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7<sup>th</sup> Euro-Global Summit on

# **Toxicology and Applied Pharmacology**

October 24-26, 2016 Rome, Italy

## **Scientific Program**



Olimpica 2

conference**series.com** 08:30-08:55

Opening Ceremony

Keynote Forum

- 08:55-09:00 **Introduction**
- 09:00-09:25 **Title: Exposomics and systems medicine, two sides of the same coin**  
Stefano Bonassi, IRCCS San Raffaele Pisana, Italy
- 09:25-09:50 **Title: Toxicology studies and results for determining safety of a novel anti-neutropenic factor—ANF-Rho™**  
Hemant Misra, Prolong Pharmaceuticals, USA
- 09:50-10:15 **Title: The metabolism and pharmacokinetics of steviol glycosides and their impact on the ADI**  
Ashley Roberts, Intertek Scientific & Regulatory Consultancy, Canada
- 10:15-10:40 **Title: Environmental exposures, gene polymorphisms and breast cancer risk**  
Eva Cecilie Bonefeld-Jørgensen, Aarhus University, Denmark

Group Photo @ 10:40

Networking and Refreshment Break 10:40-10:55 @ Foyer

Session 1:

Occupational Toxicology | Nano Toxicology

Session Chair: Ashley Roberts, Intertek Scientific & Regulatory Consultancy, Canada

Session Co-chair: Vesna Matovic, University of Belgrade, Serbia

Session Introduction

- 10:55-11:15 **Title: Nanomedicines in the European translational process**  
Susanne Bremer Hoffmann, Joint Research Centre-European Commission, Italy
- 11:15-11:35 **Title: Development of novel targeted therapies for triple negative breast cancer: Targeting EF2-kinase**  
Bulent Ozpolat, University of Texas, USA
- 11:35-11:55 **Title: Change of rodent carcinogenicity testing**  
Gerd Bode, University of Gottingen, Germany
- 11:55-12:15 **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
- 12:15-12:35 **Title: Blood cancers from environmental exposure near an oil refinery**  
James Dahlgren and Patrick Talbott, USA

Lunch Break 12:35-13:20 @ Hotel Restuarants

- 13:20-13:40 **Title: Urine sediment as DNA source in the study of susceptibility biomarkers**  
Pieranna Chiarella, Istituto nazionale Assicurazione Infortuni sul Lavoro, Monte Porzio, Italy
- 13:40-14:00 **Title: Oxidized graphene exhibits toxicity toward single-celled eukaryotes**  
Yazan Akkam, Yarmouk university, Jordan
- 14:00-14:20 **Title: Crime, re-offense and substance abuse of patients with severe mental disorder**  
José Fernando Santos Almeida, Instituto Universitário da Maia, Portugal
- 14:20-14:40 **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

**14:40-15:00** Title: Targeted screening of succinic semialdehyde dehydrogenase deficiency (SSADHD) employing an enzymatic assay for  $\gamma$ -hydroxybutyric acid (GHB) in biofluids

Cédric Wernli, University of Applied Science and Arts, Switzerland

### Session 2:

#### Drug Toxicology | Human & Health Toxicology | Toxicologic Pathology

Session Chair: Yiqun Deng, South China Agricultural University, China

Session Co-chair: Mahmoud M El Mas, Alexandria Univeristy, Egypt

#### Session Introduction

**15:00-15:20** Title: Characterization and regulation of the expression of drug transporters in human skin

Hanan Osman Ponchet, DMPK Research, France

**15:20-15:40** Title: Vancomycin-induced skin eruptions with susceptibility alleles to SJS/TEN

Liping Yang, Beijing Hospital, Dongcheng, P R China

**15:40-16:00** 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 16:00-16:15 @ Foyer

**16:15-16:35** Title: East Indian sandalwood oil (EISO) alleviates inflammatory and proliferative pathologies of psoriasis

