

SCIENTIFIC PROGRAM

Continuous Educational Course

19 July	10:00-17:00	CEC-1	Individual susceptibility and biomarkers in occupational toxicology
19 July	10:00-17:00	CEC-2	Regulatory toxicology and risk assessment processes for preventative and therapeutic vaccine development.
19 July	10:00-17:00	CEC-3	In vitro test of teratogenicity: a practical approach
19 July	10:00-17:00	CEC-4	Evaluation of drugs without animals
19 July	10:00-17:00	CEC-6	Online Internet sources of toxicological information: a practical course (palmtop computer with wifi is needed)
19 July	10:00-17:00	CEC-7	Animal and in vitro models for the assessment of sensory and nervous toxicities"

17:30 Opening Ceremony

19 July	18:00	KL01	Opening Deichmann Lecture
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KL01 **Epigenetics: The Last Frontier Beyond Genetics**

Manel Esteller. *Director of the Cancer Epigenetics and Biology Program. Bellvitge Institute for Biomedical Research (IDIBELL). Barcelona. ESP*

19:30. Welcome Reception

20 July, Tuesday

20 July	09:00	KL02	<p>Bo Holmsted Memorial Lecture <i>Herman Autrup and Corrado galli</i></p>
		KL02	<p>Chemical and Protein Allergy: Progress, Opportunities and Challenges Iam Kimber. <i>Faculty of Life Sciences. University of Manchester GBR</i></p>
20 July	10:30	SY01	<p>Toxicosurveillance- Current status and future prospects <i>Nickholas Bateman. University of Edinburgh. GBR</i> <i>Hermann Bolt</i></p>
		SY01-1	<p>Toxicosurveillance Spanish Program Ana Ferrer-Dufol. <i>Unit of Clinical Toxicology. Clinical Hospital. Zaragoza. ESP</i></p>
		SY01-2	<p>Practical approaches to toxicosurveillance in Asia. Andrew Dawson. <i>Faculty of Medicine, University of Peradeniya . Peradeniya.. SRI</i></p>
		SY01-3	<p>Using epidemiological data to study lethal occupational exposures David Coggon. <i>MRC. Epidemiology Resource Centre, University of Southampton.. GBR</i></p>
		SY01-4	<p>Toxicosurveillance using poison center data-streams Salome Ballesteros. <i>Servicio Informacion Toxicológica. Madrid</i></p>
		SY01-5	<p>International collaboration in Toxicosurveillance: a WHO perspective Tim J Meredith. <i>International Programme on Chemical Safety. World Health Organization. Geneva.. CHE</i></p>
20 July	10:30	SY02	<p>Sensory Systems as Toxicity Targets <i>Larry Fechter. Jerry Pettis Memorial Veterans Medical Center., USA</i> <i>Werner Kobel</i></p>
		SY02-1	<p>Can the synergistic effects of a combined exposure to noise and solvents be explained through the pharmacological effects of solvents on the central nervous system? Pierre Campo. <i>Institut National de Recherche et de Sécurité.. FR</i></p>
		SY02-2	<p>Toxicity of Nitriles on the Peripheral Vestibular System: Defining New Families of Compounds with “Classic-Type” of Inner Ear Toxicity. Jordi Llorens. <i>Universitat de Barcelona., ESP</i></p>
		SY02-3	<p>Visual Effects of Exposure to Volatile Organic Solvents in an Animal Model William K. Boyes. <i>US Environmental Protection Agency. USA</i></p>
		SY02-4	<p>Chemosensory Effects of Exposure to Volatile Organic Compounds in Humans Christoph van Thriel. <i>Leibniz Research Centre for Working Environment and Human Factors at the University of Dortmund,, DEU</i></p>
		SY02-5	<p>Chemical exposure as a risk factor for hearing loss: implications for occupational health Ann-Christin Johnson. <i>Karolinska Institute. SWE</i></p>

20 July 10:30 SY03 **Safe Nanotechnologies - A Challenge for the Future**

Kai Savolainen. Finnish Institute of Occupational Health, Helsinki. FIN

- SY03-1 **New Lessons of Safety Challenges of Engineered Nanoparticles - Introduction**
Kai Savolainen. Finnish Institute of Occupational Health, Helsinki. FIN
- SY03-4 **Assessment of Exposure to Nanoparticles in Occupational Setting**
Gerhard Kasper. Institut für Mechanische Verfahrenstechnik und Mechanik. University of Karlsruhe. DEU
- SY03-2 **Causality of Exposure to Engineered Nanoparticles and Their Biological Effects**
Allison Elder. School of Medicine & Dentistry, University of Rochester, Rochester, NY, USA. USA
- SY03-5 **Carbon Nanotubes - Challenges for Assuring Safety of Nanotechnologies**
Ken Donaldson. MRC Centre for Inflammation Research (CIR). University of Edinburgh. GBR
- SY03-3 **Nanotoxicology: Biological effects of manufactured nanoparticles and their health**
Yuliang Zhao. Institute of High Energy Physcs. Chinese Academy of Science Beijing. CHN

