

## SUMMARY CONGRESS INFORMATION

The Spanish Association of Toxicology (AETOX) and the Federation of European Toxicologists & European Societies of Toxicology (EUROTOX), in the name of the International Union of Toxicology (IUTOX), invite you to participate in **IUTOX-2010**, the XII International Congress of Toxicology.

The Congress will encourage interaction between Academia, Industry, Regulators and Experts in Human (clinical and epidemiology) and Environmental Toxicology. Chemical Safety increasingly requires integrated approaches to achieve successful possibilities of the innovative applications and transfer of the results of R+D giving added values with safety to human health and the environment:

- **Starting from** the most basic molecular and cell research.
- **Going through** *in vitro* alternative approaches for short and long-term effects, “omics” strategies for *in vitro* and rational animal testing and human diagnosis, application of human data (epidemiological and clinical data).
- **Transferring results to** the application for risk assessment in regulatory purposes, efficient strategies for toxicity evaluation, and risk characterization of thousands of chemicals, risk communication and social acceptance.

All these different levels of activities need to be integrated for successful industrial, biomedical and environmental applications of new materials (nanomaterials, drugs, biotechnological products) and to accomplish the objectives of sustainable chemistry.

**A forum for scientists to gather from the different fields of activity related with toxicology.**

**Open to ALL the fields of toxicology and chemical safety**

**Remember:**

**[www.iutox2010.org](http://www.iutox2010.org)**

**Barcelona 19-23 July 2010**

## General Provisional TIMETABLE of the Congress

This distribution is only tentative and might suffer some changes. Final timetable will be published in June 2010  
Free communications will be presented in Poster format.

	Monday 19 July	Tuesday 20 July	Wednesday 21 July	Thursday 22 July	Friday 23 July
09:00	Registration (all day)	Plenary Lecture	Plenary Lecture	Plenary Lecture	Plenary Lecture
10:00		<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>
10:30	Courses  Exhibitors prep.  Meetings	Symposium SY01 Symposium SY02 Symposium SY03 Symposium SY04	Symposium SY09 Symposium SY10 Symposium SY11 Symposium SY12	Symposium SY17 Symposium SY18 Symposium SY19 Symposium SY20	Symposium SY26 Symposium SY27 Symposium SY28 Symposium SY29
13:00		Poster Session 1 Sub.Com-Meetings  Exhibition Lunch	Poster Session 2 <b>EUROTOX Business Council Meeting</b>  Exhibition Lunch	Poster Session 3 <b>IUTOX General Assembly</b>  Exhibition Lunch	<b>Closing Ceremony</b>
15:00		Informative sessions Round Tables RT01	Informative sessions Round Tables RT02	<b>EUROTOX-SOT Debate</b>	
16:00		<i>Coffee</i>	<i>Coffee</i>	<i>Coffee</i>	
16:30		Symposium SY05 Symposium SY06 Symposium SY07	Symposium SY13 Symposium SY14 Symposium SY15	Symposium SY21 Symposium SY22 Symposium SY23	
18:00	<b>Opening Ceremony</b>  <b>Opening Lecture</b>	Symposium SY08	Symposium SY16	Symposium SY25	
19:30	Welcome reception			Congress Dinner	

## Monday 19 July

09:00	Open Registration (all day)	
9:00 to 17:00	Exhibitors preparations	
9:00 to 17:00	Meetings (Committees)	
10:00 to 17:00	Pre-congress Courses	<p>CEC-1 Individual susceptibility and biomarkers in occupational toxicology</p> <p>CEC-2 Regulatory toxicology and risk assessment processes for preventative and therapeutic vaccine development.</p> <p>CEC-3 In vitro test of teratogenicity: a practical approach</p> <p>CEC-4 Evaluation of drugs without animals</p> <p>CEC-5 Emerging innovative methods and technologies for biomonitoring of xenobiotics</p> <p>CEC-6 Online Internet sources of toxicological information: a practical course (palmtop computer with wifi is needed)</p> <p>CEC-7 Animal and in vitro models for the assessment of sensory and nervous toxicities</p>
18:00	Opening Ceremony	
	Opening Lecture	
19:30	Welcome reception	

