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Scientific Program

15th International Pharmaceutical Microbiology and Biotechnology Conference

June 21-23, 2017 London, UK

Theme: "To Magnify the knowledge in the field of Pharmaceutical Microbiology"



For Available Speaker Slots

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Conference Secretariat

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Speaker Presentations

Dioxoisoindolines as potential anticancer agents
José Bribiesca Carlos
Escuela Superior de Medicina, Instituto Politécnico Nacional, México

Dioxo/isoindoline derivatives as novel drugs for neurodegenerative disease: Parkinson's and Alzheimer's disease (in silico, in vitro and in vivo study)
Erik Andrade Jorge
Instituto Politécnico Nacional, México

α,β-unsaturated compounds derived from arylamines as possible new treatment against Leukemia
Sánchez-Labastida Luis Angel
Escuela Superior de Medicina, Instituto Politécnico Nacional,México

Stable Fluorescent Silicon Nanoclusters, Reversible Interaction with Solvents and Applications in Drug Delivery
Hanieh Yazdanfar
University of Leicester, UK

Screening of some commonly used plant extracts for their effects on some gut pathogens and probiotics
Samah O. Noor
University of East Angelia, UK

The end of modern medicine? Can antibiotic resistance breakers save our essential antibiotics?
David Brown
Antibiotic Research, UK

Viral Detection by Nano-amplification Micro Array Technique
Leonardo Madrucciani
Università degli Studi dell'Aquila,London,UK

Development and application of Rapid Microbiology Methods in manufacturing and control of pharmaceuticals
Sandra Saiz Balbastre
Universitat Autonoma de Barcelona, Barcelona, Spain

First Insights into the Discovery of Novel Toxin-Antitoxin Systems from Comparative Genomics of Non-Tuberculous Mycobacteria
Antoni Bennasar-Figueras
University of the Balearic Islands, Spain

A fluorescence-based method for the assessment of PolyHydroxyAlkanoates (PHA) production
Anne Elain
Univ. Bretagne Sud, France

The Actual Strategies to Ingibition of Bacterial Pathogens
Larisa P. Blinkova
I.I. Mechnikov Research Institute of Vaccines and Sera, Moscow. Russia

Development of biotechnological drug candidates on angiogenesis model in Turkey
Berrin Erdag
TUBITAK Marmara Research Center,Turkey

Antibiotic resistance of Enterococcus faecalis isolated from the hearts of broiler chickens
Dagmara Stępień-Pyśniak
Medical University of Lublin, Poland

Activity of novel N-substituted-pyrazoles, dichlorobenzoylthiosemicarbazides, 2,4-thiazolidindiones and 1,2,4-triazole-ciprofloxacin hybrids on Haemophilus parainfluenzae and Haemophilus influenzae planktonic and biofilm-forming cells
Urszula Kosikowska
Medical University of Lublin, Poland

Anti-angiogenic peptides
B Koray Balcioglu
Technical University of Istanbul, Turkey

Testing The Effect of Novel Substances On Glioblastoma Cells
Ahmed Mahmoud Nasr Eldin Hassan Rezk
Università Degli Studi Di Padova,Italy

Mupirocin and Batumin – New Areas of Application of Known Antibiotics
Oleg Reva
National Academy of Science of Ukraine,Ukraine

In depth characterization of the metabolic adaption of Penicillium chrysogenum to complex raw material nutrients and specific sugars
Alexandra Hofer
Institute of Chemical Engineering, Vienna University of Technology, Austria

Poster Slots Available

NOTE: Program Schedule is subject to change with final allotment of the speaker slots

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Glimpses of Microbiology Series Conferences

































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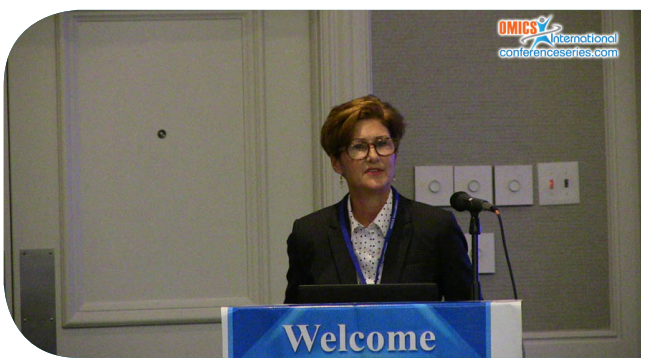

