11th International Congress on
Toxicology and Risk Management
London, UK  October 09-11, 2017

Theme: Canvassing New Innovations with the Depictive Version of Toxicology Study

***For available speaker slots***
globaltoxicology.conferenceseries.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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<td>09.15-09.45 Keynote/Plenary Talk 1</td>
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<td>09.45-10.15 Keynote/Plenary Talk 2</td>
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<td>10.15-10.45 Keynote/Plenary Talk 3</td>
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<td>Panel Discussions/Group Photo</td>
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<td></td>
<td>Coffee/Tea Break 10.45-11.00 (Networking)</td>
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<tr>
<td>11.00-12.40</td>
<td>5 Speakers (20 Mins Each)</td>
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<td>Lunch Break 12.40-13.30</td>
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<td>13.30-15.30</td>
<td>6 Speakers (20 Mins Each)</td>
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<td></td>
<td>Coffee/Tea Break 15.30-15.45 (Networking)</td>
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<td>15.45-17.25</td>
<td>5 Speakers (20 Mins Each)</td>
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### Day 2

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<td>Lunch Break 12.35-13.25</td>
<td>Poster Sessions</td>
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<td>13.25-15.05</td>
<td>5 Speakers (20 Mins Each)</td>
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<td>Coffee/Tea Break 15.05-15.20 (Networking)</td>
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**NOTE:** Program Schedule is subject to change with final allotment of the speaker slots.

For more details PS: [http://globaltoxicology.conferenceseries.com/](http://globaltoxicology.conferenceseries.com/)

[global@toxicologyconferences.org](mailto:global@toxicologyconferences.org) | [global@toxicologyconferences.com](mailto:global@toxicologyconferences.com)
Glimpses of Toxicology Conferences 2016
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City Attractions

- Tower of London
- British Museum
- Kensington Palace
- Big Ben
- Tower of London
- Churchill War Rooms
- London Eye
- Westminster Abbey

http://globaltoxicology.conferenceseries.com/
London is the capital and most occupied city of England and the United Kingdom. Remaining on the River Thames in the south east of the island of Britain, London has been most settlement for two centuries. It was established by the Romans, who named it Londinium. London’s old center, the City of London, predominantly holds its 1.12-square-mile (2.9 km²) medieval limits. London is a principal worldwide city, in expressions of the human experience, trade, instruction, amusement, design, fund, social insurance, media, proficient administrations, innovative work, tourism, and transport. It is one of the world’s driving money related centres and has the fifth-or 6th biggest metropolitan region GDP on the planet. London is a noteworthy worldwide focal point of advanced education instructing and research and its 43 colleges shape the biggest centralization of advanced education foundations in Europe. As per the QS World University Rankings 2015/16, London has the most elevated grouping of top class colleges on the planet and the global understudy populace around 110,000 is likewise more than some other city on the planet. A 2014 PricewaterhouseCoopers report named London as the worldwide capital of advanced education. The ten most-went to attractions in London are, Natural History Museum, Madame Tussauds, National Maritime Museum, Imperial War Museum, Science Museum, Victoria and Albert Museum, Tower of London British Museum Tate Modern.

Climate

October is known as the holiday weather for the tourist members. London has a temperate oceanic climate, similar to all of southern Britain. October is a fairly cool time to visit London, UK, when the autumn season is well underway. Throughout this month, the average temperature is 12°C – that’s 4°C cooler than in September – which slowly changes as the month develops. In October London enjoys an average of five hours of sunshine each day – that’s one hour less than in September.

Venue

London, UK

Important Dates

Abstract submission opens: November 07, 2016
Registration opens: November 10, 2016
Early bird registration: April 16, 2017
On spot registration: October 10, 2017

Contact Details:
GLobal Toxicology 2017
Conference Series Ltd
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e-mail: global@toxicologyconferences.com, global@toxicologyconferences.org

http://globaltoxicology.conferenceseries.com/
Scientific Program

6th Global Summit on
Toxicology & Applied Pharmacology

October 17-19, 2016  Houston, USA
### Keynote Forum

**Title: Enzymatic DNA fragmentation: the mechanism and marker of drug toxicity**  
**Alexei G. Basnakian**, University of Arkansas, USA

