

142<sup>nd</sup> OMICS Group Conference

# Scientific Program

2<sup>nd</sup> International Summit on

# Toxicology



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

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08:00-09:00 Registrations

Bora Bora



09:00-09:25

# Opening Ceremony

## Keynote Forum

- 09:25-09:30 Introduction**
- 09:30-09:55 Bruce A. Fowler**  
ICF International, USA
- 09:55-10:20 John Pierce Wise**  
University of Southern Maine, USA
- 10:20-10:45 Wei Zheng**  
Purdue University School of Health Sciences, USA

Coffee Break 10:45-11:00 @ Event Center

- 11:00-11:25 Nikolas P. Lemos**  
University of California, USA
- 11:25-11:50 Rajat Sethi**  
California Health Sciences University, USA

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

- 11:50-12:10 Application of Omics biomarkers for assessing cellular toxicity: Integration of *In vivo* and *In vitro* data**  
Bruce A. Fowler, ICF International, USA
- 12:10-12:30 Cannabis in forensic toxicology: Poison or panacea?**  
Nikólas P. Lemós, University of California, USA
- 12:30-12:50 Aldehyde Dehydrogenases as novel therapeutic targets for metabolic diseases and cancer stem cells**  
Vasilis Vasiliou, University of Colorado, USA
- 12:50-13:10 Computer-aided search will help crime scene investigators to get quick answers for involved tires and cars**  
Friedrich Lux, Tire Global Information, Austria

Group Photo

Lunch Break 13:10-13:55 @ Event Center

- 13:55-14:15 Exploiting toxicity networks as the basis for reliable prediction without animal testing**  
Erwin L. Roggen, 3Rs Management and Consultancy, Denmark
- 14:15-14:35 Chromosome instability induced by hexavalent chromium is a result of impaired DNA repair and mitotic disruption**  
Sandra S. Wise, University of Southern Maine, USA
- 14:35-14:55 Pubertal assays in toxicology: Focus on reproductive function**  
Juliana Elaine Perobelli, Universidade do Sagrado Coracao, Brazil
- 14:55-15:15 *In vitro* molecular hematopoietic assays as substitute of *In vivo* tests in regulatory toxicity study of drugs**  
R. K. Singh, CSIR-CDRI, India
- 15:15-15:35 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
- 15:35-15:55 Factors affecting reproducibility of proteasomal inhibition following PSI systemic administration to experimental animals**  
Salma Bukhatwa, Benghazi University, Libya

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

- 16:10-16:30 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
- 16:30-16:50 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
- 16:50-17:10 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. Fadda, King Saud University, Saudi Arabia
- 17:10-17:30 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
- 17:30-17:50 Generation and use of genetically modified human cell lines: A promising approach for *in vitro* toxicology studies**  
Noritaka Adachi, Yokohama City University, Japan

Session to be continued on Day-2

18:10-19:10 Cocktails Sponsored by Journal of Clinical Toxicology @ Event Center

## 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**

Manoranjenni Chetty, Simcyp Limited, UK

11:15-11:35 **Toxicity of antiepileptic drugs; Toxic epidermal necrolysis in patient with phenytoin**

Khalid Alquliti, 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 denrimeric 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**

Sofiene 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, Mahavir 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**

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

Session Introduction

- 09:30-09:50 **The persisted organic pesticides pollutant (POPs) in the Middle East Arab Countries**  
**M. Jamal Hajjar**, King Faisal University, Saudi Arabia
- 09:50-10:10 **Detergent "Prinso" poisoning in Sri Lanka**  
**Waruna Gunathilake**, National Hospital of Srilanka, Srilanka
- 10:10-10:30 **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
- 10:30-10:50 **Toxicity due to arsenic in Gangetic-zone of Patna, India and its linkage with cancer**  
**Akhileshwari Nath**, Mahavir Cancer Institute and Research Centre, India

Coffee Break 10:50-11:10 @ Event Center

- 11:10-11:30 **Foundy fumes exposure and chronic obstructive pulmonary disease**  
**Frederic Jacques Deschamps**, University Hospital of Reims, France
- 11:30-11:50 **Withdrawal from exposure reverses hematotoxicity and hepatotoxicity caused by oral exposure to nitrocellulose thinner in male rats**  
**Friday E. Uboh**, University of Calabar, Nigeria
- 11:50-12:10 **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
- 12:10-12:30 **Co-relation between pesticidal toxicity and carcinogenic risk in women**  
**Priyanka**, Mahavir Cancer Sansthan, India

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

Session Introduction

- 12:30-12:50 **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
- 12:50-13:10 **Specific treatments for serious viper envenomation: Is there a place for plasmapheresis?**  
**Chani Mohamed**, Military Training Hospital, Morocco

Lunch Break 13:10-13:55 @ Event Center

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

Coffee Break 15:15-15:30 @ Event Center

Award Ceremony

Bookmark your dates

3<sup>rd</sup> International Summit on  
**Toxicology**

October 20-22, 2014 Chicago, USA



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