## Tuesday . 20 July

08:30	Poster mounting	Poster area open for mounting Posters session 1
09:00	Plenary Lecture	Pending
10:00	<i>Coffee</i>	
10:30	Symposium SY01	Toxicosurveillance- Current status and future prospects
	Symposium SY02	Sensory Systems as Toxicity Targets
	Symposium SY03	Genetic polymorphism and drug metabolizing enzymes
	Symposium SY04	The diet in colon cancer development
13:00	Poster Session 1 (Author present 14:00-15:00)	<b>Poster Sessions day 1</b> (Human, Clinical, Occupational, Human biomonitoring, epidemiological, Environmental health, Ecotoxicity, Food Safety, other)
	Sub.Com-Meetings	
	Exhibition	
	Lunch	
15:00	Key Lecture	
	Round Table RT01	
	Informative sessions	
16:00	<i>Coffee</i>	
16:30	Symposium SY05	Biomarkers and Molecular Mechanisms in Pesticide Toxicity
	Symposium SY06	Effects of climate change on human health - special focus on contaminants
	Symposium SY07	New Developments in Pulmonary Carcinogenesis
	Symposium SY08	Safe Nanotechnologies - A Challenge for the Future

18:30 End and Poster off

## Wednesday 21 July

08:30	Poster mounting	Poster area open for mounting Posters session 1
09:00	Plenary Lecture	Pending
10:00	<i>Coffee</i>	
10:30	Symposium SY09	Individual susceptibility to environmental and occupation exposure
	Symposium SY10	Endocrine disrupters: effects on reproduction and development
	Symposium SY11	Genotoxicity testing: for impurities in drugs.
	Symposium SY12	Risk Assessment of Herbal Medicines and Botanical Supplements
13:00	Poster Session 2 (Author present 14:00-15:00)	<b>Poster Sessions day 2</b> (Target Organ toxicity, mutagenicity, carcinogenicity, reproduction-development, Immunotoxicity, in vitro methods, mechanistic, biotransformation, other)
	<b>EUROTOX</b>	<b>EUROTOX Business Council Meeting (from 13:00 until 18:00)</b>
	Exhibition	
	Lunch	Served in Exhibition area
15:00	Key lecture	
	Round Table RT02	
	Informative sessions	
16:00	<i>Coffee</i>	
16:30	Symposium SY13	Drugs of Abuse-The things you didn't know
	Symposium SY14	Glia-Neuron Interactions in Neurotoxicology
	Symposium SY15	Toxicity and risk assessment of heat-treatment formed products
	Symposium SY16	Integration of genomics, proteomics and metabolomics technologies in drug safety assessment
18:30	End and Poster off	

## Thursday 22 July

08:30	Poster mounting	Poster area open for mounting Posters session 1
09:00	Plenary Lecture	Pending
10:00	<i>Coffee</i>	
10:30	Symposium SY17	Contribution of biological monitoring to occupational risk assessment
	Symposium SY18	Developmental Neurotoxicity Testing in the 21st Century: High-Throughput Screening Methods
	Symposium SY19	Pending
	Symposium SY20	Education and chemical safety in developing countries
13:00	Poster Session 3 (Author present 14:00-15:00)	<b>Poster Sessions day 3</b> (Relevant substances, nanotoxicology, metals, pesticides, industrial contaminants, drugs development, cosmetics, biotoxins, analytical, regulatory, testing, forensic, educational, risk management, QSAR, other)
	<b>IUTOX</b>	<b>IUTOX General Assembly</b>
	Exhibition	

Lunch		
15:00	EUROTOX-SOT Debate	Threshold of Toxicological concern (TTC): is based on science or politics?
16:00	<i>Coffee</i>	
16:30	Symposium SY21	New insights into acetaminophen toxicity
	Symposium SY22	Transcription factor crosstalk in xenobiotic induced adverse effects
	Symposium SY23	In Silico Toxicology
18:00	Symposium SY24	Immunotoxicology: From models to humans
18:30	End and Poster off	
19:30	Congress Dinner	

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## Friday 23 July

08:30	Poster mounting	Poster area open for mounting Posters session 1
09:00	Plenary Lecture	Pending
10:00	<i>Coffee</i>	
10:30	Symposium SY26	The changing face of clinical toxicology <i>(Sponsored by Bo Homlsted Memorial Fund)</i>
	Symposium SY27	Detoxication and susceptibility to anticholinesterase pesticides
	Symposium SY28	HBCD as a replacement flame retardant; another POP?
	Symposium SY29	Combined Exposures to Multiple Chemicals in Risk Assessment: A Pragmatic Approach
13:00	<b>Closing Ceremony</b>	
14:00	<b>End of Congress</b>	

**CALENDAR.** Abstracts submission, registration (delegates, exhibitors) will be open in July 2009 with deadlines in February 2010.