**Title: The Decomposition of N-Chloroglycine in Alkaline Aqueous Solution**  
**István Fábián**, University of Debrecen, Hungary

**Title: Measurement of post-replicative DNA metabolism and damage in the rodent brain**  
**Lawrence C Sowers**, University of Texas, USA

### Sessions:

**Toxicology | Food and Chemical Toxicology | Drug Toxicology | Toxicology Current Advances**

**Session Chair: Alexei G. Basnakian**, University of Arkansas for Medical Sciences, USA  
**Session Co-chair: Sakhila K Banu**, Texas A&M University, USA

**Title: Bioinformatics application in identification of cross-reactive allergenic risk of novel food proteins**  
**Ping Song**, Dow Agro Sciences LLC, USA

**Title: Saffron’s ingredient prevents hepatocellular carcinoma**  
**Amr Amin**, UAE University, UAE

**Title: Chromium VI-induced reproductive toxicity: Mechanisms and intervention**  
**Sakhila K Banu**, Texas A&M University, USA

**Title: D-α-tocopheryl polyethylene glycol 1000 succinate (TPGS)-containing vehicles provide no detectable chemoprotection from oxidative damage**  
**Bethany R Baumgart**, Bristol-Myers Squibb, USA

**Title: Towards a deeper understanding of the mechanisms of interaction between acryl amide and key body-fluid thiols**  
**Grace-Anne Bent**, The University of the West Indies, West Indies

**Title: Permanently compromised nitric oxide signaling necessary for neuroendocrine function after early life exposure to PCBs**  
**Margarita C Curras-Collazo**, University of California, USA

**Title: Identification of cell death endonuclease inhibitors as potential anti-toxicity drugs**  
**Alexei G Basnakian**, University of Arkansas for Medical Sciences, USA

### Sessions:

**Human Toxicology | Genetic Toxicology | Environmental Toxicology**

**Session Chair: Lawrence C Sowers**, University of Texas, USA  
**Session Co-chair: Hong Sun**, New York University School of Medicine, USA

**Title: Host-Induced Gene Silencing (HIGS) of aflatoxin synthesis genes in peanut and maize: use of RNA interference and genetic diversity of Aspergillus**  
**Reenee S Arias**, USDA - Agricultural Research Service, USA

**Title: Arsenic induces the highly carcinogenic polyadenylation of canonical histone mRNA by downregulating stem-loop binding protein**  
**Hong Sun**, New York University School of Medicine, USA

**Title: Methemoglobinemia and intravascular hemolysis: Unusual presentations of metal phosphides poisoning**  
**Amira Amin Wahdan**, Tanta University, Egypt
Title: Molecular targets of aluminum toxicity: Cholinergic system, NADPH oxidase and mitochondrial dysfunction  
Natasa Petronijević, University of Belgrade, Serbia

Title: Molecular basis of endothelial dysfunction due to mercury exposure: An interface between Nitric Oxide and Oxidative stress  
Swati Omanwar, Indira Gandhi National Open University, India

Title: Effect of oral exposure to crude oil on the total body weight of male and female albino wistar rats  
Mercy Ekwere, University of Calabar, Nigeria

Coffee Break @ Foyer

Day 2  October 18, 2016  
Hall-Canterbury

Keynote Forum

Title: NeuroInflammation: How to evaluate potential contributions to neurotoxicity  
G Jean Harry, National Institute of Environmental Health Science, USA

Sessions:
Pharmacology and Toxicology | Applied Pharmacology
Session Chair: G Jean Harry, National Institute of Environmental Health Science, USA
Session Co-chair: Gunnar Boysen, University of Arkansas for Medical Science, USA

Title: Therapeutic Applications of Nicotine  
Noreen Khan-Mayberry, NASA Office of Inspector General, USA
Title: The glutathione conundrum: Stoichiometric disconnect between formation and oxidative stress  
Gunnar Boysen, University of Arkansas for Medical Science, USA

