kütahya Dumlupinar University, Turkey

Title: The effect of proton pump inhibitors on bone mineral density in rats
Layla Ezzat Borham, Umm Al-Qura University, Saudi Arabia

Title: Beneficial effects of phloretin on oxidative and inflammatory reaction in rat model of cecal ligation and puncture induced sepsis
Omid Sabzevari, Tehran University of Medical Sciences, Iran

Title: Carbon monoxide modulates infection-induced proinflammatory cytokine milieu in human placenta
Nazeeh Hanna, Winthrop University Hospital, USA

Title: Flavonoid effects on antihypertensive pharmacological therapy: Modulation on lipid profile, inflammation and association of ACE (I/D) polymorphism in treatment response
Marina M de Jesus Romero-Prado, Centro Universitario de Ciencias de la Salud, Mexico

**Poster presentations @ Cassia**

| ET01  | Title: Evaluation of oxidative stress, cytotoxic and DNA damaging effects of terbuthylazine in human peripheral blood lymphocytes in vitro  
Ana Lucić Vrdoljak, Institute for Medical Research and Occupational Health, Croatia |
|-----------------|----------------------------------------------------------------------------------|
| ET02  | Title: Potential toxicity of alkaline earth silicate wools (AESW) for thermal insulation: Evaluation of cyto-genotoxic and inflammatory effects on human lung cells  
Cinzia Lucia Ursini, Italian Workers’ Compensation Authority, Monteporzio Catone, Italy |
| ET03  | Title: Study of the genotoxic effects induced by two kinds of silica nanoparticles on human bronchial (BEAS-2B) epithelial cells  
Delia Cavallo, Italian Worker's Compensation Authority, Monteporzio Catone, Italy |
| ET04  | Title: Gene polymorphisms of selected biotransformation enzymes and lung cancer development with respect to chromium exposure  
E Halasova, Comenius University in Bratislava, Slovakia |
| ET05  | Title: Acute toxicity and the effects of copper sulphate (CuSO₄·5H₂O) on the behavior of the grey mullet (Mugil cephalus)  
Elnaz Erfanifar, Offshore Fisheries Research Center Chabahar, Iran |
| ET06  | Title: K⁺ channel blocker-induced neurodegenerative model: Pharmaco-immunomodulation effect of an antioxidant drug  
Fatima Laraba-Djebari, University of Science and Technology Houari Boumediene, Algeria |
| ET07  | Title: Protective effect of diterpene manool on genotoxicity induced by doxorubicin in Swiss mice  
Heloíza Diniz Nicolella, University of Franco, Brazil |
| ET08  | Title: Pesticide toxicogenomics across scales: Gene expression profiling in vitro predicts mechanisms of thyroid toxicity and other exposure outcomes in vivo  
Porreca Immacolata, Biogem Research Institute, Italy |
| ET09  | Title: Repair of the mutagenic DNA lesion O6-CMG in human colon epithelial cells  
J Dörhring, University of Veterinary Medicine Hannover, Germany |
| ET10  | Title: The effect of cilostazol on the pharmacokinetics of simvastatin in healthy Korean volunteers: In vitro time dependent inactivation of cilostazol and its active metabolite, OPC-13015  
Jee Sun Min, Catholic University of Korea, Bucheon, Republic of Korea |
| ET11  | Title: Evaluation of the in vitro inhibitory potentials of various dietary supplements against ten UDP-glucuronosyltransferase  
Jiseon Kim, Catholic University of Korea, Bucheon, Republic of Korea |
| ET12  | Title: Assessing potential drug-drug interactions of BST204 with anti-cancer drugs (5-fluorouracil, irinotecan, tamoxifen) using in vivo rat models  
Jung Ho Kim, Catholic University of Korea, Bucheon, Republic of Korea |
| ET13  | Title: Antioxidant properties of Algerian medicinal plant Matricaria pubescens on CCL4-induced liver toxicity in rats  
Kermandji Mohamed Azed, University of Constantine, Algeria |
| ET14  | Title: Antioxydant activity and preventive possibility of Algerian medicinal plant Matricaria pubescens on hepatic toxicity  
Khelifi Touhami Fatima, University of Constantine, Algeria |
ET15 Title: The effects of glycyrrhetinic acid derivatives on picrotoxin-induced epileptiform activity
M Ömer Bostanci, Hittit University, Turkey