20 July 10:30 SY04 **The diet in colon cancer development**

Dieter Schrenk; Pablo Steinberg. Universitat. Kaiserslautern. University of Veterinary Medicine Hannover. DEU

- SY04-1 **In vitro models to study diet-related colon cancer induction and prevention**
Jenifer I. Fenton. Department of Food Science and Human Nutrition, Michigan State University. USA
- SY04-2 **Red and processed meat intake and risk of colorectal adenoma and carcinoma from a molecular epidemiological point of view**
Rashmi Sinha. Division of Cancer Epidemiology and Genetics, National Cancer Institute. USA
- SY04-3 **The role of folate in colon cancer development**
Robert Clarke. Clinical Trial Service Unit, University of Oxford. GBR
- SY04-4 **The role of flat dysplastic aberrant crypt foci induced in the colon by food contaminants**
Jan Alexander. Division of Environmental Medicine, Norwegian Institute of Public Health. NOR
- SY09-5 **The role of inflammation in colon cancer induced by food contaminants**
Pablo Steinberg. Institute for Food Toxicology and Analytical Chemistry University of Veterinary Medicine Hannover. DEU

20 July 13:00 - 16:00 SY04 **LUNCH**
(In Exhibition Area)

20 July 13:00-15:00 P1 **Poster Sessions day 1**
(14:00-16:00) Author present

- P101- HUMAN BIOMONITORING
- P102- EPIDEMIOLOGICAL TOXICOLOGY
- P103- ENVIRONMENTAL HEALTH
- P104- OCCUPATIONAL TOXICOLOGY
- P105- HUMAN CLINICAL TOXICOLOGY
- P106- REGULATORY AND RISK ASSESSMENT
- P107- METABOLISM/ BIOTRANSFORMATION /POLYMORPHISMS
- P108- ECOTOXICOLOGY

20 Jul 14:30 W1 **EU Research Initiatives in Environment and Health**
Dr Tuomo Karjalainen. Scientific Officer. European Commission
Sponsored by the European Commission

- 14:30 W1-1 **Introduction: European Union support for research on environment and health issues**
Tuomo Karjalainen. European Commission, Research Directorate-General
- 14:45 W1-2 **Cancer and the environment: Experience from the EU-funded ENVIROGENOMARKERS, NEWGENERIS and ECNIS projects**
Soterios Kyrtopoulos. National Hellenic Research Foundation, Greece
- 15:00 W1-3 **Exposure to nanomaterials and possible impacts: Experience from the EU-funded NANODEVICE. NANOIMPACTNET and HINAMOX projects**
Kai Savolainen. Finnish Institute of Occupational Health
- 15:15 W1-4 **Mixture toxicity of chemicals: Experience from the EU-funded CREDO and NECTAR clusters of projects**
Andreas Kortenkamp. University of London School of Pharmacy
- 15:30 W1-5 **Access to EU funding, project types, priorities, application process, national funding, availability of information etc...**
Panel discussion of all speakers
- 16:00 W1-6 **Closure**
Tuomo Karjalainen. European Commission, Research Directorate-General

20 July 15:00 W2 **Round Table on “Publication in Toxicology”**

With the collaboration of journal Editors

Chair: **Hermann Bolt** (*IfaDO, Dortmund, DEU*)

Participants:

Allan Boobis (*Food Chem Toxicol*)

Walgang Dekant (*Toxicol Letters*)

Jan G Hengstler (*Arch Toxicol*)

Roger O McClellan (*Crit Rev Toxicol*)

Philip Wexler (*NIH/NLM*)

Issues for discussion: Changes and trends in scientific publications. Development of quality, preferred areas for publication. Publication in toxicology journals versus information of toxicology in databases and in non-toxicology journals. Submission versus reviewing expertise. The pressure to publish. Future of bibliometrics. Changing publication behaviours.

20 July 14:30 W3 **TRISK. Risk Assessor training: ensuring availability of highly qualified professionals (Informativew session)**

Corrado Galli and Takis Daskaleros. *TRISK project.*

20 July 16:30 SY05 **Biomarkers and Molecular Mechanisms in Pesticide Toxicity**

Arturo Anadón. Complutense University, Madrid. SP

SY05-1 **In Vivo Biomarkers of Neurotoxicity Induced by Organophosphates and Carbamates**

Ramesh C. Gupta. Murray State University. USA

SY05-2 **Plasma β -glucuronidase as an alternative biomarker to cholinesterase for organophosphate exposure**

Tetsuo Satoh. Chiba University. JPN

SY05-3 **Application of biomarkers of exposure, effect and susceptibility to subjects long-term exposed to pesticides**