Coffee Break @ Foyer

Title: Regulation of liver drug transporter MRP2 by LKB and PTEN  
Bangyan Stiles, University of Southern California, USA
Title: Pharmacogenetics of toxicity to fluoropyrimidines  
Luis A Lopez-Fernandez, Gregorio Marañón Hospital, Spain
Title: Neuroinflammation: Dissecting microglia phenotypes and contributions to injury and repair  
G Jean Harry, National Institute of Environmental Health Science, USA
Title: Novel progress in the mechanism of phosgene-induced acute lung injury  
Chunxu Hai, Fourth Military Medical University, China

Lunch Break @ Churchill

Title: Innovative pharmacological treatment for enhancement of analgesia and prevention of morphine side effects based on a new pharmaceutical composition containing morphine combined with omega-3 fatty acids  
Carlos Horacio Laino, National University of La Rioja, Argentina
Title: Cytotoxicity of calcium rectorite micro/nanoparticles before and after organic modification  
Xue Zhou, Huazhong University of Science and Technology, China
Title: Redox regulation in health and disease: Novel hypothesis  
Xin Wang, Fourth Military Medical University, China

Poster Presentations (15:05 - 16:05)

TAP-001  
Title: Decomposition kinetics of n-chloro-alanines in alkaline aqueous solution  
Mária Szabo, University of Debrecen, Hungary
Title: Protective effects of Blueberry anthocyanin on ox-LDL-induced apoptosis to Human umbilical vein endothelial cells  
Jiyan Leng, Jilin University, China

TAP-002  
Title: High-throughput Comet Assay Tank  
Mahsa Karbaschi, Florida International University, USA
Title: The efficacy of doxycycline, rosuvastatine and spironolactone on cardiotoxic effect of Doxorubicin in female albino rats  
Ansam Jalal Aram Altelchy, Hawler Medical University, Iraq

TAP-003  
Title: Toxicological study of the ethanolic leaf extract of Vernonia cinerea (Linn.) Less (Asteraceae)  
Alec Jacob S Lim, University of Santo Tomas, Philippines
### Young Researchers Forum

**Title:** Clonidine as an adjuvant in the management of acute poisoning by anticholinesterase pesticides  
**Amira Amin Wahdan,** Tanta University, Egypt

**Title:** p-Benzoinique causes alteration of the structure of hemoglobin and loss of its oxygen binding capacity in smoker’s blood  
**Arunava Ghosh,** University College of Science-Kolkata, India

**Title:** Toxicogenomics in dissecting the BPA activity in endoderm derived organs  
**Danila Cuomo,** University of Sannio, Italy

**Title:** New insights in mechanisms involved in drug-induced intra-hepatic cholestasis using HepaRG cells  
**Ahmad Sharanek,** Rennes 1 University, France

**Title:** Novel resveratrol triesters demonstrate activity in diverse biological systems  
**Alicja Urbaniaik,** University of Arkansas for Medical Sciences, USA

**Title:** Detoxification of aflatoxin B1 using dietary molecular species  
**Blake R Rushing,** Brody School of Medicine at East Carolina University, USA

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### Day 3 October 19, 2016

**Hall-Canterbury**

#### Sessions:

**Toxicology Studies | Toxicology Risk Assessment | Toxicity Testing**

**Session Chair:** Carlos Horacio Laino, National University of La Rioja, Argentina  
**Session Co-chair:** Chunyuan Jin, New York University School of Medicine, USA

**Title:** Aberrant regulation of oscillatory behavior in the extracellular signal regulated kinase (ERK) pathway: A toxicologists’ perspective?  
**Thomas Weber,** Pacific Northwest National Laboratory, USA

**Title:** Inhibition of chromatin assembly by major cigarette smoke component acrolein  
**Chunyuan Jin,** New York University School of Medicine, USA

**Title:** Rescue of cells from apoptosis increases DNA repair in UVB exposed cells: Implications for the DNA damage response  
**Mahsa Karbaschi,** Florida International University, USA

**Title:** Innovation in the use of amitriptyline for pain treatment by combination with omega-3 fatty acids  
**Carlos Horacio Laino,** National University of La Rioja, Argentina

**Title:** Sirtuin-6 inhibits epithelial to mesenchymal transition via inactivation TGF-β/smadr signaling in vitro and in vivo  
**Xue Zhou,** Huazhong University of Science and Technology, China

