

Day 1 October 17, 2016

08:00-08:30 Registrations

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Hall-Canterbury

08:30-08:55

Opening Ceremony

Keynote Forum

08:55-09:00 Introduction

09:00-09:30 **Title: Enzymatic DNA fragmentation: the mechanism and marker of drug toxicity**

Alexei G. Basnakian, University of Arkansas, USA

09:30-10:00 **Title: The Decomposition of N-Chloroglycine in Alkaline Aqueous Solution**

István Fábrián, University of Debrecen, Hungary

10:00-10:30 **Title: Measurement of post-replicative DNA metabolism and damage in the rodent brain**

Lawrence C Sowers, University of Texas, USA

Coffee Break 10:30-10:50 @ Foyer

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

Session Introduction

10:50-11:15 **Title: Bioinformatics application in identification of cross-reactive allergenic risk of novel food proteins**

Ping Song, Dow Agro Sciences LLC, USA

11:15-11:40 **Title: Saffron's ingredient prevents hepatocellular carcinoma**

Amr Amin, UAE University, UAE

11:40-12:05 **Title: Chromium VI-induced reproductive toxicity: Mechanisms and intervention**

Sakhila K Banu, Texas A&M University, USA

12:05-12:30 **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

12:30-12:55 **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

Lunch Break 12:55-13:55 @ Churchill

12:05-12:30 **Title: Permanently compromised nitric oxide signaling necessary for neuroendocrine function after early life exposure to PCBs**

Margarita C Curras-Collazo, University of California, USA

12:30-12:55 **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

Session Introduction

14:45-15:10 **Title: Host-Induced Gene Silencing (HIGS) of aflatoxin synthesis genes in peanut and maize: use of RNA interference and genetic diversity of Aspergillus**

Renee S Arias, USDA - Agricultural Research Service, USA

15:10-15:35 **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

15:35-16:00 **Title: Methemoglobinemia and intravascular hemolysis: Unusual presentations of metal phosphides poisoning**

Amira Amin Wahdan, Tanta University, Egypt

16:00-16:25 Title: **Molecular targets of aluminum toxicity: Cholinergic system, NADPH oxidase and mitochondrial dysfunction**

Natasa Petronijević, University of Belgrade, Serbia

Coffee Break 16:25-16:45 @ Foyer

16:45-17:10 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

17:10-17:35 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

Panel Discussion

Day 2 October 18, 2016

Hall-Canterbury

Keynote Forum

09:30-10:00 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

Session Introduction

10:00-10:25 Title: **Therapeutic Applications of Nicotine**

Noreen Khan-Mayberry, NASA Office of Inspector General, USA

10:25-10:50 Title: **The glutathione conundrum: Stoichiometric disconnect between formation and oxidative stress**

Gunnar Boysen, University of Arkansas for Medical Science, USA

Coffee Break 10:50-11:10 @ Foyer

11:10-11:35 Title: **Regulation of liver drug transporter MRP2 by LKB and PTEN**

Bangyan Stiles, University of Southern California, USA

11:35-12:00 Title: **Pharmacogenetics of toxicity to fluoropyrimidines**

Luis A Lopez-Fernandez, Gregorio Marañón Hospital, Spain

12:00-12:25 Title: **Neuroinflammation: Dissecting microglia phenotypes and contributions to injury and repair**

G Jean Harry, National Institute of Environmental Health Science, USA

12:25-12:50 Title: **Novel progress in the mechanism of phosgene-induced acute lung injury**

Chunxu Hai, Fourth Military Medical University, China

Lunch Break 12:50-13:50 @ Churchill

13:50-14:15 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

14:15-14:40 Title: **Cytotoxicity of calcium rectorite micro/nanoparticles before and after organic modification**

Xue Zhou, Huazhong University of Science and Technology, China

14:40-15:05 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

TAP-002 Title: **Protective effects of Blueberry anthocyanin on ox-LDL-induced apoptosis to Human umbilical vein endothelial cells**

Jiyan Leng, Jilin University, China

TAP-003 Title: **High-throughput Comet Assay Tank**

Mahsa Karbaschi, Florida International University, USA

TAP-004 Title: **The efficacy of doxocycline, rousovastatine and spironolactone on cardiotoxic effect of Doxorubicin in female albino rats**

Ansam Jalal Aram Altelchy, Hawler Medical University, Iraq

TAP-005 **Title: Toxicological study of the ethanolic leaf extract of *Vernonia cinerea* (Linn.) Less (Asteraceae)**
Alec Jacob S Lim, University of Santo Tomas, Philippines

TAP-006 **Title: Clonidine as an adjuvant in the management of acute poisoning by anticholinesterase pesticides**
Amira Amin Wahdan, Tanta University, Egypt

Coffee Break 16:05-16:25 @ Foyer

Panel Discussion

Young Researchers Forum

16:25-16:40 **Title: p-Benzoquinone 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

16:40-16:55 **Title: Toxicogenomics in dissecting the BPA activity in endoderm derived organs**

Danila Cuomo, University of Sannio, Italy

16:55-17:10 **Title: New insights in mechanisms involved in drug-induced intra-hepatic cholestasis using HepaRG cells**

Ahmad Sharaneq, Rennes 1 University, France

17:10-17:25 **Title: Novel resveratrol triesters demonstrate activity in diverse biological systems**

Alicja Urbaniak, University of Arkansas for Medical Sciences, USA

17:25-17:40 **Title: Detoxification of aflatoxin B1 using dietary molecular species**

Blake R Rushing, Brody School of Medicine at East Carolina University, USA

Panel Discussion

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

Session Introduction

09:30-09:55 **Title: Aberrant regulation of oscillatory behavior in the extracellular signal regulated kinase (ERK) pathway: A toxicologists' perspective?**

Thomas Weber, Pacific Northwest National Laboratory, USA

09:55-10:20 **Title: Inhibition of chromatin assembly by major cigarette smoke component acrolein**

Chunyuan Jin, New York University School of Medicine, USA

10:20-10:45 **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

Coffee Break 10:45-11:05 @ Foyer

11:05-11:30 **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

11:30-11:55 **Title: Sirtuin-6 inhibits epithelial to mesenchymal transition via inactivation TGF- β /smad signaling *in vitro* and *in vivo***

Xue Zhou, Huazhong University of Science and Technology, China

11:55-12:20 **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

Video Presentations

12:20-12:35 **Title: Comparative study between the ecotoxicity of two solvents: An ionic liquid vs a solvent from biomass**
Beatriz Giner, Universidad San Jorge, Spain

12:35-12:50 **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

Panel Discussion

Lunch Break 13:05-14:05 @ Churchill

Awards & Closing Ceremony