Scientific Program

2nd International Summit on

Toxicology

October 07-09, 2013   Hampton Inn Tropicana, Las Vegas, NV, USA

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Proposals are invited for organizing Symposia/Workshops at OMICS Group Conferences or OMICS Group will sponsor small events at your universities in related areas under the title of your own. These proposals can be sent to respective conference mail ids or to symposia@omicsonline.org

OMICS Group Conferences
5716 Corsa Ave., Suite 110, Westlake Los Angeles, CA 91362-7354, USA
Phone: +1-650-268-9744, Fax: +1-650-618-1414, Toll free: +1-800-216-6499
Email: toxicology2013@omicsonline.net
09:00-09:25 Opening Ceremony

Keynote Forum

09:25-09:30 Introduction
Bruce A. Fowler
ICF International, USA

09:30-09:55 Application of Omics biomarkers for assessing cellular toxicity: Integration of In vivo and In vitro data
Bruce A. Fowler, ICF International, USA

09:55-10:20 Cannabis in forensic toxicology: Poison or panacea?
Nikolas P. Lemos, University of California, USA

10:20-10:45 Aldehyde Dehydrogenases as novel therapeutic targets for metabolic diseases and cancer stem cells
Vasilis Vasiliou, University of Colorado, USA

10:45-11:00 Computer-aided search will help crime scene investigators to get quick answers for involved tires and cars
Friedrich Lux, Tire Global Information, Austria

11:00-11:25 Exploiting toxicity networks as the basis for reliable prediction without animal testing
Erwin L. Roggen, 3Rs Management and Consultancy, Denmark

11:25-11:50 Chromosome instability induced by hexavalent chromium is a result of impaired DNA repair and mitotic disruption
Sandra S. Wise, University of Southern Maine, USA

11:50-12:10 Pubertal assays in toxicology: Focus on reproductive function
Juliana Elaine Perobelli, Universidade do Sagrado Coracao, Brazil

12:10-12:30 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

12:30-12:50 Toxicity evaluation using mouse bone marrow mesenchymal stem cells: A predictive model for in vitro studies
P. V. Mahanan, Sree Chitra Tirunal Institute for Medical Sciences and Technology, India

12:50-13:10 Factors affecting reproducibility of proteasomal inhibition following PSI systemic administration to experimental animals
Salma Bukhatwa, Benghazi University, Libya

Hanan Hagar, King Saud University, Saudi Arabia

Noritaka Adachi, Yokohama City University, Japan

13:55-14:15 In vitro molecular hematopoietic assays as substitute of In vivo tests in regulatory toxicity study of drugs
R. K. Singh, CSIR-CDRI, India

14:15-14:35 Exploiting toxicity networks as the basis for reliable prediction without animal testing
Erwin L. Roggen, 3Rs Management and Consultancy, Denmark

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Sandra S. Wise, University of Southern Maine, USA

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

15:35-15:55 Factors affecting reproducibility of proteasomal inhibition following PSI systemic administration to experimental animals
Salma Bukhatwa, Benghazi University, Libya

18:10-19:10 Cocktails Sponsored by Journal of Clinical Toxicology @ Event Center
Day 2  October 08, 2013

Track 1: Emerging Concepts in Toxicology
Track 2: Forensic Toxicology
Track 7: In-vitro and In-vivo Toxicology

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

Session Introduction

09:00-09:20 Resveratrol prevents cypermethrin induced neurotoxicity in rat by increasing acetylcholine esterase activity
Rambir Singh, Bundelkhand University, India

09:20-09:40 Dose dependent effect of deltamethrin on reproductive system impairment in Wistar rats
Poonam Sharma, Bundelkhand University, India

09:40-10:00 Role of COX-2 gene in Idiopathic preterm birth with reference to organochlorine pesticides: A case control study
Neha Garg, University of Delhi, India

Track 3: Pharmaceutical Toxicology
Track 4: Regulatory Toxicology
Track 5: Analytical Toxicology

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

Session Introduction

10:00-10:20 Reactive airway dysfunction syndrome after inhalation of the acrylonitrile: Perspective of the pulmonologist
Gregory J. Feldman, Alliance Biomedical Group International, USA

10:20-10:40 Mitigating Doxubicin induced cardiotoxicity using natural products
Deepa A. Rao, Pacific University, USA

Coffee Break 10:40-10:55 @ Event Center

10:55-11:15 Simulations of pharmacokinetics and pharmacodynamics in virtual populations to enhance understanding of toxicology in humans
Manoranjeni Chetty, Simcyp Limited, UK

11:15-11:35 Toxicity of antiepileptic drugs; Toxic epidermal necrolysis in patient with phenytoin
Khalid Alquili, Taibah University, Saudi Arabia

11:35-11:55 Cochlear cell death induced via cisplatin or gentamycin in combination with furosemide in rodents
Li Xia, Shanghai Sixth People’s Hospital, China

11:55-12:15 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

12:15-12:35 Haematotoxicological evaluation of denimeric 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

Session Introduction

12:35-12:55 Cardiac toxicity associated with chronic ozone inhalation may be linked to caveolin mediated p38MAPK signaling
Rajat Sethi, California Health Sciences University, USA

12:55-13:15 Metabolomics reveals the novel mechanism of drug toxicity
Feng Li, University of Kansas Medical Center, USA

Lunch Break 13:15-14:00 @ Event Center

14:00-14:20 Poisoning of moose (Alces alces) with natural toxins in Norway
Silvio Uhlig, Norwegian Veterinary Institute, Norway