Antonio F. Hernández. University of Granada School of Medicine. Granada. ESP

SY05-4 **Effects of organophosphate exposure on male reproductive outcomes**

B. Quintanilla-Vega. Departamento de Toxicología, CINVESTAV, Zacatenco, Mexico DF. MEX

20 July 16:30 SY06 **Effects of climate change on human health - special focus on contaminants**

Arja Rautio. University of Oulu, FIN

SY06-1 **Climate change, contaminant and Alaska native health**

James E. Berner. Alaska Native Tribal Health Consortium, Anchorage, Alaska. USA

SY06-4 **Climate change, contaminants and human health in Arctic Russia**

Valery P. Chaschin. Mechnikov Medical Academy, Moscow. RUS

SY06-2 **Human health in the context of changing ecosystems and environment**

Arja Rautio. University of Oulu, FIN

SY06-3 **The North - South dimension –are the effects of climate change equal in the South and North?**

Jon Oving Odland. University of Tromsø. NOR

SY06-5 **The environmental health and contaminants in South Africa**

Halina. B. Röllin. South African Medical Research Council (abstract in P308-047)

20 July	16:30	SY07	<p>New Developments in Pulmonary Carcinogenesis <i>Heidi Foth. University of Halle, Germany (President of the German Society of Toxicology (GT). DEU</i></p>
		SY07-1	<p>Deregulated EGFR Signaling during Lung Cancer Progression <i>Adi Gazdar. University of Texas Southwestern Medical Center, Dallas. USA</i></p>
		SY07-2	<p>Pattern of in vitro stress response of lung cells from lung cancer cases <i>Heidi Foth. University of Halle, Germany (President of the German Society of Toxicology (GT). DEU</i></p>
		SY07-3	<p>Transgenic and Smoke-Induced Rodent Lung Cancer Models <i>Hans-Juergen Haussmann. Toxicology Consultant, Roesrath. DEU</i></p>
		SY07-4	<p>Changes of the genome DNA methylation in the progress of benzo[a]pyrene-induced transformation <i>Zhixiong Zhuang. ShenZhen Center for Disease Control and Prevention. CHI (Short communication) (abstract in P203-030)</i></p>
20 July	16:30	Award Lecture	<p>ICTXII Early Toxicologist Award <i>Daniel Acosta, Jr., IUTOX President-Elect</i></p>
		AWL	<p>Venom induced consumption coagulopathy – understanding an important manifestation of snake envenoming. <i>Geoff K. Isbister. University of Newcastle and Department of Clinical Toxicology and Pharmacology, New South Wales, Australia</i></p>
20 July	17:00	SY08	<p>Genetic polymorphism and drug metabolizing enzymes <i>Edmund Maser. Institute of Toxicology and Pharmacology, Univ. Med. School Schleswig-Holstein, Kiel. DEU</i></p>
		SY08-2	<p>Carbonyl Reductases/Steroid Dehydrogenases: Biology, Classification and Implication in Drug Metabolism and Detoxification <i>Edmund Maser. Institute of Toxicology and Pharmacology, Univ. Med. Sch. Schleswig-Holstein, Kiel. DEU</i></p>
		SY08-3	<p>Metabolic activation of PAHs by aldo-keto reductases <i>Trevor M. Penning. Philadelphia,. USA</i></p>
		SY08-4	<p>Epoxide hydrolases: structure, function, mechanism and toxicological implication <i>Michael Arand. Zurich. CHE</i></p>
		SY08-5	<p>Urinary 1-OHP levels in children are modulated by cyp1a1*2c, cyp1b1*3, gstm1*0 and nqo1*2 polymorphisms <i>M. Sánchez-Guerra (CINVESTAV-IPN), México (Short communication) (Abstract in P107-006)</i></p>

21 July 9:00 KL03 **ILSI-HESI Lecture**

KL03 **Mechanism-based environmental health research in the age of genomics**
Soterios Kyrtopoulos. *National Hellenic Research Foundation, GRC*

10:00-10:30 Coffee break

21 July 10:30 SY09 **Individual susceptibility to environmental and occupation exposure**

Nursen Basaran. *Hacettepe University Faculty of Pharmacy, Ankara. TR*

SY09-1 **Effect of genetic and environmental factors on biomarkers of exposure**
Hermann Autrup. *Univ. of Aarhus, Aarhus, Denmark.. DNK*

SY09-2 **Modulation of arseniasis risk by host factors in a multiethnic village**
Jian-Hua Shen. *Shanghai Institutes of Biological Sciences, Chinese Acad.Sc., Shanghai,. CHN*

SY09-3 **Human bladder cancer and individual susceptibility factors**
Miriam Angeli-Greaves. *Univ. of Vernezuella, Caracas, Venezuela. VEN*

SY09-5 **Application of DNA-chip based techniques in occupational studies**
Jan G. Hengstler. *IfAdo. Dortmund, Germany.. DEU*

SY09-4 **Factors of individual susceptibility to benzene: state of the art**
Robert Snyder. *EOHSI, Rutgers University, Piscataway, NJ, USA.. USA*

21 July 10:30 SY10 **Endocrine disruptors: effects on reproduction and development**

Anunciación Lafuente. *Lab. of Toxicology, University of Vigo. ESP*

SY10-1 **Steroid hormone receptors and metabolism in endocrine disruption.**
Sari Mäkelä . *Functional Foods Forum. University of Turku. FIN*

