

Timings may change due to last-minute withdrawal by speakers

SUNDAY, 13 JUNE 2021: CONTINUING EDUCATION COURSES (CEC)

CEC 1: Evolving International Methodologies and Tools for Chemical Risk Assessment	
09:00 – 09:10	Welcome Remarks Chair: Richard Brown, Switzerland; Mary Gulumian, South Africa
09:10 – 09:50	Introduction to the Course Mary Gulumian, NIOH, South Africa
09:50 – 10:30	Overview of IPCS Methodologies and their Interrelationships Bette Meek, Uni. of Ottawa, Canada
10:30 – 10:50	<i>Break</i>
10:50 – 11:30	Update on Latest WHO/IPCS Activities on Chemical Risk Assessment Methodologies, Including the Human Health Risk Assessment Toolkit Richard Brown, WHO, Switzerland
11:30 – 12:10	Computational Toxicology in Hazard Characterization and Risk Assessment Bette Meek, Uni. of Ottawa, Canada
12:10 – 12:50	Information Resources & Applications: Databases for Hazard & Predictive Application of “Omics” Data Elaine Faustman, Uni. of Washington, USA
12:50 – 13:10	<i>Question and Answer Session</i>
13:10 – 14:10	<i>Break</i>
14:10 – 17:00	Interactive Exercise

CEC 2: Vaccine Development in the 21 st Century	
09:00 – 09:10	Welcome Remarks Chair: Alan Hoberman, Charles River Laboratories, USA
09:10 – 09:50	Introduction and History of Vaccines Deborah Novicki, DL Novicki Toxicology Consulting LLC
09:50 – 10:30	Non-Clinical Regulatory & Testing Considerations for Vaccine Development in 2021 David Pepperl, Biologics Consulting
10:30 – 10:50	<i>Break</i>
10:50 – 11:30	Case Studies on Regulatory Toxicology for Prophylactic Vaccines for the Developing and Developed World Alex Rodriguez, GSK, Belgium
11:30 – 12:10	Vaccines and Pregnancy: COVID-19 and Special Groups Alan Hoberman, Charles River Laboratories, USA
12:10 – 12:30	<i>Question and Answer Session</i>

Monday, 14 June 2021			
09:00 – 09:10	Welcome Speech & announcement of IUTOX Award and Lifetime Achievement Award winners (IUTOX President)		
09:10 – 09:20	Welcome Speech (MySOT President)		
09:20 – 09:30	Opening Remarks (CTDC 11 Chair)		
Day 1 Subtheme: Challenges and Advances in Chemical Risk Assessment			
09:30 – 09:40	Symposium 1: New Technologies & Mechanistic Data Supporting the Future of Risk Assessment Under Real-life Risk Simulation Approach Chair: Michael Aschner, Albert Einstein Coll. Med., USA	Symposium 2: A User-Friendly Tool to Assess Risks from Combined Exposures to Indoor Air Pollutants in Public Spaces of Children Chair: Irina Zastenskaya, WHO Europe Regional Office	Workshop 1: Challenges and Advances in Pesticides Risk Management (Dietary & Spray Operator Risk Assessments) Chairs: Jeong Han Kim, Seoul National Uni; Budiawan, Uni. Indonesia
09:40 – 10:10	Experimental Studies on Real-Life Risk Simulation Supporting the Shift to New Risk Assessment Approaches Anca Oana Docea, Uni. of Med & Pharm Craiova, Romania	Overview of the Approach to Combined Exposures in the WHO Screening Tool Bette Meek, Uni. of Ottawa, Canada	Update on Pesticides Exposure Risk Assessment for Spray Operators in the Field Condition Jeong Han Kim, Seoul National Uni