ET16 Title: In vitro assessment of genotoxic and clastogenic/aneugenic potential of Crataegus oxyacantha L. (Rosaceae) fruits extract
Edson Luis Maistro, Sao Paulo State University, Brazil

Poster Session

ET17 Title: Estimation of thyroid hormone, i.e. total T4 in the toxicity study according to OECD guideline No. 422
Malgorzata Przybyla, Institute of Industrial Organic Chemistry, Poland

ET18 Title: The protective effect of Apocynin on Ochratoxin induced nephrotoxicity in rats
Maria Valeria Puzio, University of Naples Federico II, Italy

ET19 Title: General patterns and some peculiarities of organism’s defensive and pathological responses to impacts of different metallic and metal oxides nanoparticles: A synopsis of results obtained in animal experiments
Marina P Sutunkova, The Ekaterinburg Medical Research Center for Prophylaxis and Health Protection in Industrial Workers of the Rospotrebnadzor, Russia

ET20 Title: Effects of tembotrione herbicide on cytotoxic, genotoxic and biochemical markers in HepG2 cell line
Mirta Milić, Institute for Medical Research and Occupational Health, Croatia

ET21 Title: Effects of titanium nanoparticles on some blood parameters in female Wistar rats
Mustafa Canli, University of Cukurova, Turkey

ET22 Title: Cytotoxicity of nanoparticles from extracts of Tetradenia riparia: A preliminary evaluation
Nisha Singh, University of KwaZulu-Natal, South Africa

ET23 Title: The involvement of Na+K+-2Cl- co-transporter in the development of renal chronic failure
Sara Damiano, University of Naples Federico II, Italy

ET24 Title: Toxicokinetics and bio-distribution of PEGylated nanographene in mice
Syama S, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India

ET25 Title: Skin on a chip based alternatives to animal testing for categorizing irritant chemicals and non-irritant chemicals
Tae Hyun Choi, Seoul National University, South Korea

ET26 Title: Methylation-induced apoptosis is dependent on the generation of reactive oxygen species through the down-regulation of c-FLIPL expression in HUVECs
Tae Jin Lee, Yeungnam University, Korea

ET27 Title: Gene polymorphisms of the phase II detoxification enzymes and genotoxicity in shoe manufacturing personnel
Tatiana Matako, Comenius University in Bratislava, Slovak

ET28 Title: Contribution of cholinergic and dopaminergic disarrays to motor activity changes induced by exposure to a mixture of metals
Vanda Maria Falcão Espada Lopes de Andrade, Universidade de Lisboa, Portugal

ET29 Title: Enantiomeric effects of sibutramine enantiomers on cytochrome P450 inhibition in vitro
Yu Fen Zheng, Catholic University of Korea, Bucheon, Republic of Korea

ET30 Title: Neonatal chlorpyrifos exposure induces loss of dopaminergic neurons in young adult rats
Yuan-ying Deng, Third Xiangya Hospital of Central South University, P R China

ET31 Title: Histometric and histochemical study on thymus and lymph nodes in mice after using ritalin
Zahra Tootian, University of Tehran, Iran

ET32 Title: Are paraoxonase activities a marker of changes in the liver of healthy women caused by the use of oral contraceptives?
Halina Milnerowicz, Wroclaw Medical University, Poland

ET33 Title: Changes in lipid profile and paraoxonase activities in the blood of non-smokers and smokers aged ≥35 years in first trimester of pregnant women
Halina Milnerowicz, Wroclaw Medical University, Poland
Title: In vitro study of the effect of organophosphorus pesticide malathion in antioxidant enzymes activity in human erythrocytes from inhabitants of Northern of Sinaloa State, in Mexico
Xiomara Patricia Perea-Domínguez, National Polytechnic Institute, Mexico

Title: Are gene polymorphisms and AMH level good predictors of poor ovarian response in Egyptian women undergoing ICSI cycles?
Tarek M K Motawi, Cairo University, Egypt

Title: The in vivo effects of adenine-induced chronic kidney disease on some renal and hepatic function and CYP450 metabolizing enzymes
Mohammed Al Za'abi, Sultan Qaboos University, Oman

Day 3 October 26, 2016

Olimpica 2

Keynote Forum

Introduction

Title: Developmental lead exposure of children in China
Jingyuan Chen, Fourth Military Medical University, China

Title: Recent advances in the determination of elemental impurities in pharmaceuticals and drugs: Status, challenges and moving frontiers
V Balaram, National Geophysical Research Institute-CSIR, India