Manju Sharma, Vancouver Prostate Centre, Canada

**16:35-16:55** Title: Fall in leukocyte count for monitoring of immunosuppressive and anti-cancer drug therapy

Frieder Keller, University Hospital Ulm-University of Ulm, Germany

**16:55-17:15** Title: Evaluation of the effects of experimental PCB toxication 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 & Toxicology | Food Toxicology

Session Chair: Giovanni Pagano, Federico II Naples University, Italy

Session Co-chair: Qing Xia, National Center of Biomedical Analysis, China

#### Session Introduction

**17:15-17:35** Title: Natural and synthetic cannabinoids: The good, the bad, and the tragic

Anna Radomska Pandya, University of Arkansas for Medical Sciences, USA

**17:35-17:55** Title: Endothelin modulation of the cyclosporine/NSAIDs cardiovascular and renal interactions

Mahmoud M El Mas, Alexandria Univeristy, Egypt

**17:55-18:15** Title: Effect of exposure area on nerve agent absorption through skin *in vitro*

Christopher Dalton, Defence Science and Technology Laboratory, UK

**18:15-18:35** Title: Folic acid and vitamin B<sub>12</sub> as possible panacea against nicotine induced pancreatic  $\beta$ -cell apoptosis and dysfunction

Sandip Mukherjee, Serampore College, India

**18:35-18:55** Title: Guidance on the selection of cohorts for extended one-generation reproduction toxicity study (OECD 443)

Alan Poole, European Centre for Ecotoxicology & Toxicology of Chemicals, Belgium

#### Panel Discussions

## Olimpica 2

## Keynote Forum

- 08:25-08:30 Introduction**
- 08:30-08:55 Title: Modulation of cigarette smoke lung carcinogenesis: The experimental background**  
Silvio De Flora, University of Genoa, Italy
- 08:55-09:20 Title: Mitochondrial biogenesis protects animal cells from T-2 toxin**  
Yiqun Deng, South China Agricultural University, China
- 09:20-09:45 Title: Rare earth elements as novel environmental contaminants: Current knowledge and research priorities**  
Giovanni Pagano, Federico II Naples University, Italy
- 09:45-10:10 Title: Role of altered adult neurogenesis in manganese-induced Parkinsonian disorder**  
Wei Zheng, Purdue University, USA
- 10:10-10:35 Title: The nanotoxicological influence of nanoparticles on vascular function**  
May Azzawi, Manchester Metropolitan University, UK

## Networking and Refreshment Break 10:35-10:50 @ Foyer

- 10:50-11:15 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
- 11:15-11:40 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 Toxicology | 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

- 11:40-12:00 Title: Potentialities of synchrotron radiation (SR) fourier transform infrared microscopy (FTIRM) for environmental toxicology and pharmacology**  
Lisa Vaccari, Elettra Sincrotrone Trieste, Italy
- 12:00-12:20 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 12:20-13:05 @ Hotel Restaurants

- 13:05-13:25 Title: Nickel related Staphylococcus aureus infections in atopic dermatitis**  
Anna Magdalena Bogdali, Jagiellonian University Medical College in Krakow, Poland
- 13:25-13:45 Title: Coal-burning type of endemic fluorosis in China – From basic research to clinic prevention**  
Zhi-Zhong Guan, Guizhou Medical University, P. R. China
- 13:45-14:05 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
- 14:05-14:25 Title: <sup>137</sup>Cs in soil and milk in the region of Zagreb, Croatia**  
Branko Petrinc, Institute for Medical Research and Occupational Health, Croatia
- 14:25-14:45 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 Toxicology of Mixtures

- 14:45-15:15 Title: Co-treatment with PCBs potentiates Cd nephrotoxicity**  
Vesna Matovic, University of Belgrade, Serbia