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Toxicology
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About London

London, being the capital city of England and the United Kingdom, it is the most populous region, urban zone and metropolitan area in the United Kingdom. Standing on the River Thames, London has been a major settlement for two millennia, its history going back to its founding by the Romans, who named it Londinium. London is a leading global city, with strengths in the arts, commerce, education, entertainment, fashion, finance, healthcare, media, professional services, research and development, tourism and transport all contributing to its prominence. It is one of the world's leading financial centers and has the fifth-or sixth-largest metropolitan area GDP in the world depending on measurement. London is a world cultural capital. It is the world's most-visited city as measured by international arrivals and has the world's largest city airport system measured by passenger traffic. London's 43 universities form the largest concentration of higher education in Europe. In 2012, London became the first city to host the modern Summer Olympic Games three times.

London has a diverse range of peoples and cultures, and more than 300 languages are spoken within its boundaries. It is a major center of higher education teaching and research and its 43 universities form the largest concentration of higher education in Europe. London contains four World Heritage Sites: the Tower of London; Kew Gardens; the site comprising the Palace of Westminster, Westminster Abbey, and St Margaret's Church; and the historic settlement of Greenwich. Other famous landmarks include Buckingham Palace, the London Eye, Piccadilly Circus, St Paul's Cathedral, Tower Bridge, Trafalgar Square, and The Shard. London is home to numerous museums, galleries, libraries, sporting events and other cultural institutions, including the British Museum, National Gallery, Tate Modern, British Library and 40 West End theatres