Sessions 1:
Clinical Pharmacology | Reproductive Pharmacology
Session Chair: Eva Cecilie Bonefeld-Jørgensen, Aarhus University, Denmark
Session Co-Chair: Jikai Wen, South China Agricultural University, China

Title: COX2 inhibition decreases ischemic damage to rat retina–function or structure
Yoram Oron, Tel Aviv University, Israel

Title: Activation of the estrogen receptor by human serum extracts containing mixtures of perfluorinated alkyl acids from pregnant women’s serum
Christian Bjerregaard-Olesen, Aarhus University, Denmark

Title: Tamoxifen and its derivatives bind to and act at cannabinoid receptors CB1 and CB2 with high affinity
Anna Radominska Pandya, University of Arkansas for Medical Sciences, USA

Networking and Refreshment Break @ Foyer

Title: Beta-blockers and sperm function
Banihani S A, Jordan University of Science and Technology, Jordan

Title: Individualised clinical Pharmacology: Physiological intermolecular modulation spectroscopy (PIMS), a technology to forsee drugs efficacy prior to administration
Pierre Eftekhar, Inoviem Scientific, France

Title: The utility of the minipig as an animal model in regulatory Pharmacology
Gerd Bode, University of Gottingen, Germany

Title: Dioxin-like POPs: Induced aryl hydrocarbon receptor transactivity in the Danish pregnant women
Manhai Long, Aarhus University, Denmark

Title: Genotypic and phenotypic patterns of antimicrobial susceptibility of Helicobacter pylori strains among Egyptian patients
Marwa Saad Fathi, Ain Shams University, Egypt

Title: Neuropharmacological and cochleotoxic effects of styrene can worsen the noise impact
Pierre Campo, Institut National de Recherche et de Sécurité, France

Lunch Break @ Hotel Restaurants

Young Researchers Forum

Title: Proposed criteria for the evaluation of the scientific quality of mandatory rat and mouse feeding trials with whole food/feed derived from genetically modified plants
Kerstin Schmidt, BioMath GmbH, Germany

Title: The effect of the first- and second-generation of antipsychotic drugs on SH-SY5Y brain cells and their toxicity
Israa J Hakeem, University of Birmingham, UK
Title: Concomitant exposure of bacoside A and bromelain relieves dichlorvos toxicity in mice serum
Sonam Agarwal, Banasthali University, India

Title: Determination of chromium by ETAAS in hair and urine of tannery workers: The interest of alternative biological matrices
Mohammed Riffi, CHU Bab el Oued, Algéria

Title: Flexibility for automated cell based assays
Lena Schober, Fraunhofer Institute for Manufacturing Engineering and Automation IPA, Germany

Title: Acute toxicity test of dichromate potassium (K₂Cr₂O₇) in grey mullet (Mugil cephalus)
Abdolreza Jahanbakhshi, Gorgan University of Agricultural Sciences and Natural Resource, Iran

Title: Biological effects of nanoparticles on fish
Zeinab H Arabeyyat, University of Hull, UK

Title: Anti-inflammatory effect and Pharmacology analysis of oral delivery quercetin nanosized emulsion in rats
Gabriela Hädrich, Universidade Federal do Rio Grande, Brazil

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Video Presentation

Title: Molecular nanoprobes and nanosensors: A new generation of biosensing nanoplatforms for toxicological and biomedical monitoring
Tuan Vo Dinh, Duke University, USA
Scientific Program

World Congress on Pharmacology
July 20-22, 2015  Brisbane, Australia
## Keynote Forum

### Introduction

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Grzegorz Sawicki</td>
<td>University of Saskatchewan, Canada</td>
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<td>CE Jansen van Rensburg</td>
<td>University of Pretoria, South Africa</td>
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### Networking & Refreshments Break

<table>
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<tr>
<td>Sadashiva Karnik</td>
<td>Cleveland Clinic, USA</td>
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<td>Vladimir S Naumenko</td>
<td>Institute of Cytology and Genetics, Russia</td>
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### Session Introduction