10:10 – 10:40	Complementary and Alternative Models in Risk Assessment: What Can We Learn from Worms? Michael Aschner, Albert Einstein Coll. Med., USA	The Supporting Database: An Updated Resource of International Guidance Values Katleen De Brouwere, VITO, Belgium	Value of the Stewardship Practices in Minimizing the Pesticide Exposure to Spray Operators in the Field Condition Yoji Hashino, Syngenta Asia Pacific Pte Ltd
10:40 – 11:00	<i>Break</i>		
11:00 – 11:30	The Application of Big Data and Machine Learning in Risk Assessment Thomas Hartung, CAAT, John Hopkins Sch. Pub. Health, USA	Exposure Assessment to Support the Screening Tool Irina Zastenskaya, WHO Europe Regional Office	Food Safety: Dietary Risk Assessment, An Update on Pesticides Dietary Risk Assessment M. Nazrul Fahmi A. Rahim (Malaysia) & Budiawan (Indonesia)
11:30 – 12:00	WITHDRAWN	Application of the Screening Tool Tamas Szigeti, National Public Health Centre, Hungary	Food safety: Importance of Communication with Key Stakeholders Vasant L. Patil, CropLife, Singapore
12:00 – 12:20	<i>Question and Answer Session</i>		<i>Question and Answer Session</i>
12:20 – 13:40	<i>Break</i>		
13:40 – 13:50	Symposium 3 Recent Development in the Public Health Management of Chemical Incidents Chair: Richard Brown, WHO, Switzerland	Oral Session 1: Ecotoxicology / Environmental Toxicology Chair: Mohd Nazil Salleh, PICOM, Malaysia	Oral Session 2: Risk Assessment Chair: Poh Wen Tsin, NPRA, Malaysia
13:50 – 14:20	The 2020 Update of the WHO Guidelines for Poison Control Martin Wilks, Swiss CAHT, Switzerland	Herbicides and Population Health of Frog, Fejervarya Limnocharis, in Paddy Fields of Northern Thailand (OS2-O03) Luhur Septiadi, Chulalongkorn Uni., Thailand	Occupational Exposure to Pesticides Among Rice Growers in Malaysia (OS7-O01) Wong Hie Ling, Uni. Malaysia Kelantan, Malaysia
14:20 – 14:50	Poisons Centres and Public Health Advice Raquel Duarte-Davidson, Public Health England, UK	Phthalate and Bisphenol a Mixture-Linked Asthma Development: Positive Probiotic Intervention (OS2-O02) Katarina Baralić, Uni. of Belgrade, Serbia	Cellular Uptake and Biological Impacts of Copper Hydroxide Nanopesticides in <i>Drosophila Melanogaster</i> (OS7-O03) Eşref Demir, Antalya Bilim Uni., Turkey
14:50 – 15:20	Emergency Response Preparedness for Chemical Incidents Haidar Rizal Toha, Johor Health Dept., MoH, Malaysia	Microbial Enzymes from Microcystin-Degrading Bacteria for Bioremediation (OS2-O04) Salfarina Ramli, Uni. Technology MARA, Malaysia	Risk Assessment of Aflatoxin in Herbal Medicines and Plant Food Supplements Marketed in Malaysia (OS7-O04) Siti Soleha Abdullah, Uni. Putra Malaysia
15:20 – 15:40	<i>Break</i>		
15:40 – 16:10	International Health Regulations and Core Capacities for Chemical Events Richard Brown, WHO, Switzerland	WITHDRAWN	Total Diet Study on Exposure to Methylmercury in Malaysia (OS7-O05) Laila Rabaah Ahmad Suhaimi, Min. of Health, Malaysia
16:10 – 16:40	Identifying New and Emerging Risks from Chemicals Chris Weis, NIEHS, USA	WITHDRAWN	GIS-Based Interpolation Method to Urinary Metal Concentrations in Malaysia (OS7-O02) Noraishah Mohd Sham, Min. of Health, Malaysia