SY10-2 **Retinoid receptors and metabolism in endocrine disruption.**
Helen Håkansson. *The Institute of Environmental Medicine, Karolinska Institute, Stockholm. SWE*

SY10-3 **Reprogramming of DNA methylation during mammalian development and impact of Endocrine Disruptors.**
Michael Weber. *Institute of Molecular Genetics CNRS,. FRA*

SY10-4 **Criteria for the interpretation of reproductive and endocrine effects detected in regulatory guideline studies.**
Roland Solecki. *Bfr, Berlin,. DEU*

SY10-5 **Delineation of Persistent Organic Pollutant effects in human: cellular and clinical studies**
Robert Barouki. *Université René Descartes. Paris. FRA*

21 July	10:30	SY11	Genotoxicity testing: for impurities in drugs. <i>Ricard Marcos. Autonomous University of Barcelona</i>
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- SY11-1 **Genotoxicity assessment in early drug development: identification, new models and strategies**
Jacky Van Gompel. Genotoxicology and in vitro toxicology of J&J Pharma. BEL
- SY11-2 **Genotoxicological qualification of impurities in the pharmaceutical industry**
Michelle Kenyon. Genotoxicologist at Pfizer, Groton. USA
- SY11-3 **Genotoxicity testing of pharmaceuticals: An update on changing regulatory guidances**
Peter Kasper. German Regulatory Agency Bfarm. DEU
- SY11-4 **Future approaches to genotoxicity testing for drugs and impurities.**
David Tweats. Genetic toxicology, Swansea University, Wales. GBR
- SY11-5 **Threshold for Toxicological Concern (TTC) and impurities.**
Lutz Müller. Hoffmann-La Roche, Basel. CHE

21 July	10:30	SY12	Drugs of Abuse-The things you didn't know <i>Donna Seger. Vanderbilt University Medical Center. Nashville TN. USA</i>
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- SY12-1 **Cocaine-Why so Lethal?**
Robert Hoffman. New York City Poison Control Center. USA
- SY12-2 **Cannabis acute and chronic effects-The Dutch Experience**
Irma de Vries. National Poisons Information Centre, Bilthoven,. NLD
- SY12-3 **GHB and other submission agents. Clinical and legal implications**
Santiago Nogué. Unit of Clinical Toxicology. Clinic Hospital Barcelona. ESP
- SY12-4 **Neuroadaptation and Drugs of Abuse or How Drugs Change your Brain**
Donna Seger. Vanderbilt University Medical Center. Nashville TN. USA
- SY12-5 **New emerging designer drugs**
Paul Dargan. Guy's and St. Thomas Poisons Unit. London.. GBR

15:00 -16:00 Lunch in Exhibition Area

21 July	13:00-16:00	P2	Poster Sessions day 2. (15:00-16:00 Author present)
		P201-	IN VITRO TESTING METHODS
		P202-	MUTAGENICITY-GENOTOXICITY
		P203-	CARCINOGENICITY
		P204-	REPRODUCTION AND DEVELOPMENT
		P205-	INMUNOTOXICITY
		P206-	TARGET ORGAN TOXICITY: HEPATOTOXICITY
		P207-	TARGET ORGAN TOXICITY: NEUROTOXICITY
		P208-	TARGET ORGAN TOXICITY: OTHER
21 July	13:00-14:00	W4	The laboratory animal : a key player in toxicological sciences (Sponsored by Association for Assessment and Accreditation of Laboratory Animal Care, AAALAC International)
			AAALAC International: quality science and animal welfare together in an accreditation scheme <i>Javier Guillén. Senior Director and Director of European Activities. AAALAC International</i>
			Benefits in Toxicology from peer reviews of animal care and use programs <i>Peter Clausing. Senior Toxicologist. Council on Accreditation AAALAC International</i>
21 July	14:30-16:00	W4	Informative Workshop Fron Carcinogenicity to Metabolomic – Challances in Regulatory Toxicology process (Sponsored by BASF)
			1. Metabolomics: A tool for early identification of toxicological effects and an oppportunity for biology based chemical grouping under REACH (<i>Bennard. van Ravenzwaay</i>)
			2. Mode of action: CAR-mediated rodent-specific hepatocarcinogenicity (<i>Naveed Honarvar</i>)
			3. Pathology Working Group: A scientific solution for conflicting pathological datasets (<i>Sibylle Gröters</i>)
21 July	14:30-16:00	W5	Label-Free Testing for Embryotoxicity, and Hepatic Cell and Cardiomyocyte Cytotoxicity (Sponsored by ROCHE)
			Identification of embryotoxic effects of the marine biotoxin okadaic acid using different murine embryonic stem cells <i>Alfonso Lampen. Department Food Safety. Federal Institute for Risk Assessment. Berlin</i>
			Screening of Cardiotoxic and Pro-Ayythmic Compounds Using Stem Cell-Derived Cardiomyocytes with the xCELLigence RTCA Cardio System <i>Yama A. Abassi, ACEA, Cell Biology and Assay Development</i>