CITY ATTRACTIONS



Big-ben-London-parliament



British_Museum



Tower-Bridge



Buckingham Palace



London Dungeon



london-eye



Westminster_Palace



Palace_of_Westminster

Conference Venue
London, UK



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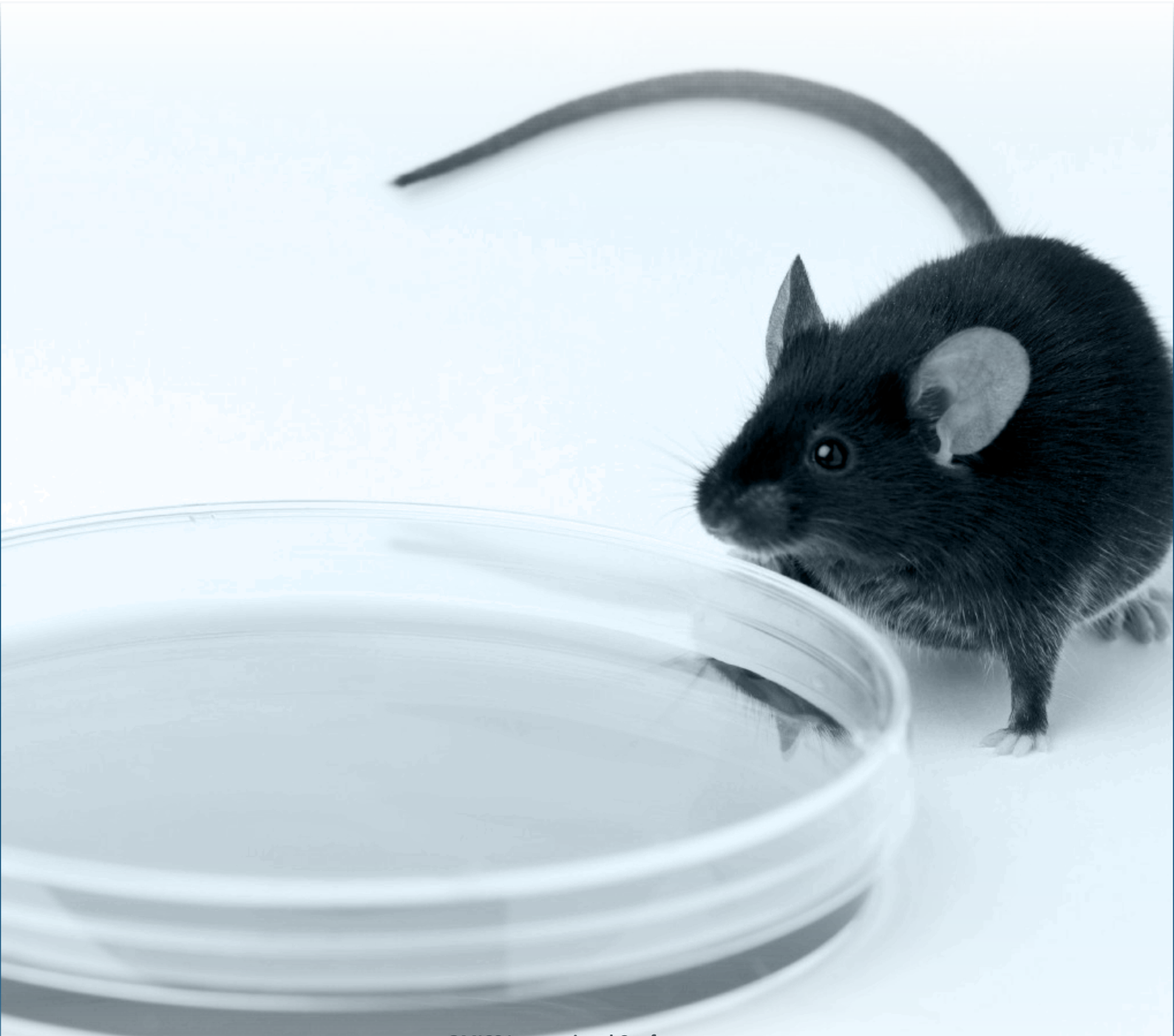
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Scientific Program

4th Global Summit on

Toxicology

August 24-26, 2015 Philadelphia, USA



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Scientific Program

Day 1 **August 24, 2015**

Registrations

Independence-B

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Opening Ceremony

Keynote Forum

Introduction

Diana Anderson
University of Bradford, UK

P Sampath Kumar
Sri Ramachandra Medical College & Research Institute, India

Workshop on Genotoxicity

Organized By Marcelo L Larramendy

Title: Genotoxicity: Basic aspects and most commonly worldwide employed and validated *in vitro* assays
Leon F Stankowski, Genetic Toxicology Association, USA
Title: Genotoxicity: Basic aspects and most commonly worldwide employed and validated *in vivo* assays
Rohan Kulkarni, BioReliance, USA

Networking & Refreshments Break

Title: Genotoxicity in non-traditional animal models
Marcelo L Larramendy, National University of La Plata, Argentina
Title: Genetic toxicity screening assays
Kamala Pant, BioReliance, USA
Title: Genotoxicity and Industry: Utilizing genetic toxicity assays to support pharmaceutical development
Daniel J Roberts, Bristol-Myers Squibb, USA

Panel Discussion

Track 1: Organ System Toxicity

Session Chair: P Sampath Kumar, Sri Ramachandra Medical College & Research Institute, India
Session Co-Chair: Michael B Morgan, Berry College, USA

Session Introduction

Title: The link between oral contraceptive use and prevalence in autism spectrum disorder
Kim Strifert, University of Alabama at Birmingham, USA
Title: Laboratory induced estradiol exposure stimulates transcriptional responses in the sea anemone *Exaiptasia pallida*
Michael B Morgan, Berry College, USA
Title: Identification of CYP3A7 for glyburide metabolism in human fetal livers
Qingcheng Mao, University of Washington, USA