**Title:** A newly modified QuEChERS method for multiresidue analysis of organochlorines and organophosphates in foods consumed in Trinidad and Tobago  
**Grace-Anne Bent,** The University of the West Indies, West Indies

**Title:** Comparative study between the ecotoxicity of two solvents: An ionic liquid vs a solvent from biomass  
**Beatriz Giner,** Universidad San Jorge, Spain

**Title:** Oxidized lipid glycerophosphocholines augment cancer growth and impact cancer therapies in a platelet-activating factor-receptor dependent pathways  
**Ravi P Sahu,** Boonshoft School of Medicine, USA

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### Video Presentations

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**Awards & Closing Ceremony**
Scientific Program
Day 1  October 24, 2016

Registrations

Olimpica 2

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-Rhô™
Hemant Misra, Prolong Pharmaceuticals, USA

Title: The metabolism and pharmacokinetics of stevial 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

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: Environmental exposures, gene polymorphisms and breast cancer risk
Eva Cecilie Bonefeld-Jørgensen, Aarhus University, Denmark

Lunch Break @ Hotel Restuarants

Keynote Forum

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Eva Cecilie Bonefeld-Jørgensen, Aarhus University, Denmark

Lunch Break @ Hotel Restuarants

Session 2:
Drug Toxicology | Human & Health Toxicology | Toxicologic Pathology

Session Introduction

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 Leguey, 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

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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 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 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 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\textsubscript{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

**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
Session 1:
Environmental Toxicology | Risk Assessment | Metal Toxicity
Session Chair: Marcelo L Larrañendy, 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 @ 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: 137Cs 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 @ 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 Larrañendy, 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
Mohanam 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

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

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, 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  @ Cassia

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<td>Evaluation of oxidative stress, cytotoxic and DNA damaging effects of terbuthylazine in human peripheral blood lymphocytes in vitro</td>
<td>Ana Lucić Vrdoljak, Institute for Medical Research and Occupational Health, Croatia</td>
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<td>ET02</td>
<td>Potential toxicity of alkaline earth silicate wools (AESW) for thermal insulation: Evaluation of cyto-genotoxic and inflammatory effects on human lung cells</td>
<td>Cinzia Lucia Ursini, Italian Workers’ Compensation Authority, Monteporzio Catone, Italy</td>
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<td>ET03</td>
<td>Study of the genotoxic effects induced by two kinds of silica nanoparticles on human bronchial (BEAS-2B) epithelial cells</td>
<td>Delia Cavallo, Italian Worker’s Compensation Authority, Monteporzio Catone, Italy</td>
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<td>ET04</td>
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<td>E Halasova, Comenius University in Bratislava, Slovakia</td>
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<td>ET05</td>
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<td>Fatima Laraba-Djebari, University of Science and Technology Houari Boumediene, Algeria</td>
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<td>Heloiza Diniz Nicolella, University of Franco, Brazil</td>
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<td>Porreca Immacolata, Biogem Research Institute, Italy</td>
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<td>ET09</td>
<td>Repair of the mutagenic DNA lesion O6-CMG in human colon epithelial cells</td>
<td>J Döhring, University of Veterinary Medicine Hannover, Germany</td>
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<td>ET10</td>
<td>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</td>
<td>Jee Sun Min, Catholic University of Korea, Bucheon, Republic of Korea</td>
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<td>ET11</td>
<td>Evaluation of the in vitro inhibitory potentials of various dietary supplements against ten UDP-glucuronosyltransferase</td>
<td>Jiseon Kim, Catholic University of Korea, Bucheon, Republic of Korea</td>
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<td>ET12</td>
<td>Assessing potential drug-drug interactions of BST204 with anti-cancer drugs (5-fluorouracil, irinotecan, tamoxifen) using in vivo rat models</td>
<td>Jung Ho Kim, Catholic University of Korea, Bucheon, Republic of Korea</td>
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<td>ET13</td>
<td>Antioxidant properties of Algerian medicinal plant Matricaria pubescens on CCL₄-induced liver toxicity in rats</td>
<td>Kermandji Mohamed Azed, University of Constantine, Algeria</td>
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<tr>
<td>ET14</td>
<td>Antioxidant activity and preventive possibility of Algerian medicinal plant Matricaria pubescens on hepatic toxicity</td>
<td>Khelifi Touhami Fatima, University of Constantine, Algeria</td>
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Title: The effects of glycyrrhetinic acid derivatives on picrotoxin-induced epileptiform activity
M Ömer Bostanci, Hıftı University, Turkey