21 July 16:30 SY13 **Risk Assessment of Herbal Medicines and Botanical Supplements (similar, but still different!)**

Olavi Pelkonen. Dept Pharmacol & Toxicol, University of Oulu. FIN

SY13-1 **Herbals and botanicals in the grey area between medicines and nutrition: scientific and regulatory challenges**

Gert Laekeman. Katholieke Universiteit Leuven. Leuven, BEL

SY13-2 **A huge number of mixtures and substances: how to deal with them?**

M^a da Graça Campos. Faculty of Pharmacy. Universidade de Coimbra Azinhaga de Sta Comba Coimbra

SY13-3 **Standardized Evaluation of TCM drug safety and its safe use in China**

Zu-Guang Ye. State Research Center for R&D of TCM Multiingredient drug. Chinese Academy of TCM. Beijing. CHN

SY13-4 **Compatibility risks between drugs and herbal medicines or botanical supplements**

Ashim K. Mitra. School of Pharmacy. University of Missouri-Kansas City. USA

21 July 16:30 SY14 **Glia-Neuron Interactions in Neurotoxicology**

Marina Guizzetti. University of Washington, Seattle, WA. USA

SY14-1 **Proinflammatory cytokines, glutamatergic system and neurotoxicity.**

Barbara Viviani. Universita' degli Studi di Milano. ITA

SY14-2 **Ethanol activates IL-1R1/TLR4 in glial cells and induces neuroinflammation**

Consuelo Guerri. Centro de Investigación Príncipe Felipe, Valencia. ESP

SY14-3 **Chaperone deficiency in Pb-exposed glia: links to neurodegenerative diseases**

Evelyn Tiffany-Castiglioni. Texas A&M University. College Station TX. USA

SY14-4 **Fetal Alcohol Spectrum Disorders: inhibition of astrocyte release of extracellular matrix proteins and neuritogenesis.**

Marina Guizzetti. University of Washington, Seattle, WA. USA

21 July 16:30 SY15 **Toxicity and risk assessment of heat-treatment formed products**

Wolfgang Dekant. Department of Toxicology, University of Würzburg,. DEU

SY15-1 **Heat-treatment induced toxicant in food: Needs for health risk assessment**

Wolfgang Dekant. Department of Toxicology, University of Würzburg,. DEU

SY15-3 **Role of genetic and epigenetic mechanisms in furan toxicity**

Kevin Chipman. University of Birmingham. GBR

SY15-2 **Risk assessment of chemicals formed by heat processing of food**

Angelika Tritscher. WHO Joint Secretary to JECFA and JMPR, Geneva. WHO

21 July 16:30 SY16 **Integration of genomics, proteomics and metabolomics technologies in drug safety assessment**

Joan-Albert Vericat. jvericat@noscira.com.

SY16-2 **Integration of genomics, proteomics and metabolomics technologies in drug safety assessment: the need for collaboration and external funding**

Phil Hewitt. Merck KGaA, Darmstadt. DEU

SY16-1 **Integration of X-Omics data in the decision making process in Drug Development. The Melius Consortium.**

Joan Vericat. . Noscira. Madrid. ESP

SY16-4 **EMA's position in the use of X-Omics in regulatory studies**

Dominique Masset, Toxicology Department, DEMEB, FRA

SY16-3 **The use of X-Omics in regulatory studies**

Federico Goodsaid. U.S. FDA. Silver Spring MD. USA

22 July

22 July	09:00	DEB01	EUROTOX-SOT Debate. Threshold of Toxicological concern(TTC): is based on science or politics?" <i>Nancy Claude</i> . Institut de Recherches Internationales Servier. Courbevoie, FRA Sponsored by EUROTOX and Society of Toxicology USA
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Deb-1 IN FAVOUR: **Sue Barlow**. Independent Consultant in Toxicology, Brighton, GBR

Deb-2 AGAINST: **Mitchell Cheeseman**. Center for Food Safety and Applied Nutrition, US FDA, College Park, MD, USA

10:00-10:30 Coffe break in Exhibition Area

22 July	10:30	SY17	Contribution of biological monitoring to occupational risk assessment <i>Maurizio Manno</i> . University of Naples Federico II., ITA. <i>Aristidis Tsatsakis</i> . University of University of Crete, GRC
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SY17-1 **Biomonitoring for occupational health risk assessment (BOHRA): the ICOH-SCOT approach**
Maurizio Manno. University of Naples Federico II., ITA

SY17-2 **Toxicokinetic considerations in using a suite of markers to better understand occupational health risk from PAH exposure.**
Claude Viau. University of Montreal. CAN

SY17-3 **Non-invasive biomonitoring for carcinogen DNA adducts: practical application of basic toxicology.**
Glenn Talaska. University of Cincinnati., USA

SY17-4 **Saliva and axillary hair as non-invasive samples in the biomonitoring of workers exposed to metal ions and other chemicals**
Fernando Gil. University of Granada, Occupational Health School. Granada. ESP