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<tr>
<td>Computational tools for fitting the hill equation to dose - response curves</td>
<td>Sudhindra R Gadagkar, Midwestern University, USA</td>
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<td>Neurotransmitter sensing by high temporal and spatial resolution</td>
<td>Ahmet Hacimuftuoglu, Ataturk University, Turkey</td>
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<td>Treatment with nerve graft and acidic fibroblast growth factor enhance neuron survival and functional recovery in cervical root injury</td>
<td>Ming-Chao Huang, Taipei Veterans General Hospital, Taiwan</td>
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<td>Benzaldehyde suppresses murine allergic asthma and rhinitis</td>
<td>Young Hyo Kim, Inha University College of Medicine, Republic of South Korea</td>
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<td>Cardiovascular protective effects of Casearia sylvestris Swartz in swiss and C57BL/6 LDLr-null mice undergoing high fat diet</td>
<td>Arquimedes Gasparotto Junior, Universidade Federal da Grande Dourados, Brazil</td>
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### Lunch Break

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<tr>
<td>Ali Parlar</td>
<td>Adiyaman Universitesi, Turkey</td>
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### Session Chair: Grzegorz Sawicki, University of Saskatchewan, Canada

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<td>Effect of GDNF on depressive-like behavior, spatial learning and key genes of the brain dopamine system in genetically predisposed to behavioral disorders mouse strains</td>
<td>Vladimir S Naumenko, Institute of Cytology and Genetics, Russia</td>
</tr>
<tr>
<td>Simultaneous subthreshold inhibition of MMP, MLCK and NOS activities protects cardiomyocytes from contractile dysfunction induced by hypoxia-reoxygenation</td>
<td>Grzegorz Sawicki, University of Saskatchewan, Canada</td>
</tr>
</tbody>
</table>
Title: The exogenous administration of CB2 specific agonist, GW405833, inhibits the inflammatory response by reducing cytokine production and oxidative stress
Ali Parlar, Adiyaman Universitesi, Turkey

Title: Metformin interaction with popular Indian herbal remedies, Boswellia serrata (Sallaki) and Withania somnifera (Ashwagandha) – PK/PD approach with insulin resistant rodent model
Rekha R Shenoy, Manipal University, India

Title: Anti-inflammatory effects of cannabinoid 2 receptor agonist, GW405833, in a model of carrageenan-induced acute inflammation of the rat paw
Seyfullah Oktay Arslan, Yildirim Beyazit Universitesi, Turkey

Networking & Refreshments Break

Title: Synthesis and in vitro anticancer studies of novel coumarin substituted thiazolidin-4-ones
Alex Joseph, Manipal University, India

Title: The effects of concomitant ginkgo intake on noise induced Hippocampus injury: Possible auditory clinical correlate
Alaa Abousetta, Suez Canal University, Egypt

Title: Nanoparticulate novel sunscreen creams: Development and evaluation
Srinivas Mutalik, Manipal University, India

Title: Assessment of lipid lowering effect of shilajit in adult male rats
Ashok Shenoy K, Manipal University, India

Panel Discussion

Day 2 July 21, 2015
Quay 1 Level-I

Track 4: Pharmacogenetics and Pharmacogenomics
Track 6: Pharmacology
Track 12: Latest Trends in Pharmacological Drug Developments
Track 13: Pharmacological Drug Discovery

Session Chair: Vladimir S Naumenko, Institute of Cytology and Genetics, Russia
Session Co-chair: Ramadan Al-Shdefat, Prince Sattam Bin Abdulaziz University, KSA

Session Introduction

Title: A toxicogenomic study of Carboplatin in Saccharomyces cerevisiae: The involvement of HuR and cullins in response to this antitumor drug
Gisele Monteiro de Souza, University de Sao Paulo, Brazil

Title: Plant biopolymers from Boraginaceae family species and their synthetic derivatives: Prospective pharmacological agents
K Mulkijanyan, Tbilisi State Medical University, USA

Title: Potent - glucosidase, - amylase, and - glucosidase inhibitor activity of ethanol extract, 3-hydroxystigmastan-5(6)-en (terpenoid), and pyrrole-2,4-dicarboxylic acid - methyl ester from Salacca edulis Reinw variety Bongkok for antidiabetic agent
Leni Herliani Afrianti, Universitas Pasundan, Indonesia

Title: Assessment of apoptosis inducing potential and antitumor activity of the active fraction of Bulbophyllum sterile leaves
Sreedhara Ranganath Pai, Manipal University, India

Networking & Refreshments Break

Title: A preclinical profiling of a promising drug candidate for rheumatoid arthritis
Gopalan Kutty Nampurath, Manipal University, India

Title: Pharmacogenetics research in different disease models: Our experience in Brazilian population
Adalberto Rezende Santos, Oswaldo Cruz Institute, Brazil