## Sessions 2:

### Genetic Toxicology | Toxicology Testing | Forensic Toxicology

Session Chair: Stefano Bonassi, IRCCS San Raffaele Pisana, Italy

Session Co-Chair: Wei Zheng, Purdue University, USA

#### Session Introduction

15:15-15:35 **Title: Mechanistic study of TEMPO-associated oxidative stress and genotoxicity**

Nan Mei, National Center for Toxicological Research, USA

15:35-15:55 **Title: Pharmacokinetic studies of protein drugs and assessment of their metabolism**

Eric Ezan, Health Technology Program-CEA, France

#### Networking and Refreshment Break 15:55-16:10 @ Foyer

16:10-16:30 **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

16:30-16:50 **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

16:50-17:10 **Title: mRNA and miRNA expression patterns associated to pathways linked to metal mixture health effects**

Rojas E, Universidad Nacional Autonoma de Mexico, Mexico

17:10-17:30 **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: 17:30-18:30

#### 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

Day 2      October 25, 2016

## Olimpica 3

### Break Out Session

### Plenary Session

11:40-12:00 **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

12:00-12:20 **Title: Reactive oxygen species (ROS), oxidative stress and antioxidants: Enzyme mimetic selenium compounds as redox regulators**

Govindasamy Mugesh, Indian Institute of Science, India

12:20-12:40 **Title: Toxicology of polymeric biomaterials: A regulatory approach**

Mohan PV, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India

#### Lunch Break 12:40-13:25 @ 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

13:25-13:45 **Title: Dark purple glutinous rice *Var. Luem Pua* tea prevents DSS-induced colitis in mice**

J Sattayasai, Khon Kaen University, Thailand

- 13:45-14:05** **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
- 14:05-14:25** **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
- 14:25-14:45** **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
- 14:45-15:05** **Title: X-ray fluorescence imaging in toxicology**  
**Yulia Pushkar**, Purdue University, USA
- 15:05-15:25** **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 Ecotoxicology & Toxicology of Chemicals, Belgium

### Session Introduction

- 15:25-15:45** **Title: From the lungs to the brain: The fantastic voyage of nanoparticles targeting beta-amyloid (A $\beta$ )**  
**Giulio Sancini**, University of Milano, Italy
- 15:45-16:05** **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 16:05-16:20 @ Foyer

- 16:20-16:40** **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, UK3
- 16:40-17:00** **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
- 17:00-17:20** **Title: Nutraceuticals for hypertension care: A network based approach**  
**Matteo Micucci**, University of Bologna, Italy
- 17:20-17:40** **Title: Effects of lornoxicam and intravenous ibuprofen on erythrocyte deformability liver and renal blood flow in rats**  
**Ayşegül Küçük**, Kütahya Dumlupınar University, Turkey
- 17:40-18:00** **Title: The effect of proton pump inhibitors on bone mineral density in rats**  
**Layla Ezzat Borham**, Umm Al-Qura University, Saudi Arabia
- 18:00-18:20** **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
- 18:20-18:40** **Title: Carbon monoxide modulates infection-induced proinflammatory cytokine milieu in human placenta**  
**Nazeeh Hanna**, Winthrop University Hospital, USA
- 18:40-19:00** **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 Session 1: 16:00-16:50

- ET01** Title: **Evaluation of oxidative stress, cytotoxic and DNA damaging effects of terbutylazine 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 ( $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ ) on the behavior of the grey mullet (*Mugil cephalus*)**  
**Elnaz Erfanifar**, Offshore Fisheries Research Center Chabahar, Iran
- ET06** Title:  **$\text{K}^+$  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**  
**Heloiza Diniz Nicolella**, University of Franca, 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 Döhring**, 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  $\text{CCl}_4$ -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 glycyrrhetic acid derivatives on picrotoxin-induced epileptiform activity**  
**M Ömer Bostanci**, Hitit 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 2: 17:00-17:50