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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**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

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**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

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**Networking and Refreshment Break @ Foyer**

**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

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**Lunch Break @ Hotel Restaurants**

**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, Algérie

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 @ Foyer
Scientific Program

4th Global Summit on
Toxicology

August 24-26, 2015   Philadelphia, USA
Scientific Program

Day 1  August 24, 2015

Registrations

Independence-B

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 @ Foyer

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 @ Benzamine

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
Patricia 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 hepatoprotective effect of Irvingia gabonensis juice on sodium fluoride-induced toxicity in wistar rats
Emejulu A A, Federal University of Technology Owerri, Nigeria
Panel Discussion

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

Networking & Refreshments Break @ Foyer

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
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 Vishwavidyalaya, 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

Networking & Refreshments Break @ Foyer

Lunch Break @ Benzamine

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
Alienza 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 @ Foyer

Poster Presentations @ Foyer

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

Title: Exposure of butchers in Nigeria to polycyclic aromatic hydrocarbons (PAHs) from burning tyres
Francis Okonkwo, Plateau State University, Nigeria

GST02
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

Title: Lambda-cyhalothrin-induced reproductive toxicity and histopathological alterations in male mice
Ali S Al-Sarar, King Saud University, Saudi Arabia

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

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Ali S Al-Sarar, King Saud University, Saudi Arabia

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 @ Foyer

Young Researchers Forum

Title: The effects of biomass burning from Amazon region in human lung cells
Nilmara de Oliveira Alves, University of Sào 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

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Email: toxicology2014@omicsgroup.us
Keynote Symposium

**Title:** Pluripotent stem cell models-Application in toxicology and beyond

*Carter Cliff,* Cellular Dynamics International, USA

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**Session Chair:** Anne Marie Vinggaard, Technical University of Denmark, Denmark

**Session Co-Chair:** Arunabha Ray, University of Delhi, India

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**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 toxicology of nanomedicines with emphasis on RISUGadv

*R K Singh,* CSIR- Central Drug Research Institute, India

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Panel Discussion

**Track 4: Pediatric Toxicology**

**Track 5: Toxicology and Applied Pharmacology**

**Session Chair:** Hemant Misra, Prolong Pharmaceuticals, USA

**Session Co-Chair:** Sharda Shah Peshin, All India Institute of Medical Sciences, India

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**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 H2O2-treated MC3T3-E1 cells and ovariectomy rats
Huijun Sun, Dalian Medical University, China

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: Toxicology 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

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

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

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

Title: Mechanism of non-DNA targeted mutagenesis: The role of intra cellular nucleotide pool
Siamak Haghdooost, 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 Autonoma de Mexico, Mexico

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

**Track 8: Risk Assessment of Chemicals in Food**

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

**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 Bucurgat, 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 terrestrial snails' glutamate decarboxylase (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

**Coffee Break @ Versailles Foyer**

**Title:** Environmental contaminants and reproductive abnormalities–A perspective  
S S Hundal, Punjab Agricultural University, India  
Title: Surveillance of chloramphenicol residues in milk, eggs and chicken meat by LCMSMS  
Sarathchandra Ghadevaru, Tamil Nadu Veterinary and Animal Sciences University, India  
Title: GC-MS Analysis of leaf powder of Psychotria microphylla and its acute toxicity on Clarias gariepinus juveniles  
Ibiam U A, Ebonyi State University, Nigeria  
Title: Haematological indicators of exposure to petroleum products in petroleum refining and distribution industry workers in Nigeria  
Tobias I Ndubuisi Ezeejofor, Federal University of Technology, Nigeria  
Title: Occupational exposure to lead and risk of high frequencies hearing loss in adults  
Masoumeh Ghiasvand, Iran University of Medical Sciences, Iran