Title: Formulation and In vitro-In vivo evaluation of Risperidone liposomes for brain targeting
Usha Y Nayak, Manipal University, India

Title: Systemic and spinal administration of FAAH, MAGL inhibitors and dual FAAH/MAGL inhibitors produce antipruritic effect in mice
Ozgur Yesilyurt, Mevki Military Hospital, Turkey

Title: Hepatoprotective and pharmacokinetic studies of Silymarin liposomes in alcohol and D-galactosamine induced toxic models
C Mallikarjuna Rao, Manipal University, India

Lunch Break
Title: Prenatal xenobiotic exposure and intrauterine hypothalamus-pituitary-adrenal axis programming alteration
Xu Dan, Wuhan University, China

Title: Pharmaceuticals, and other chemicals, effects in non-target aquatic species
Marta Ferreira, University of South Pacific, Fiji Islands; CIIMAR - Centre for Marine Environmental Research, Portugal

Title: Distribution and biliary excretion of tetrodotoxin in the marine pufferfish Takifugu rubripes juvenile after an intramuscular administration
Takuya Matsumoto, Prefectural University of Hiroshima, Japan

Title: The central role of 5-HT7 receptors in the mechanism of clinically important analgesic drugs, endogenous pain inhibiton and visceral pain modulation
Ahmet Dogrul, Gulhane Academy of Medicine, Turkey

Title: Pharmacometrics in the translational pharmacology paradigm
Sujit Nair, Amrita Vishwa Vidyapeetham University, India

Workshop on New drug development in Type-2 Diabetes Mellitus: Current and future trends – An overview
Vivek Lal, King Faisal University, KSA

Networking & Refreshments Break

Poster Presentations

PC-01 Title: Bioequivalence of fixed-dose Repaglinide/Metformin combination tablet and equivalent doses of Repaglinide and Metformin tablet: A randomized, single-dose, two-Period, two-sequence crossover study in healthy Korean male volunteers
Yong-Bok Lee, Chonnam National University, Republic of South Korea

PC-02 Title: Antimicrobial activities of Cantareus (Helix) aspersa mucus
Nantawan Soonklang, Thammasat University, Thailand

PC-03 Title: Detection of hepatotoxic pyrrolizidine alkaloids in Emilia sonchifolia using liquid chromatography-electrospray ionization mass spectrometry
Ya-Chen Yang, Asia University, Taiwan

PC-04 Title: Pharmacists perception, attitude and practice toward the management of gastroesophageal reflex disease (GERD) in Khartoum city Sudan
Alwaleed Mohammed Ahmed, Sudan

PC-05 Title: In-vitro synergistic activity of Lysostaphin combined with Linezolid against Methicillin resistant staphylococcus aureus
Indira Bairy, Manipal University, India

PC-06 Title: Simultaneous quantification of the 3 - perfluorinated compounds in rat plasma and tissues and its application to pharmacokinetics and tissue distribution
Hea-Young Cho, CHA University, Republic of South Korea

PC-07 Title: Toxicity of nicotine replacement in patient with coronary artery disease
Mohammed Abdelhafiez Mohammed Alhassan, University of Khartoum, Sudan

PC-08 Title: MicroRNA profiling in women with threaten preterm labor
Immaculate, University of Malaya, Malaysia

PC-09 Title: Antitumor activity of lyophilized liposomal formulation OR-2011 on an experimental tumor model of Lewis lung carcinoma
Basel Albasseet, I.M. Sechenov First Moscow State Medical University, Moscow

PC-10 Title: fNIRS-based neuropharmacological assessment of Methylphenidate and Atomoxetine on inhibition and attention network in pediatric attention deficit/hyperactivity disorder+B55
Masako Nagashima, Jichi Medical University, Japan

PC-11 Title: Influence of long term treatment of Zincovit oral drops on lipid profile in healthy wistar rats
Laxminarayana Bairy Kurady, Manipal University, India
### Session Introduction

**Title:** Constitutive activity in the angiotensin II type 1 receptor: Discovery and applications  
**Hamiyet Unal,** Erciyes University, Turkey

**Title:** New complexes of inhaled furosemide and cyclodextrin: Assessment of the bronchodilator effect  
**Ramadan Ibrahim Al-Shedefat,** Prince Sattam Bin Abdulaziz University, KSA

**Title:** HPTLC method for studies of phytochemicals from in vivo and in vitro developed plants of *Pterocarpus marsupium* (Roxb.)  
**Illa C Patel,** Hemchandracharya North Gujarat University, India