16:40 – 17:00	<i>Question and Answer Session</i>		<i>Question and Answer Session</i>

Tuesday, 15 June 2021			
09:00 – 09:10	Remarks from ASIATOX President & Introduction to Keynote Speaker		
09:10 – 09:50	Keynote. The Botanical Safety Consortium: A Public-Private Partnership to Enhance the Botanical Safety Toolkit Connie Mitchell, Health & Environmental Sciences Institute, USA		
Day 2 Subtheme: Emerging Issues in Toxicology			
09:50 – 10:00	Symposium 4: Emerging Issues of Herbal Medicine Safety Chairs: Nurşen Başaran, Hacettepe Uni., Turkey; Nan Mei, FDA, USA	Symposium 5: When & How We Can Stop Using Animals in Toxicology Chair: Emanuela Corsini, Uni. of Milan, Italy; Thomas Hartung, CAAT, USA	Workshop 2: Chemical Stewardship: Global Regulations and Beyond Compliance in Meeting Sustainable Performance of Energy Industry Chair: Hazlina Yon, DOSH, Malaysia
10:00 – 10:30	Unpredictable Adverse Effects of Herbal Products Nurşen Başaran, Hacettepe Uni., Turkey	Applicability Domains and Future of Non-animal Tests Nicole Kleinstreuer, NIH, USA	Regulatory Expectations for Sustainable Chemicals Management in Developing Countries Hazlina Yon, DOSH, Malaysia
10:30 – 11:00	Complementary and Alternative Medicines: Malaysia Scenario Seetha Ramasamy, NPRA	WITHDRAWN	Managing Trade Barrier through Application of Globally Harmonized System (GHS) to Petroleum Substances Jessica Ryman-Rasmussen, API
11:00 – 11:20	Break		
11:20 – 11:50	Registration of Herbal Drugs in EMA Heidi Foth, Martin Luther Uni., Germany	The AFSA Collaboration: Implementing Animal-Free Safety Assessment of Cosmetics Globally Catherine Willett, Human Soc International Europe	UNITAR's Perspective on the Emerging Beyond 2020 Framework and What it Means for the GHS and PRTRs Oliver Wootton, UN Inst. Training & Research; Servet Goren, Cefic
11:50 – 12:20	Quantitative Analysis of Toxicity Data of Herbal Products Nan Mei, FDA, USA	The Way Forward: The Experience at CAAT Thomas Hartung, CAAT, US	Managing Environmental Health Risks in the Oil & Gas Industry Nor Rahmah Nor Hashim, PETRONAS
12:20 – 12:50	Herbal Products: Regulation and Safety Testing in Thailand. Rawiwan Maniratanachote, NSTDA, Thailand	Immunotoxicology: A History of a Success Emanuela Corsini, Uni. of Milan, Italy	Question and Answer Session
12:50 – 13:10	Question and Answer Session		
13:10 – 14:10	Break		
14:10 – 14:20	Oral Session 3: Herbal/Natural Product Toxicology Chair: Salfarina Ramli, UiTM	Oral Session 4: Genotoxicity Chair: Mogana Das Murtey, Uni. Sains Malaysia, Malaysia	Oral Session 5: Mechanistic Toxicology Chair: A'edah Abu Bakar, PETRONAS, Malaysia
14:20 – 14:50	Ochratoxin A and Antioxidant Activities of Roasted Coffee Beans in Phnom Penh, Cambodia (OS3-O01) Oeung Sokunvary, Khon Kean Uni., Thailand	Pharmacological Activation of Autophagy Restores Cellular Homeostasis in UVB-Induced Genotoxic Stress Response in Skin (OS6-O02) Sheikh Umar Ahmad, Indian Institute of Integrative Medicine, India	Comprehensive Histone, DNA Methylation and mRNA Expression Analysis of Murine Liver Repeatedly Exposed to Chemicals (OS5-O02) Jun Kanno, NIEHS, Japan