SY17-5 **The contribution of molecular biology to the biological monitoring of human exposure to chemicals.**
Arnulfo Albores. CINVESTAV. MEX

22 July	10:30	SY18	Developmental Neurotoxicity Testing in the 21st Century: High-Throughput Screening Methods <i>Donald A. Fox</i> . University of Houston. USA
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SY18-1 **Screening for Developmental Neurotoxicity: Past and Future**
Kevin M. Crofton. US Environmental Protection Agency. USA

SY18-2 **Cell-based in vitro Screening Methods for Developmental Neurotoxicity** *Cristina Suñol*. Institut d'Investigacions Biomèdiques de Barcelona. CSIC-IDIBAPS. CIBER Epidemiología y Salud Pública. Barcelona. ESP

SY18-4 **Human neurospheres as three-dimensional cellular systems for developmental neurotoxicity testing**
Ellen Fritsche. Institut für umweltmedizinische Forschung gGmbH, Düsseldorf. DEU

SY18-5 **Present state analysis and policy direction of high-throughput ,methods for developmental neurotoxicity**
Ryozo Tsuji. Sumitomo Chemical. JPN

22 July 10:30

SY19 **New trends in Food Safety**

Partly sponsored by European Food Safety Authority
Djien Liem. European Food Safety Authority. ITA

- SY19-1 **Chemical risk assessment : Historical perspectives and current trends**
Jean Lou Dorne. . European Food Safety Authority Parma, ITA
- SY19-2 **Molecular mechanistic basis for risk assessment of biotoxins in foods**
Edmond Creppy, University Bordeaux 2. Toxicology, FRA
- SY19-3 **Mycotoxicological risks of main European food/feed chains**
Antonio F. Logrieco , Institute of Sciences of Food Production Research, ITA
- SY19-4 **Protective effect of antioxidants against mycotoxins induced cytotoxicity in cells**
Maria José Ruiz. Facultad de Farmacia, Universidad de Valencia. ESP
- SY19-5 **Pesticide risk assessment at the European Food Safety Authority: New developments**
L. Mohimont. European Food Safety Authority, Parma, ITA

22 July 10:30

SY20 **In Silico Toxicology**

Luis G. Valerio, Jr. US Food and Drug Administration.. USA
Sponsored by Prous Institute Biomedical Science

- SY20-1 **Role of the European Commission's Joint Research Centre in Computational Toxicology**
Andrew Worth. European Commission – Joint Research Centre, Ispra,. EUR
- SY20-2 **BioEpisteme – an in silico approach to predict and understand the underlying molecular mechanisms contributing to toxicity responses**
Antoni Valencia. Prous Institute for Biomedical Research, Barcelona,. ESP
- SY20-3 **A knowledge-based approach to the in silico assessment of toxicity**
Carol A. Marchant. Lhasa Limited,. GBR
- SY20-4 **In silico toxicology: predictive methods and applied regulatory research at the US FDA Center for Drug Evaluation and Research**
Luis G. Valerio, Jr.. US FDA. USA
- SY20-5 **In silico approaches, and in vitro and in vivo mutagenicity assays: implications for regulatory issues**
Romualdo Benigni. Istituto Superiore di Sanita',. ITA

13:00-16:00 LUNCH (in Exhibition Area)

22 July	13:00-16:00	P3	Poster Session day 3 (15:00-16:00 Author present)
			<p>P301- COSMETICS P302- DRUGS DEVELOPMENT P303- NANOTOXICOLOGY P304- INDUSTRIAL CONTAMINANTS P305- FORENSIC TOXICOLOGY P306- ANALYTICAL TOXICOLOGY</p> <p>P308- METALS P309- PESTICIDES P310- FOOD SAFETY P311- BIOTOXINS P312- EDUCATIONAL-TRAINING-PUBLICATION- SOCIAL ASPECTS P313- MISCELANEOUS</p>
22 July	14:30-16:00	W7	<p>Global impact of 3'Rs on regulatory processes: sharing experiences and future trends. <i>Organised by REMA (Spanish Platform on Alternatives) with the participation of experts from REMA, ECOPA, ECVAM, JACVAM, CAAT, BASF, Ferrer International</i> <i>Chair: Argelia Castaño. (REMA Prtesident, I. S. Carlos III, Madrid).</i></p> <p><i>Adela Lopez de Cerain (ECOPA President, Universidad de Navarra), Hajime Kojima (JaCVAM) Pilar Prieto (ECVAM) Thomas Harptung (CAAT) Domingo Gargallo, Toxicology and Safety Pharmacology. Ferrer International Robert Landsiedel. BASF Product Safety.- Experimental Toxicology and Ecology</i></p>
22 July	14:30-16:00	W8	<p>Accomplishments and Challenges in Global Chemicals Policy <i>(With the colaboration of experts from the US NLM, UN, WHO OECD, OpenTox, and Eco Conseil)</i> <i>Chair: Philip Wexler, US National Library of Medicine. USA</i></p> <p>Advancing toxicology through a more strategic approach to international chemicals management <i>Lesley Onyon, United Nations Environment Programme Carolyn Vickers, World Health Organization</i></p> <p>ECHA and current development of REACH <i>David Bell. European Chemical Agency (ECHA)</i></p> <p>Satisfying REACH Requirements in Predictive Toxicology <i>Barry Hardy, OpenTox Project Coordinator</i></p> <p>OECD Chemicals Programme and Test Guidelines <i>Laurence Musset, Test Guidelines Programme, OECD Hitoshi Someya, Environment Directorate, OECD</i></p> <p>Globally Harmonised System for Classification and Labeling <i>Jan van der Kolk, Eco Conseil</i></p>