### Networking & Refreshments Break

**Title:** Effect of combination vitamin E and single long-acting progesterone dose on enhancing pregnancy outcomes in the first two parities of young rabbit does  
**Anas A Salem,** Assiut University, Egypt

**Title:** The antimicrobial activity of tea tree oil for decolonization of *Methicillin- resistant staphylococcus aureus* (MRSA)  
**Rainbow L P Lee,** The Hong Kong Polytechnic University, China

### Young Researchers Forum

**Title:** Protective effect of a sulfated polysaccharide isolated from the green seaweed *caulerpa racemosa* on temporomandibular joint hypernociception in rats  
**Natassia A Ribeiro,** Federal University of Ceara, Brazil

**Title:** The protective effect of tea flavonoids on oxidative damage in peripheral blood-derived endothelial progenitor cells  
**Wahyu Widowati,** Maranatha Christian University, Indonesia

**Title:** Pharmacokinetics of single intravenous bolus of sodium salicylate in sheep  
**Shashwati Ambatkar,** Massey University, New Zealand

**Title:** A comparative approach for preparation and physicochemical characterization of Lecithin liposomes using chloroform and non-halogenated solvents  
**Sumaira Naeem,** University of Malaya, Malaysia

**Title:** Factors associated with medication non adherence among ischemic heart disease patients in Malaysia: Focus on erectile dysfunction as an adverse effect of cardioprotective therapy  
**Ali Y Nori,** Universiti Sains Malaysia, Malaysia

**Title:** Vascular Endothelial Dysfunction and Diabetic Nephropathy: Never Solves a Problem without Creating Dozens More  
**Atul Arya,** Punjab Technical University, India

### Award Ceremony

### Lunch Break
Scientific Program

3rd International Summit on Pharmacology & Applied Pharma-
October 20-22, 2014 DoubleTree by Hilton Hotel Chicago-North Shore, USA

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Email: Pharmacology2014@omicsgroup.us
Keynote Forum

Introduction
Gerhard Eisenbrand
University of Kaiserslautern, Germany
Pavel Vodicka
Institute of Experimental Medicine, Academy of Sciences, Czech Republic
Anne Marie Vinggaard
Technical University of Denmark, Denmark

Keynote Symposium

Title: Pluripotent stem cell models-Application in Pharmacology and beyond
Carter Cliff, Cellular Dynamics International, USA

Group Photo

Coffee Break @ Versailles Foyer

Track 1: Clinical and Forensic Pharmacology
Track 2: Systems Pharmacology
Track 3: Mechanistic and Predictive Pharmacology

Session Chair: Anne Marie Vinggaard, Technical University of Denmark, Denmark
Session Co-Chair: Arunabha Ray, University of Delhi, India

Session Introduction

Title: Decreased nuclear receptor activity mediates down-regulation of drug metabolizing enzymes in chronic kidney disease through epigenetic modulation
Bradley L Urquhart, Western University, Canada
Title: Underlying mechanisms indicative of autoimmunity in silica-exposed workers
Mary L S Queiroz, State University of Campinas, Brasil
Title: Updated and easier confirmation of drowning by detection of diatoms in trachea
Neelam Shrivastava, Medico Legal Institute, India
Title: Clinical and experimental studies on theophylline toxicity: In search for an antidote
Arunabha Ray, University of Delhi, India
Title: Influence of melatonin on arsenic mediated pancreatic damage in Swiss albino mice
Dimple Damore, Bhavan's Sheth R.A. College of Science, India
Title: Recent innovations in Pharmacology of nanomedicines with emphasis on RISUGadv
R K Singh, CSIR- Central Drug Research Institute, India

Panel Discussion

Lunch Break @ Monaco Grand Ballroom

Track 4: Pediatric Pharmacology
Track 5: Pharmacology and Applied Pharmacology

Session Chair: Hemant Misra, Prolong Pharmaceuticals, USA
Session Co-Chair: Sharda Shah Peshin, All India Institute of Medical Sciences, India

Session Introduction

Title: Designing clinical interference studies to address colorimetric assays
Hemant Misra, Prolong Pharmaceuticals, USA
Title: Echocardiography: A non invasive method for investigating preclinical drug toxicity and safety
Gilles Hanton, GH Toxconsulting, Belgium
Title: Electrochemistry meets enzymes: Investigation of the biotransformation pathway of C-1311 based on electrochemical simulation in comparison to in vitro methods
Agnieszka Potęga, Gdańsk University of Technology, Poland
Title: Veterinary pharmacovigilance survey conducted in Tamil Nadu state, India: A status report
Sarathchandra Ghadevaru, Tamil Nadu Veterinary and Animal Sciences University, India