14:20-14:40 The use of minipig species in toxicology, added values and model limitations
Soane Mhedhbi, France

14:40-15:00 The relationship between rhabdomyolysis and alcohol ingestion in elderly doxylamine intoxicated patients
Young Gwan Ko, Kyung Hee University, South Korea

15:00-15:20 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

15:20-15:40 Developmental model of affective behavior concerning reduction-oxidation regulation in neonatal brain
Shun Nakamura, Tokyo University of Agriculture and Technology, Japan

Coffee Break 15:40-15:55 @ 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: Akhileshwari Nath, Maharir Cancer Institute and Research Centre, India

Session Introduction

16:40-17:00 Structural relationships between Clostridium perfringens Beta-Pore-forming toxins
Ajit K. Basak, Birkbeck College, UK

17:00-17:20 The compatibility of Spindor dust with Poecilia reticulata for integrated mosquito larviciding
Joy Anogwih, University of Lagos, Nigeria

17:20-17:40 Earthworm as bioindicator of soil pollution around Benghazi city, Libya
Maher Haeba, Benghazi University, Libya

Session to be continued on Day-3

18:35-19:35 Cocktails Sponsored by Journal of Drug Metabolism & Toxicology @ Event Center
### Session Introduction

**Day 3**

**October 09, 2013**

**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:** Akhileshwari Nath, Mahavir Cancer Institute and Research Centre, India

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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>09:30-09:50</td>
<td>The persisted organic pesticides pollutant (POPs) in the Middle East Arab Countries</td>
<td>M. Jamal Hajjar</td>
<td>King Faisal University, Saudi Arabia</td>
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<td>09:50-10:10</td>
<td>Detergent “Prinso” poisoning in Sri Lanka</td>
<td>Waruna Gunathilake</td>
<td>National Hospital of Sri Lanka, Sri Lanka</td>
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<td>10:10-10:30</td>
<td>Toxicological &amp; psychiatric profile of patients attempting suicide by consuming organophosphorus compounds brought to a tertiary care center in capital city of India</td>
<td>M. S. Bhatia</td>
<td>University College of Medical Sciences &amp; GTB Hospital, India</td>
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<td>10:30-10:50</td>
<td>Toxicity due to arsenic in Gangetic-zone of Patna, India and its linkage with cancer</td>
<td>Akhileshwari Nath</td>
<td>Mahavir Cancer Institute and Research Centre, India</td>
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**Coffee Break 10:50-11:10 @ Event Center**

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<tbody>
<tr>
<td>11:10-11:30</td>
<td>Foundry fumes exposure and chronic obstructive pulmonary disease</td>
<td>Frederic Jacques Deschamps</td>
<td>University Hospital of Reims, France</td>
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<tr>
<td>11:30-11:50</td>
<td>Withdrawal from exposure reverses hematoxotoxicity and hepatotoxicity caused by oral exposure to nitrocellulose thinner in male rats</td>
<td>Friday E. Uboh</td>
<td>University of Calabar, Nigeria</td>
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<tr>
<td>11:50-12:10</td>
<td>Vanadium and antimony compositions in some fertilizers commonly-used in Saudi Arabia</td>
<td>Okaa S. Al-Horayess</td>
<td>King AbdulAziz City for Science and Technology, Saudi Arabia</td>
</tr>
<tr>
<td>12:10-12:30</td>
<td>Co-relations between pesticidal toxicity and carcinogenic risk in women</td>
<td>Priyanka</td>
<td>Mahavir Cancer Sansthan, India</td>
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**Track 12: Metallic Toxicology**

**Track 13: Countermeasure for Toxins**

**Session Chair:** R. K. Singh, CSIR-CDRI, India

**Session Co-Chair:** Pushpendra K. Tripathi, U.P. Technical University, India

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<td>12:30-12:50</td>
<td>Physiological and histopathological responses to sublethal concentrations of copper in the teleost fish, Anabas testudineus (Bloch -1972)</td>
<td>S. Bijoy Nandan</td>
<td>Cochin University of Science and Technology, India</td>
</tr>
<tr>
<td>12:50-13:10</td>
<td>Specific treatments for serious viper envenomation: Is there a place for plasmapheresis?</td>
<td>Chani Mohamed</td>
<td>Military Training Hospital, Morocco</td>
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**Lunch Break 12:10-13:55 @ Event Center**

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<tr>
<td>13:55-14:15</td>
<td>Necrostatin-1 counteracts neuronal cell loss induced by aluminum</td>
<td>Qinli Zhang</td>
<td>Shanxi Medical University, China</td>
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<tr>
<td>13:55-14:35</td>
<td>Manganese induced haematological and histopathological changes in Oreochromis mossambicus (Peters, 1852)</td>
<td>S. Bijoy Nandan</td>
<td>Cochin University of Science and Technology, India</td>
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<tr>
<td>14:35-14:55</td>
<td>A ten year retrospective study of alleged poisoning deaths in capital of India</td>
<td>Aggarwal NK</td>
<td>UCMS and GTB Hospital, India</td>
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<tr>
<td>14:55-15:15</td>
<td>Tetrahydrocurcumin potentially attenuates arsenic induced oxidative hepatic dysfunction in rats</td>
<td>M.Muthumani</td>
<td>Annamalai University, India</td>
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**Coffee Break 15:15-15:30 @ Event Center**

### Award Ceremony

**3rd International Summit on Toxicology**

October 20-22, 2014  Chicago, USA