16:00-16:30 Coffee break (In Exhibiton Area)

22 July	16:30	SY21	<p>New insights into acetaminophen toxicity <i>Ana Ferrer-Dufol. Unit of Clinical Toxicology. Clinical Hospital. Zaragoza. ESP</i></p>
		SY21-1	<p>New insights into the mechanisms of acetaminophen toxicity <i>Jack A. Hinson. Division of Toxicology, Univ Arkansas,. USA</i></p>
		SY21-4	<p>Toxicity of acetaminophen in therapeutic doses <i>Paul B. Watkins. ,University of North Carolina , Chapel Hill, NC.. USA</i></p>
		SY21-5	<p>Identification of patients at risk of hepatotoxicity <i>Marco Sivilotti. Department of Emergency Medicine, Queen's UniversityKingston, Ontario.. CAN</i></p>
		SY21-2	<p>Identification of patients at risk of adverse effects from acetaminophen antidotes <i>Lars E. Schmidt. Department of Hepatology Rigshospitalet, Copenhagen. DNK</i></p>
		SY21-3	<p>How can drug regulation reduce the public health burden of acetaminophen poisoning <i>Nicholas Bateman. Clinical toxicology, University of Edinburgh.. GBR</i></p>
22 July	16:30	SY22	<p>MicroRNA Malefactors: role in chemically-induced toxicity <i>David R Bell. ECCHA. Helsinki. FIN</i></p>
		SY22-1	<p>Roles for miRNAs in drug and chemical toxicity <i>Emma Marczyklo. MRC Toxicology Unit. GBR</i></p>
		SY22-2	<p>The Role of miRNAs in PPARalpha Induced Hepatocellular Carcinomas <i>Yatrik M Shah. University of Michigan, USA</i></p>
		SY22-3	<p>microRNAs in cancer <i>Anders Lund. BRIC, University of Copenhagen</i></p>
		SY22-4	<p>Critical Roles of MicroRNAs in the Early Stages of Colon Carcinogenesis <i>Masako Ochiai, National Cancer Center Research Institute, Tokyo, Japan</i></p>
		SY22-5	<p>MicroRNAs following DNA damage <i>Martin Bushell. MRC Toxicology Unit. University of Leicester GBR</i></p>

22 July	16:30	SY23	Education and chemical safety in developing countries <i>Eduardo de la Peña de Torres. CSIC. Centro de Ciencias Medioambientales, Iberoamerican Network Toxicology and Chemical Safety. ESP</i>
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SY23-1 **Education in Toxicology and Chemical Safety in Developing Countries**

Silvia BARROS. University of Sao Paulo.. BRA

SY23-5 **Present and Future Challenges in Safety Assessment for Pharmaceuticals in Iberoamerica.**

José MANAUTOU. University of Connecticut.. USA

SY23-2 **Reality and Needs of Toxicology Research and Education in Developing Countries.**

Fernanda CAVIERES. Universidad of Valparaiso.. CHL

SY23-3 **Issues pertaining to toxicology and chemical safety in Africa**

Mary GULUMIAN. Toxicology and Biochemistry Section NIOH, Johannesburg.. ZAF

SY23-4 **The needs of Toxicological Research and Education in Continental Asia**

Junshi Chen. Institute of Nutrition and Food Hygiene. Chinese Acad. of Preventive Med.. CHN

22 July	16:30	SY24	Immunotoxicology: From models to humans <i>Dori Germolec. Toxicology Branch. NTP/NIEHS USA</i>
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SY24-1 **Overview of alternative methods in immunotoxicology**

Emmanuela Corsini. University of Milan.. ITA

SY24-2 **Chemical allergy: the relationships between in vitro tests, animal tests and clinical experience**

Ian Kimber. Faculty of Life Sciences, University of Manchester. GBR

SY24-3 **Evidence for the immunotoxicity of perfluorinated compounds**

Dori Germolec. Toxicology Branch. NTP/NIEHS USA

SY24-4 **Developmental immunotoxicity of metals.**

RR. Dietert. College of Veterinary Medicine, Cornell University, Ithaca. USA

23 July

23 July 9:00 KL03 **Key Lecture**

What makes a drug to be hepatotoxic?: how new technologies can help to better understand the phenomena

José V. Castell. *Unit for Experimental Hepatology. Research Institute of the University Hospital La Fe. Valencia. ESP*