**Panel Discussion**

**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 sexual hormone 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

**Cocktails Sponsored by Journal of Drug Metabolism & Toxicology @ Athens**

Day 3  
October 22, 2014

**Track 11: Emerging In-vitro Models for the Toxicity Studies**

**Track 12: Developmental and Reproductive Toxicology**

**Track 13: Computational Toxicology**

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
<table>
<thead>
<tr>
<th>Title: Reproductive toxicity of cyto-static drugs and pharmacological ways to reduce it</th>
<th>T G Borovskaya, The Goldberg Research Institute of Pharmacology, Russia</th>
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<tbody>
<tr>
<td>Title: The protective effect of astaxanthin on fetal alcohol spectrum disorder in mice</td>
<td>Ying Peng, Sun Yat-Sen University, China</td>
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<tr>
<td>Title: The effects of veterinary growth stimulants from cattle feedlots in South Africa on reproductive and thyroid parameters in a rat model</td>
<td>Christiaan de Jager, University of Pretoria, South Africa</td>
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<tr>
<td>Title: c-Jun N-terminal kinase is upregulated in the hypospadiac penis of fetal rats induced by maternal exposure to di-(2-ethylhexyl) phthalate</td>
<td>Ming Yong Li, University of South China, China</td>
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<td>Title: In vitro biocompatibility assessment of dental composite using confocal time lapse imaging</td>
<td>Nina Attik, Lyon University, France</td>
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<tr>
<td>Title: The effects of veterinary growth stimulants from cattle feedlots in South Africa on reproductive and thyroid parameters in a rat model</td>
<td>Seong Soo A An, Gachon University, Republic of Korea</td>
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<tr>
<td>Title: Cell type- and size-dependent in vitro toxicity of silica particles in human skin cells</td>
<td>Claudia Moia, Cranfield University, UK</td>
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<tr>
<td>Title: Toxicity analysis of PbS nanoparticles using nano-sized vesicles (exosome) excreted from HEK293 cells</td>
<td>Eunjoo Kim, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Republic of Korea</td>
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Panel Discussion

Track 14: Nanomaterials
Track 15: Particle and Fibre Toxicology
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

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Phone: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499
Email: toxicology2013@omicsonline.net
**Introduction**

**Bruce A. Fowler**
ICF International, USA

**John Pierce Wise**
University of Southern Maine, USA

**Wei Zheng**
Purdue University School of Health Sciences, USA

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**Nikolas P. Lemos**
University of California, USA

**Rajat Sethi**
California Health Sciences University, USA

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**Session Chair:** Bruce A. Fowler, ICF International, USA

**Session Co-Chair:** Nikolas P. Lemos, University of California, USA

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**Title:** Application of Omics biomarkers for assessing cellular toxicity: Integration of In vivo and In vitro data

Bruce A. Fowler, ICF International, USA

**Title:** Cannabis in forensic toxicology: Poison or panacea?

Nikolas P. Lemos, University of California, USA

**Title:** Aldehyde Dehydrogenases as novel therapeutic targets for metabolic diseases and cancer stem cells

Vasilis Vasiliou, University of Colorado, USA

**Title:** Computer-aided search will help crime scene investigators to get quick answers for involved tires and cars

Friedrich Lux, Tire Global Information, Austria

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**Coffee Break @ Event Center**

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**Title:** Exploiting toxicity networks as the basis for reliable prediction without animal testing

Erwin L. Roggen, 3Rs Management and Consultancy, Denmark

**Title:** Chromosome instability induced by hexavalent chromium is a result of impaired DNA repair and mitotic disruption

Sandra S. Wise, University of Southern Maine, USA

**Title:** Pubertal assays in toxicology: Focus on reproductive function

Juliana Elaine Perobelli, Universidade do Sagrado Coracao, Brazil

**Title:** In vitro molecular hematopoietic assays as substitute of In vivo tests in regulatory toxicity study of drugs

R. K. Singh, CSIR-CDRI, India

**Title:** Toxicity evaluation using mouse bone marrow mesenchymal stem cells: A predictive model for in vitro studies

P. V. Mohanan, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India

**Title:** Factors affecting reproducibility of proteasomal inhibition following PSI systemic administration to experimental animals