- ET17** Title: **Estimation of thyroid hormone, i.e. total  $\text{T}_4$  in the toxicity study according to OECD guideline No. 422**  
**Małgorzata Przybyła**, 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<sup>+</sup>K<sup>+</sup>2Cl<sup>-</sup> 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: **Methylglyoxal-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 Matakova, 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: **Enantiospecific 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, Wrocław 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, Wrocław Medical University, Poland
- ET34** 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
- ET35** 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
- ET36** 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



**Olimpica 2****Keynote Forum**

- 08:25-08:30 Introduction**
- 08:30-08:55 Title: Developmental lead exposure of children in China**  
Jingyuan Chen, Fourth Military Medical University, China
- 08:55-09:20 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 Toxicology | Reproductive Toxicology**

**Session Chair:** Eva Cecilie Bonefeld-Jørgensen, Aarhus University, Denmark

**Session Co-Chair:** Jikai Wen, South China Agricultural University, China

**Session Introduction**

- 09:20-09:40 Title: COX2 inhibition decreases ischemic damage to rat retina—function or structure**  
Yoram Oron, Tel Aviv University, Israel
- 09:40-10:00 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
- 10:00-10:20 Title: Tamoxifen and its derivatives bind to and act at cannabinoid receptors CB1 and CB2 with high affinity**  
Anna Radomska Pandya, University of Arkansas for Medical Sciences, USA

**Networking and Refreshment Break 10:20-10:35 @ Foyer**

- 10:35-10:55 Title: Beta-blockers and sperm function**  
Banihani S A, Jordan University of Science and Technology, Jordan
- 10:55-11:15 Title: Individualised clinical toxicology: Physiological intermolecular modulation spectroscopy (PIMS), a technology to foresee drugs efficacy prior to administration**  
Pierre Eftekhari, Inoviem Scientific, France
- 11:15-11:35 Title: The utility of the minipig as an animal model in regulatory toxicology**  
Gerd Bode, University of Gottingen, Germany
- 11:35-11:55 Title: Dioxin-like POPs: Induced aryl hydrocarbon receptor transactivity in the Danish pregnant women**  
Manhai Long, Aarhus University, Denmark
- 11:55-12:15 Title: Genotypic and phenotypic patterns of antimicrobial susceptibility of *Helicobacter pylori* strains among Egyptian patients**  
Marwa Saad Fathi, Ain Shams University, Egypt
- 12:15-12:35 Title: Neuropharmacological and cochleotoxic effects of styrene can worsen the noise impact**  
Pierre Campo, Institut National de Recherche et de Sécurité, France

**Lunch Break 12:35-13:20 @ Hotel Restaurants****Young Researchers Forum**

- 13:20-13:40 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
- 13:40-14:00 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
- 14:00-14:20 Title: Concomitant exposure of bacoside A and bromelain relieves dichlorvos toxicity in mice serum**  
Sonam Agarwal, Banasthali University, India

- 14:20-14:40** **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
- 14:40-15:00** **Title: Flexibility for automated cell based assays**  
Lena Schober, Fraunhofer Institute for Manufacturing Engineering and Automation IPA, Germany
- 15:00-15:20** **Title: Acute toxicity test of dichromate potassium ( $K_2Cr_2O_7$ ) in grey mullet (*Mugil cephalus*)**  
Abdolreza Jahanbakhshi, Gorgan University of Agricultural Sciences and Natural Resource, Iran
- 15:20-15:40** **Title: Biological effects of nanoparticles on fish**  
Zeinab H Arabeyyat, University of Hull, UK
- 15:40-16:00** **Title: Anti-inflammatory effect and toxicology analysis of oral delivery quercetin nanosized emulsion in rats**  
Gabriela Hädrich, Universidade Federal do Rio Grande, Brazil

#### Video Presentation

- 16:00-16:20** **Title: Molecular nanoprobess and nanosensors: A new generation of biosensing nanoplatfforms for toxicological and biomedical monitoring**  
Tuan Vo Dinh, Duke University, USA

Networking and Refreshment Break @ Foyer