Lunch Break

Title: *Schmidtea mediterranea:* A new animal model for neurodevelopmental toxicology studies?
Mary M Staehle, Rowan University, USA
Title: A case of combined drug intoxication
P Sampath Kumar, Sri Ramachandra Medical College & Research Institute, India
Title: Experimental study of long-term effects of different drugs on female reproduction system and posterity: Pharmacological way to reduce
T G Borovskaya, Tomsk Cancer Research Institute, Russian Federation
Title: Mercury toxicity in fish eyes disclosed by oxidative stress and acetyl cholinesterase profiles: Insights to neurosensory toxicology
Patrícia Pereira, Aveiro University, Portugal
Title: Selenium effect on infertility induced by formaldehyde using male albino mice
Suhera M Aburawi, University of Tripoli, Libya
Title: Renal and hepato-protective effect of Irvingia gabonensis juice on sodium fluoride-induced toxicity in wistar rats
Emejulu A A, Federal University of Technology Owerri, Nigeria

Panel Discussion

Networking & Refreshments Break

Track 2: Applied Toxicology

Session Chair: Qing Huang, Chinese Academy of Sciences, China
Session Co-Chair: Kristen K Comfort, University of Dayton, USA

Session Introduction

Title: Multi-walled carbon nanotube-induced lung inflammation and fibrosis
Jie Dong, National Institute for Occupational Safety and Health, USA
Title: The need for nanomaterial evaluation in a physiologically relevant model: Connecting environmental variables and NM behavior to toxicological responses
Kristen K Comfort, University of Dayton, USA
Title: Physicochemical transformations of ZnO nanoparticles under aging process in aquatic environment and the toxicity to green algae
Qing Huang, Chinese Academy of Sciences, P.R. China
Title: Comparative protective potentials of vitamins C and E against nitrocellulose thinner-induced atherogenicity in male and female albino Wistar rats
Friday EUboh, University of Calabar, Nigeria
Title: Serum and liver tissue hydrocarbons contents of male rats orally exposed to bonny light crude oil
Saviour U Ufot, University of Calabar, Nigeria
Title: Pesticide residues in aquatic organisms: Fish and Frog
K S Tilak, Acharya Nagarjuna University, India

Panel Discussion

Day 2 August 25, 2015

Independence-B

Workshop

Title: Natural antimutagens
Marcela Rizzotto, Rosario National University, Argentina

Track 3: Genetic Toxicology

Session Chair: Marcelo L Larramendy, National University of La Plata, Argentina
Session Co-Chair: Rutao Liu, Shandong University, China

Session Introduction

Title: Determining genetic susceptibility to food carcinogens using *Saccharomyces cerevisiae* (Budding Yeast)
Michael Fasullo, State University of New York Polytechnic Institute, USA
Title: Does antileishmanial glucantime® cause DNA damage by oxidative stress?
Silma Regina Ferreira Pereira, Federal University of Maranhão, Brazil
Title: Toxicogenomic profiles in neurons of male mice following early low exposure to the six indicator non-dioxin-like polychlorinated biphenyls
Arpine Ardzivian Elnar, Universite de Lorraine, France
Title: Chemopreventive action of L-ascorbic acid and green tea infusions on the acute toxicity and mutagenicity of reaction mixtures nitrite-sulfonamide
Marcela Rizzotto, Rosario National University, Argentina

Networking & Refreshments Break

Title: Use of exfoliated buccal and nasal cells for the detection of acute and genotoxic effects caused by occupational and life-style exposures
G Wultsch, Medical University of Vienna, Austria
Title: Mechanisms and modes of lead action on SOD inactivation in zebrafish livers
Rutao Liu, Shandong University, China
Title: Amelioration of sub-chronic acephate induced immunotoxic effects by Achyranthes aspera and Phyllanthus niruri in white leghorn cockerels
Syamantak Mani Tripathi, Chhattisgarh Kamdhenu Vishwavidyalya, India
Title: Studies on some biochemical and genotoxic changes of organophosphorus pesticides in agricultural sprayers of Krishna district, A.P., India
K S Tilak, Acharya Nagarjuna University, India

Lunch Break

Track 4: Toxicity Testing Market & Business Opportunities
Track 5: Environmental Toxicology
Track 6: Regulatory Toxicology

Session Chair: Diana Anderson, University of Bradford, UK
Session Co-Chair: Alenka Franko, University Medical Centre, Slovenia