Salma Bukhatwa, Benghazi University, Libya

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**Coffee Break 15:55-16:10 @ Event Center**

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**Title:** Evaluation of the possible protective role of quercetin on letrozole-induced testicular injury in male albino rats

Manar E. Selim, King Saud University, Saudi Arabia

**Title:** Studies on the neurological effects of propionic acid alone and in combination with antioxidants/antibiotics in hamsters

N. J. Siddiqi, King Saud University, Saudi Arabia

**Title:** Ameliorative effect of quercetin and idebenone against oxidative stress, inflammation, DNA damage and apoptosis induced in rat livers after oral exposure to titanium dioxide nanoparticles

Laila M. Padda, King Saud University, Saudi Arabia

**Title:** Effect of betaine supplementation on cisplatin-induced nephrotoxicity in experimental animals: Contribution of nuclear factor kappa and caspase-3

Hanan Hagar, King Saud University, Saudi Arabia

**Title:** Generation and use of genetically modified human cell lines: A promising approach for in vitro toxicology studies

Noritaka Adachi, Yokohama City University, Japan

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**Session to be continued on Day-2**

**Cocktails Sponsored by Journal of Clinical Toxicology @ Event Center**

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**Day 2**

October 08, 2013
Session Chair: Bruce A. Fowler, ICF International, USA
Session Co-Chair: Nikólas P. Lemós, University of California, USA

Title: Resveratrol prevents cypermethrin induced neurotoxicity in rat by increasing acetylcholine esterase activity
Rambir Singh, Bundelkhand University, India

Title: Dose dependent effect of deltamethrin on reproductive system impairment in Wistar rats
Poonam Sharma, Bundelkhand University, India

Title: Role of COX-2 gene in Idiopathic preterm birth with reference to organochlorine pesticides: A case control study
Neha Garg, University of Delhi, India

Session Chair: Gregory J. Feldman, Alliance Biomedical Group International, USA
Session Co-Chair: Deepa A. Rao, Pacific University, USA

Title: Reactive airway dysfunction syndrome after inhalation of the acrylonitrile: Perspective of the pulmonologist
Gregory J. Feldman, Alliance Biomedical Group International, USA

Title: Mitigating Doxubicin induced cardiotoxicity using natural products
Deepa A. Rao, Pacific University, USA

Coffee Break @ Event Center

Title: Simulations of pharmacokinetics and pharmacodynamics in virtual populations to enhance understanding of toxicology in humans
Manoranjeni Chetty, Simcyp Limited, UK

Title: Toxicity of antiepileptic drugs; Toxic epidermal necrolysis in patient with phenytoin
Khalid Alquliti, Taibah University, Saudi Arabia

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

Title: Bilirubin enhances neuronal excitability by increasing glutamatergic transmission in the rat lateral superior olive
Chun-Yan Li, Affiliated Sixth People’s Hospital of Shanghai Jiaotong University, China

Title: Haematotoxico-logical evaluation of dnerimeric nanoformulation of doxorubicin
Pushpendra K. Tripathi, U.P. Technical University, India

Track 6: Medical and Clinical Toxicology
Track 8: Veterinary Toxicology

Session Chair: Rajat Sethi, California Health Sciences University, USA
Session Co-Chair: Feng Li, University of Kansas Medical Center, USA

Title: Cardiac toxicity associated with chronic ozone inhalation may be linked to caveolin mediated p38MAPK signaling
Rajat Sethi, California Health Sciences University, USA

Title: Metabolomics reveals the novel mechanism of drug toxicity
Feng Li, University of Kansas Medical Center, USA

Lunch Break @ Event Center

Title: Poisoning of moose (Alces alces) with natural toxins in Norway
Silvia Uhlig, Norwegian Veterinary Institute, Norway

Title: The use of minipig species in toxicology, added values and model limitations
Sofiene Mhedhbi, France

Title: The relationship between rhabdomyolysis and alcohol ingestion in elderly doxylamine intoxicated patients
Young Gwan Ko, Kyung Hee University, South Korea