14:50 – 15:20	Antioxidant Activities & Anti-inflammation of Coelonin from <i>Dendrobium scabrilingue</i> (OS3-O05) Hasseri Halim, Uni. Technology MARA, Malaysia	The Presence of Genotoxic and Carcinogenicity Phytochemicals in Medicinal Plants Based on the Malaysian Herbal Monograph (OS3-O02) Nur Azra M Pauzi, Uni. Putra Malaysia, Malaysia	Fibroblast Growth Factor Receptor 4 as a Potential Druggable Target for Triple Negative Breast Cancer (OS5-O03) Koh Yong Qin, National Uni., Singapore, Singapore
15:20 – 15:40	Break		
15:40 – 16:10	Fish Acute Toxicity Testing of <i>Litsea Garciae</i> Methanolic Extract in Adult Zebrafish (OS3-O03) Siti Zaleha Raduan, Int. Islamic Uni., Malaysia, Malaysia	Overview of Genotoxicity Field in Malaysian Environment (OS6-O01) Mogana Das Murtey, Uni. Sains Malaysia, Malaysia	Cerium Oxide Nanoparticles a Potential Therapy for Hepatic Fibrosis Symptoms (OS8-P02) Adrian Boey, National Uni. of Singapore, Singapore
16:10 – 16:40	Toxicity Studies of Supercritical Fluid Extract of Local <i>Ziziphus Mauritiana</i> (Bidara) Fruit (OS3-O04) Arnida Hani Teh, Uni., Kebangsaan Malaysia, Malaysia	WITHDRAWN	Reduction of Arsenic Toxicity Through Nrf2 Activation Mediated by (2)-2-Alkenals in <i>Coriandrum Sativum</i> L. Leaf Extract (OS5-P01) Hanako Aoki, Uni. of Tsukuba, Japan
16:40 – 17:00	Question and Answer Session	Question and Answer Session	Question and Answer Session

Wednesday, 16 June 2021			
08:55 – 09:00	Introduction to Keynote Speaker		
09:00 – 09:40	Keynote: Global Harmonization – Togetherness for the Effective Implementation of the 3Rs of Animal Use within the Toxicity Assessments of Chemicals and Pharmaceuticals Fiona Sewell, NC3Rs, UK		
Day 3 Subtheme: Advances in Toxicity Testing for Product Safety			
09:40 – 09:50	Symposium 6: Advance Topics in Toxicologic Pathology Chair: Maria Lucia Zaidan Dagli, Uni. of Sao Paulo, Brazil	Symposium 7: Recent Advances in Liver Disease: from Non-Alcoholic Fatty Liver Disease (NAFLD) to Fibrosis Chair: José Manautou, Uni. of Connecticut, USA	Symposium 8: 3Rs Alternatives for Regulatory Testing Chair: Masao Fukumura, PETRONAS, Malaysia
09:50 – 10:20	The Essential Use of Rodent Models for Toxicological Endpoints in Cancer Research Maria Lucia Zaidan Dagli, Uni. of Sao Paulo, Brazil	Environmental Chemicals as Risk Modifiers for NAFLD Juliane Beier, Uni. of Pittsburgh, USA	Medical Devices and Non-Animal Methods for Toxicological Risk Assessment Christian Pellevoisin, Episkin, France
10:20 – 10:50	Bridging the <i>In Vitro</i> and <i>In Vivo</i> Histopathological Evaluation for the Pharmacology Safety Assessment John R Foster, ToxPath Sciences Ltd., UK	Impact of Multidrug Resistance Protein 4 (Mrp4) Function on Hepatic Lipid Accumulation José Manautou, Uni. of Connecticut, USA	Integration of the 3Rs Alternatives in the Safety Testing for Nanotechnologies Sasitorn Aueviriyavit, NANOTEC, Thailand
10:50 – 11:10	<i>Break</i>		