Session Introduction

Title: The protective effect of the flavonoids on food-mutagen-induced DNA damage in peripheral blood lymphocytes from colon cancer patients
Diana Anderson, University of Bradford, UK
Title: Co-culture of immortalized keratinocytes and immune cells to investigate sulfur mustard toxicity and potential treatments
F Balszuweit, Bundeswehr Institute of Pharmacology and Toxicology, Germany
Title: Relevance of assays using mollusks and perspectives in environmental risk assessment
Lenita de Freitas Tallarico, State University of Campinas, Brazil
Title: The gene-environment interactions and asbestosis
Alenka Franko, University Medical Centre, Slovenia
Title: Autophagy alleviates the memory impairment caused by morphine through inflammation suppression in hippocampi of C57BL/6 mice
Ying Peng, Sun Yat-sen University, China
Title: Silibinin as a potential therapeutic for sulfur mustard injuries
F Balszuweit, Bundeswehr Institute of Pharmacology and Toxicology, Germany
Title: Environmental exposure to BDE47 is associated with the risk of diabetes: a community-based case-control study and an animal experiment
Shou-Lin Wang, Nanjing Medical University, P. R. China
Title: Monosodium glutamate-induced cerebellar toxicity: Possible role of nitric oxide in adult albino rats
Heba Youssef, Port Said University, Egypt
Title: Occurrence, removal and health risk assessment of phthalate esters: A case study of two different wastewater treatment processes in Lagos and Ogun State
Olujimi O O, Federal University of Agriculture, Nigeria

Panel Discussion

Networking & Refreshments Break

Poster Presentations

GST01	**Title: Determination of PAHs in smoked fishes (Caranx senegallus Cuvier and Scomber scombrus) sold in Benin metropolis** **Erhunmwunse Nosakhare Osazee,** University of Benin, Nigeria
GST02	**Title: Exposure of butchers in Nigeria to polycyclic aromatic hydrocarbons (PAHs) from burning tyres** **Francis Okonkwo,** Plateau State University, Nigeria
GST03	**Title: Comparative effect of Costus afer stem juice and ascorbic acid on kerosene induced haematotoxicity in female albino Wistar rats** **Chinelo Ozojie,** University of Calabar, Nigeria
GST04	**Title: Lambda-cyhalothrin-induced reproductive toxicity and histopathological alterations in male mice** **Ali S Al-Sarar,** King Saud University, Saudi Arabia
GST05	**Title: Haematological indices of male rats following oral exposure to a mixture of cypermethrin and dimethoate (uppercott insecticide)** **Ekwere M R,** University of Calabar, Nigeria

Panel Discussion

Day 3 August 26, 2015

Independence-B

Track 7: Applied Pharmacology
Track 8: Biotoxins
Track 9: Pharmacovigilance & Toxicologists Meeting

Session Chair: Shailesh P Banerjee, City University of New York, USA
Session Co-Chair: Marketa Bebarova, Masaryk University, Czech Republic

Session Introduction

Title: Modes of neuropharmacological actions of taurine and its potential therapeutic usage
Shailesh P Banerjee, City University of New York, USA
Title: Alcohol intoxication, arrhythmias and inward rectifiers
Marketa Bebarova, Masaryk University, Czech Republic
Title: Effects of bile acid sequestration on bile acid profile and bile acid signaling in mice
Peizhen Janet Song, QNS Consulting, USA
Title: Can cancer brain metastases be treated using humanized monoclonal antibodies? A pilot pharmacological study
Guilhem Bousquet, University Paris-Diderot, France