Title: Neuropsychological toxicity in stress predicted through a primate model of dietary therapy with novel multimodal sensing systems and algorithms
Mamiko Koshiba, Saitama Medical University, Japan

Title: Developmental model of affective behavior concerning reduction-oxidation regulation in neonatal brain
Shun Nakamura, Tokyo University of Agriculture and Technology, Japan

Coffee Break @ Event Center

15:55-16:40 Poster Presentations @ Event Center

Track 9: Microbiology and Toxicology
Track 10: Entomotoxicology
Track 11: Occupational and Environmental Toxicology

Session Chair: Ajit K. Basak, Birkbeck College, UK
Session Co-Chair: Akhileshwar Nath, Mahavir Cancer Institute and Research Centre, India

Title: Structural relationships between Clostridium perfringens Beta-Pore-forming toxins
Ajit K. Basak, Birkbeck College, UK

Title: The compatibility of Spindor dust with Poecilia reticulata for integrated mosquito larviciding
Joy Anogwih, University of Lagos, Nigeria

Title: Earthworm as bioindicator of soil pollution around Benghazi city, Libya
Maher Haeba, Benghazi University, Libya

Session to be continued on Day-3

Cocktails Sponsored by Journal of Drug Metabolism & Toxicology @ Event Center

Day 3 October 09, 2013

Bora Bora
<table>
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Session Chair: Ajit K. Basak, Birkbeck College, UK
Session Co-Chair: Akhileshwari Nath, Mahavir Cancer Institute and Research Centre, India

### Session Introduction

**Title:** The persisted organic pesticides pollutant (POPs) in the Middle East Arab Countries  
*M. Jamal Hajjar,* King Faisal University, Saudi Arabia

**Title:** Detergent “Prinso” poisoning in Sri Lanka  
*Waruna Gunathilake,* National Hospital of Sri Lanka, Sri Lanka

**Title:** Toxicological & psychiatric profile of patients attempting suicide by consuming organophosphorus compounds brought to a tertiary care center in capital city of India  
*M. S. Bhatia,* University College of Medical Sciences & GTB Hospital, India

**Title:** Toxicity due to arsenic in Gangetic-zone of Patna, India and its linkage with cancer  
*Akhileshwari Nath,* Mahavir Cancer Institute and Research Centre, India

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**Title:** Foundry fumes exposure and chronic obstructive pulmonary disease  
*Frederic Jacques Deschamps,* University Hospital of Reims, France

**Title:** Withdrawal from exposure reverses hematoxotoxicity and hepatotoxicity caused by oral exposure to nitrocellulose thinner in male rats  
*Friday E. Ubah,* University of Calabar, Nigeria

**Title:** Vanadium and antimony compositions in some fertilizers commonly-used in Saudi Arabia  
*Okla S. Al-Horayess,* King AbdulAziz City for Science and Technology, Saudi Arabia

**Title:** Co-relation between pesticidal toxicity and carcinogenic risk in women  
*Priyanka,* Mahavir Cancer Sansthan, India

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**Title:** Physiological and histopathological responses to sublethal concentrations of copper in the teleost fish, *Anabas testudineus* (Bloch -1972)  
*S. Bijoy Nandan,* Cochin University of Science and Technology, India

**Title:** Specific treatments for serious viper envenomation: Is there a place for plasmapheresis?  
*Chani Mohamed,* Military Training Hospital, Morocco

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**Title:** Necrostatin-1 counteracts neuronal cell loss induced by aluminum  
*Qinli Zhang,* Shanxi Medical University, China

**Title:** Manganese induced haematological and histopathological changes in *Oreochromis mossambicus* (Peters, 1852)  
*S. Bijay Nandan,* Cochin University of Science and Technology, India

**Title:** A ten year retrospective study of alleged poisoning deaths in capital of India  
*Aggarwal NK,* UCMS and GTB Hospital, India

**Title:** Tetrahydrocurcumin potentially attenuates arsenic induced oxidative hepatic dysfunction in rats  
*M. Muthumani,* Annamalai University, India

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**Title:** Coffee Break @ Event Center

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**Title:** Award Ceremony