11:10 – 11:40	Comparative Pathology of the Toxicity of Drugs and Environmental Chemicals for Human Risk Assessment: Are Rodents Relevant? Jerrold M. Ward, Global VetPathology, USA	Genetic Susceptibility to Non-Alcoholic Fatty Liver Disease: Asian Genome Guruprasad Aithal, Queen's Medical Centre, Nottingham, UK	Applying Zebrafish Embryo Acute Toxicity Test in China: Status and Prospect Zhenlie Huang, Southern Medical Uni, China
11:40 – 12:10	A Toxicologist's View of Modern Safety Assessment Wolfgang Dekant, Uni. of Würzburg, Germany	Inorganic Nanoparticles: Impact on Endothelial Biology Liver Fibrosis Ho Han Kiat, National Uni. of Singapore, Singapore	Current Views on the 3Rs Adaptation for the Skin Sensitization Testing Takao Ashikaga, NIEHS, Japan
12:10 – 12:30	<i>Question and Answer Session</i>	<i>Question and Answer Session</i>	<i>Question and Answer Session</i>
12:30 – 13:30	<i>Break</i>		
13:30 – 13:40	Forum: Women in Toxicology Chair: Razinah Sharif, Uni. Kebangsaan Malaysia	Oral Session 6: Nanotoxicology Chair: Siew Ee Ling, Uni. Kebangsaan Malaysia, Malaysia	Oral Session 7: Occupational, Clinical or Regulatory Toxicology Chair: Ahmad Faizal Abdull Razis, Uni. Putra Malaysia
13:40 – 14:10	A Portfolio Career in Industry and Academia Ruth Roberts, Apconix	Silver Nanoparticles Induced Apoptosis in Hippocampal Neurons via Mitochondrial Dysfunction (OS8-O01) Chang Xiaoru, Southeast Uni., China	Educational Resources for Training in Non-Animal Regulatory Testing Methods in Developing Countries (OS8-O05) Esther Haugabrooks, PCRM, USA
14:10 – 14:40	Exploring <i>In Silico</i> Toxicology from a Malaysian's Perspective: The Journey from Europe to Back Home. Rozaini Abdullah, Uni. Putra Malaysia	Protein Corona Mitigated the Toxicity of Cadmium Telluride Quantum Dots to Macrophages by Targeting Mitochondria (OS8-O02) Na Liu, Southeast Uni., China	Challenges of GHS Implementation Worldwide (OS1-O02) Goh Choo Ta, Uni. Kebangsaan Malaysia, Malaysia
14:40 – 15:00	<i>Break</i>		
15:00 – 15:30	Traditional Herbal Poisoning in Vietnam Uyen Vy Doan, Cho Ray Hospital, Vietnam / National Yang-Ming Uni., Taiwan	Toxicity of Curcumin Nanoparticles in Alveolar Macrophage: Effects of Surface Charges (OS8-O03) Lee Wing Hin, Uni. Kuala Lumpur, Malaysia	Microplastic Exposure, Possible Health Impact and Policy Measures (OS1-O03) Ahmad Faizal Abdull Razis, Uni. Putra Malaysia, Malaysia
15:30 – 16:00	Misuse of Prescription Drugs in Singapore: An Insight from Public Health Specialist Chan Wui Ling, Singapore SOT	Macrophage Polarization and Inflammation Induced by Silver Nanoparticles via Autophagy in BV2 Cells (OS8-O04) Mengting Shang, Southeast Uni., China	Safety Pharmacology Test of Plant-Based COVID-19 Vaccine in Non-Human Primates (OS1-O01) Suchinda Malaivijitnond, Chulalongkorn Uni., Thailand
16:00 – 16:20	<i>Question and Answer Session</i>	<i>Question and Answer Session</i>	<i>Question and Answer Session</i>
16:20 – 16:30	<i>Closing Speech & Announcement of the venue of CTDC12 (MySOT President)</i>		
16:30 – 16:40	<i>CTDC12 Host Presentation</i>		