Networking & Refreshments Break

Young Researchers Forum

Title: The effects of biomass burningfrom Amazon region in human lung cells
Nilmara de Oliveira Alves, University of São Paulo, Brazil
Title: Epigenetic susceptibility of long interspersed nuclear elements-1 towards arsenic induced DNA damage: A predictive biomarker
Somnath Paul, CSIR-Indian Institute of Chemical Biology, India
Title: Recommendations to enhance reproducibility and reliability in comet assay
Baragamaarachchi R Y , University of Colombo, Sri Lanka
Title: Cytotoxicity of silver sulfide quantum dots evaluated by the MTT cell culture assay in Hela Cells
Deniz Özkan Vardar, Hitit University, Turkey
Title: Health status of sewage workers: A case study
Rajlaxmi Basu, Institute of Hematology and Transfusion Medicine, India
Title: *In vivo* imaging of ICAM-1 targeted nanoparticles in XPC and wild mice exposed to ambient air pollution in São Paulo, Brazil
Nilmara de Oliveira Alves, University of São Paulo, Brazil
Title: Bio-distribution and urinary excretion of Gold nanoparticles (GNPs) following systemic administration: A long term in-vivo study
Farhat Naz, All India Institute of Medical Sciences (AIIMS), India
Title: Cytotoxic and genotoxic potential of Walidda antidysenterica on human lymphocytes- A herb used in Sri Lankan traditional medicine
Baragamaarachchi R Y , University of Colombo, Sri Lanka

Panel Discussion

Lunch Break

Award & Closing Ceremony

Bookmark your dates

5th Global Summit on

Toxicology & Applied Pharmacology

September 19-20, 2016 Las Vegas, USA

Website: toxicology.global-summit.com

Bookmark your dates

Euro-Global Summit on

Toxicology & Applied Pharmacology

October 27-29, 2016 Rome, Italy

Website: toxicology.global-summit.com/europe



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5716 Corsa Ave., Suite 110, Westlake
Los Angeles, CA 91362-7354, USA
Ph: +1-650-268-9744
Fax: +1-650-618-1414
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7th Euro-Global Summit on

Toxicology and Applied Pharmacology

October 24-26, 2016 Rome, Italy

Scientific Program



Registrations

Olimpica 2

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Opening Ceremony

Keynote Forum

Introduction

Title: Exposomics and systems medicine, two sides of the same coin
Stefano Bonassi, IRCCS San Raffaele Pisana, Italy

Title: Toxicology 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
Eva Cecilie Bonefeld-Jørgensen, Aarhus University, Denmark

Group Photo

Networking and Refreshment Break

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

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

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
Title: Targeted screening of succinic semialdehyde dehydrogenase deficiency (SSADHD) employing an enzymatic assay for γ-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

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

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 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

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 Univeristy, 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 β-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 Ecotoxicology & Toxicology 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

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 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

Title: Potentialities of synchrotron radiation (SR) fourier transform infrared microscopy (FTIRM) for environmental toxicology 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

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 Petrinec, 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 Toxicology of Mixtures

Title: Co-treatment with PCBs potenciates 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

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

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

Day 2 October 25, 2016

Olimpica 3

Break Out Session

Plenary Session

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: Toxicology of polymeric biomaterials: A regulatory approach

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

Lunch Break

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 toxicology

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 Ecotoxicology & Toxicology 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

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

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 Dumlupınar 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

Poster Session 1

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 ($CuSO_4.5H_2O$) 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**

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 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 pubenscens 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, 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

ET17 **Title: Estimation of thyroid hormone, i.e. total 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 $Na^+K^+2Cl^-$ 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: 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

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 Toxicology | Reproductive Toxicology

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

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

Session Introduction

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

Title: Beta-blockers and sperm function

Banihani S A, Jordan University of Science and Technology, Jordan

Title: Individualised clinical toxicology: Physiological intermolecular modulation spectroscopy (PIMS), a technology to forsee drugs efficacy prior to administration

Pierre Eftekhari, Inoviem Scientific, France

Title: The utility of the minipig as an animal model in regulatory toxicology

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

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 ($K_2Cr_2O_7$) 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 toxicology analysis of oral delivery quercetin nanosized emulsion in rats

Gabriela Hädrich, Universidade Federal do Rio Grande, Brazil

Video Presentation

Title: Molecular nanoprobes and nanosensors: A new generation of biosensing nanoplatforms for toxicological and biomedical monitoring

Tuan Vo Dinh, Duke University, USA

Networking and Refreshment Break