Title: Small change, big difference: The discovery of drug candidate for anti-Schistosomiasis japonicum
De-Qun Sun, Shandong University, P.R. China

Title: Alpha-lipoic acid produces bone-protective effects via modulating Nox4/ROS/NF-κB and Wnt/Lrp5/β-catenin signaling pathways in O2-treated MC3T3-E1 cells and ovariectomy rats
Huijun Sun, Dalian Medical University, China

Coffee Break @ Versailles Foyer

Title: In vivo and in vitro metabolism of aspirin eugenol ester in dog by liquid chromatography tandem mass spectrometry
Jianyong Li, CAAS, P.R. China

Title: Cochlear cell death induced via cisplatin or gentamycin in combination with furosemide in rodents
Li Xia, Shanghai 6th People's Hospital, China

Title: Studies on anti-diabetic properties and determination of harmful constituent in some anti-diabetic herbal preparations available in Bangladesh
Begum Rokeya, BIRDEM, Bangladesh

Title: Pharmacology studies and results for determining safety of a novel therapeutic dual carbon monoxide and oxygen delivery agent
Hemant Misra, Prolong Pharmaceuticals, USA

Title: Effect of combined administration of vitamins C and E on some renal functions indices of rats exposed to nitrocellulose thinner
Friday E Uboh, University of Calabar, Nigeria

Title: Improvement of QT analysis for evaluating the proarrhythmic risk of drug: The importance of spatial and temporal dispersion of repolarisation
Gilles Hanton, GH Toxconsulting, Belgium

Title: Poisoning in children: A poisoning helpline experience
Sharda Shah Peshin, All India Institute of Medical Sciences, India

Title: The paradox of human equivalent dose formula: A canonical case study of piroxicam (feldene) in monogastric animals
Saganuwan Alhaji Saganuwan, University of Agriculture, Nigeria

Panel Discussion

Cocktails Sponsored by Journal of Clinical Pharmacology @ Athens

Day 2 October 21, 2014

Versailles - B

Keynote Symposium

Session Introduction

Title: The Somatic Mutation and Recombination Test (SMART) in Drosophila melanogaster
Heres-Pulido M E, Universidad Nacional Autónoma de México, Mexico

Symposium on “Stress response in living organisms exposed to pollutants”

Title: How plants cope with abiotic stress
Cinzia Forni, University of Rome Tor Vergata, Italy

Title: Stress response in living organism and laboratory animals to pollutants
Hemant Misra, Prolong Pharmaceuticals, USA

Title: Environmental pollution, stress molecules and wildlife health
S S Hundal, Punjab Agricultural University, India

Coffee Break @ Versailles Foyer

Track 6: Application of Stem Cells in Pharmacology
Track 7: Genetic Pharmacology

Session Chair: Pavel Vodicka, Institute of Experimental Medicine, Academy of Sciences, Czech Republic
Session Co-Chair: Soon-Ha Kim, LG Life Sciences, Ltd., Korea

Session Introduction

Title: Mechanism of non-DNA targeted mutagenesis: The role of intra cellular nucleotide pool
Siamak Haghighdoost, Stockholm University, Sweden

Title: Necrotic inflammation: A novel class of necrosis inhibitor NecroX-7 with therapeutic potential for necrosis-related diseases against ischemic reperfusion injury
Soon-Ha Kim, LG Life Sciences, Ltd., Korea

Title: Use of exfoliated buccal and nasal cells for the detection of acute and genotoxic effects caused by occupational and life-style exposures
Georg Wultsch, Medical University of Vienna, Austria

Title: Genotoxicity evaluation of zearalenone with the wing spot test in Drosophila melanogaster
Heres-Pulido M E, Universidad Nacional Autónoma de México, Mexico

Title: Phenyoitin induced toxic epidermal necrolysis
Osama M Al-Quteimat, King Abdullah Medical City, Saudi Arabia

Panel Discussion
Track 8: Risk Assessment of Chemicals in Food
Track 9: Environmental and Occupational Health
Track 10: Industrial and Metallic Pharmacology