23 July 10:30 SY25 **The changing face of clinical toxicology**

Martin Wilks. Swiss Centre for Applied Human Toxicology. University of Basel. Switzerland

Sponsored by Bo Holmstedt Memorial Fund (BMHF)"

SY25-4 **Is fundamental research in toxicology being translated into clinical practice?**

Peter Meier-Abt. *University of Basel, Basel. CHE*

SY25-1 **Evidence base for the treatment of poisonings**

Nick Buckley. *POW Hospital, Clinical School, University of NSW, Randwick.. AUS*

SY25-2 **Can we define severity criteria for the common cardiotropic drugs taken in overdose?**

Bruno Megarbane. *Hopital Lariboisière, Paris,. FRA*

SY25-3 **New approaches of treatment in Paraquat poisoning**

Sae-Yong Hong. *Department of Internal Medicine, Soonchunhyang University, Cheonan Hospital. Cheonan. KOR*

23 July 10:30 SY26 **Detoxication and susceptibility to anticholinesterase pesticides**

Ramesh C. Gupta. Murray State University. USA

SY26-1 **Role of Albumin in the detoxification of organophosphorus and Carbamate Pesticides**

Miguel Angel Sogorb. Universidad Miguel Hernandez. ESP

SY26-2 **Variation in human liver enzymes involved in pesticide metabolism**

Elaine Mutch. Toxicology Unit, Clinical and Laboratory Sciences, The University of Newcastle, Newcastle upon Tyne. GBR

SY26-3 **Genetic variability factors in human susceptibility to organophosphorus compounds**

Clement E. Furlong. University of Washington, Seattle WA 98159.. USA

SY26-4 **Toxicity of Mixtures Containing Similarly and Dissimilarly Acting Compounds: New Concepts**

Sameeh. A. Mansour. National Research Centre, Dokki, Cairo. EGY

23 July 10:30 SY27 **HBCD as a replacement flame retardant; another POP?**

Linda Birnbaum. NIEHS. USA

SY27-5 **Brominated Flame Retardants: Past, Future, and Regulations**

Linda Birnbaum. NIEHS. USA

SY27-1 **Hexabromocyclododecane (HBCD) Complex Chemistry: Detection and Analytical Methods.**

Adrian Covaci. University of Antwerp. BEL

SY27-2 **HBCD levels in the Environment, Biota and Humans: Stereoisomeric paradox.**

Rob J. Letcher. Environment Canada, Ottawa. CAN

SY27-3 **Different HBCD Stereoisomers are Metabolized Differently!**

Heldur Hakk. USDA ARS Biosciences Research Lab. Fargo, ND

SY27-4 **Toxicity and Toxicokinetics of HBCD**

David Szabo. University of North Carolina Chapel Hill, NC. USA

23 July	10:30	SY28	<p>Combined Exposures to Multiple Chemicals in Risk Assessment: A Pragmatic Approach <i>Carolyn Vickers. World Health Organization. Chemical Safety. Geneva, CHE</i> <i>Bette Meek. McLaughlin Centre for Population Health Risk Assessment University of Ottawa,. CAN</i> <i>Partly sponsored by WHO (World Health Organization) and EFSA (European Food Safety Authority)</i></p>
		SY28-1	<p>Considering Combined Exposures in Risk Assessment: Recent Developments, Opportunities and Challenges <i>Bette Meek. McLaughlin Centre for Population Health Risk Assessment. University of Ottawa,. CAN</i></p>
		SY28-2	<p>Illustration of the WHO Combined Exposures Framework: A tiered and integrative approach to exposure and hazard <i>Marcel T.M. van Raaij. Centre for Substances and Integrated Risk Assessment (SIR). National Institute for Public Health and the Environment (RIVM, Bilthoven. NLD</i></p>
		SY28-3	<p>WHO Framework Case Study: Carbamates* <i>Elizabeth Shipp. BayerCropScience on behalf of ECETOC, FRA</i></p>
		SY28-4	<p>Exploration of the Use of the Threshold of Toxicological Concern (TTC) and consideration of synergy for combined exposures <i>Alan R. Boobis. Imperial College London, United Kingdom. GBR</i></p>
		SY28-5	<p>Trends and developments in the risk assessment of chemical mixtures in food <i>Djien Liem. European Food Safety Authority. ITA</i></p>

23 July	13:00	KL05	<p>Final Conference (ECHA Lecture) (Auditorium –room 13) Chairs: <i>Daniel Acosta (IUTOX), Nancy Claude (EUROTOX)</i></p>
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KL05	<p>What has been REACHed? <i>David Bell. European Chemical Agency (ECHA)</i></p>
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23 July	13:30	KL05	<p>Closing Ceremony (Auditorium –room 13)</p>
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Results of ICT XII 2010, Barcelona (Congress President)
Remarks from President Spanish Association of Toxicology
Invitation to EUROTOX 2011 Congress: Paris, France
Invitation to ICT XIII (IUTOX-2013) Seoul, Korea
Remarks from President EUROTOX
Remarks and Closing by IUTOX President

14:15 End of Congress