Session Chair: Cinzia Forni, University of Rome Tor Vergata, Italy
Session Co-Chair: S S Hundal, Punjab Agricultural University, India

Session Introduction

Title: Pollutants toxicity towards aquatic macrophytes
Cinzia Forni, University of Rome Tor Vergata, Italy
Title: Effect of the pendimethalin on rat uterine weight and gene expression of mRNAs encoding for different estrogen-regulated genes on rat uterus
U Undeger Bucurgut, Hacettepe University, Turkey

Poster Presentations @ Versailles Foyer

Title: A new challenge: Assessment of metal prosthesis intoxication
Frederic J Deschamps, University Hospital of Reims, France
Title: Inhibition of terestrial snails’ glutamate decaboxylase (GAD) by abamectin and emamectin benzoate
Elsayed A M Abdallah, Alexandria University, Egypt
Title: Immunotoxicity of acephate in white leghorn chickens: Effects on lymphocytes and the immune responses in a sub-chronic exposure study
Syamantak Mani Tripathi, Chhattisgarh Kamdhenu Vishwavidyalaya, India

Panel Discussion

Young Researchers Forum

Title: Comparison of the cytotoxic effects of silver sulfide quantum dot coated with 2-mercaptopropionic acid and meso-2,3-dimercaptosuccinic acid in V79 cells
Deniz Ozkan Vardar, Hitit University, Turkey
Title: Assessment of the litter size, birth weight and serum hormonal profile of rats orally exposed to crude oil
Saviour Ufot, University of Calabar, Nigeria
Title: Comparative air quality of petroleum depots and refueling stations atmospheric environments in Nigeria
Uduak O Luke, University of Calabar, Nigeria
Title: Genotoxic effects of exposure to sewage water in conservancy workers as assessed by comet test
Rajlaxmi Basu, Institute of Hematology and Transfusion Medicine, India
Title: Studies on the effects of dietary exposure of Moringa oleifera Lam. leaves on insulin metabolism in rabbits
Chinwe Christy Isitua, Universidad Tecnica de Machala, Ecuador

Coffee Break @ Versailles Foyer

Cocktails Sponsored by Journal of Drug Metabolism & Pharmacology @ Athens

Day 3
October 22, 2014

Versailles - B

Track 11: Emerging In-vitro Models for the Toxicity Studies
Track 12: Developmental and Reproductive Pharmacology
Track 13: Computational Pharmacology

Session Chair: Pierre Eftekhari, Inoviem Scientific, France
Session Co-Chair: Alessandra Mezzelani, National Research Council, Italy

Session Introduction

Title: Cytokine storm potential of siRNA in human PBMCs and DCs
Travis Harrison, SRI International, USA
Title: New methodology for phenotyping P450 polymorphisms and susceptibility to environmental toxicants using humanized budding yeast
Michael Fasullo, State University of New York, USA
Title: Nematic protein organization technology: A powerful tool to track drugs toxicity and side effects already at early preclinical development
Pierre Eftekhari, Inoviem Scientific, France
Title: Sex-specific neurotoxicity as possible cause of regressive autism
Alessandra Mezzelani, National Research Council, Italy
Title: Reproductive toxicity of cytostatic drugs and pharmacological ways to reduce it
T G Borovskaya, The Goldberg Research Institute of Pharmacology, Russia

Coffee Break @ Versailles Foyer

Title: The protective effect of astaxanthin on fetal alcohol spectrum disorder in mice
Ying Peng, Sun Yat-Sen University, China

Title: The effects of veterinary growth stimulants from cattle feedlots in South Africa on reproductive and thyroid parameters in a rat model
Christiaan de Jager, University of Pretoria, South Africa

Title: c-Jun N-terminal kinase is upregulated in the hypospadiac penis of fetal rats induced by maternal exposure to di-(2-ethylhexyl) phthalate
Ming Yong Li, University of South China, China

Neelam Shrivastava, Medico Legal Institute, India

Title: In vitro biocompatibility assessment of dental composite using confocal time lapse imaging
Nina Attik, Lyon University, France

Panel Discussion

Track 14: Nanomaterials
Track 15: Particle and Fibre Pharmacology
Track 16: Venomous Animals and Toxins
Track 17: Countersteps towards Toxicity

Session Chair: Lúcia Helena Faccioli, University of São Paulo, Brazil
Session Co-Chair: Amita Srivastava, All India Institute of Medical Sciences, India

Panel Discussion

Coffee Break @ Versailles Foyer

Award Ceremony