**EXHIBITORS.** The exhibitor area will be in the same area of poster presentation and serving coffees and lunches and area of free Wifi Internet access and between some rooms for symposia. Therefore the interaction of exhibitors and congress Delegates will be strongly facilitated. Registration for Exhibitors will be open in July 2010

**VENUE.** **Barcelona** is situated on the Mediterranean Sea Coast in north-eastern **Spain**. Barcelona is a modern, historical city, which is well connected with Europe and the entire world by land, sea and air. It is also known for its high quality venues, hotel facilities and public transport.

## DETAIL PROGRAM

### PLENARY LECTURES AND SPECIAL SESSIONS

19 July	18:00	KL01	<b>Opening Lecture</b> (to be announced)
20 July	09:00	KL02	<b>Key Lecture 2</b> (to be announced)
21 July	09:00	KL03	<b>Key Lecture 3</b> (to be announced)
22 July	09:00	KL04	<b>Key Lecture 4</b> (to be announced)
23 July	09:00	KL05	<b>Key Lecture 5</b> (to be announced)
21 July	15:00	RT02	<b>Role of in vitro and in silico alternative methods and global impact for regulatory processes (Round Table with representative institutions)</b> <i>Argelia Castaño. (REMA-ECOPA).</i> <i>Speakers to be announced</i>
20 July	15:00	RT01	<b>Publication in Toxicology bibliometric analysis and new technologies, present and future (Round Table with editors of journals)</b> <i>Herman Bolt. IfaDo, Dortmund. DEU</i> <i>Speakers to be announced</i>

## EUROTOX-SOT Debate

22 July 14:30 SY01 **Threshold of Toxicological concern(TTC): is based on science or politics?"**  
*Nancy Claude Institut de Recherches Internationales Servier. Courbevoie, FRA*  
*Sponsored by EUROTOX and Society of Toxicology USA*

Deb-1 IN FAVOUR:

*Sue Barlow. Independent Consultant in Toxicology, Brighton, GBR*

Deb-2 AGAINST:

*Michael Cheeseman. Center for Food Safety and Applied Nutrition, US FDA, College Park, MD, USA*

## CONTINUOUS EDUCATIONAL COURSE

(Pre-congress Courses, starting day of the Congress)

Registration Fee: 250 € (Late registration: 350€)

- CEC-1 Individual susceptibility and biomarkers in occupational toxicology
- CEC-2 Regulatory toxicology and risk assessment processes for preventative and therapeutic vaccine development.
- CEC-3 In vitro test of teratogenicity: a practical approach
- CEC-4 Evaluation of drugs without animals
- CEC-5 Emerging innovative methods and technologies for biomonitoring of xenobiotics
- CEC-6 Online Internet sources of toxicological information: a practical course (palmtop computer with wifi is needed)
- CEC-7 Animal and in vitro models for the assessment of sensory and nervous toxicities"

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*(Details of the contents will be published later on)*

## SIMPOSIA

20 July	10:30	SY01	<b>Toxicosurveillance- Current status and future prospects</b> <i>Nickholas Bateman. University of Edinburgh. GBR</i>
		SY01-1	<b>Toxicosurveillance Spanish Program</b> <i>Ana Ferrer-Dufol. Unit of Clinical Toxicology. Clinical Hospital. Zaragoza. ESP</i>
		SY01-2	<b>Practical approaches to toxicosurveillance in Asia.</b> <i>Andrew Dawson. Faculty of Medicine, University of Peradeniya . Peradeniya.. SRI</i>
		SY01-3	<b>Using epidemiological data to study lethal occupational exposures</b> <i>David Coggon. MRC. Epidemiology Resource Centre, University of Southampton.. GBR</i>
		SY01-4	<b>Toxicosurveillance using poison center data-streams</b> <i>pending confirmation</i>
		SY01-5	<b>International collaboration in Toxicosurveillance: a WHO perspective</b> <i>Tim J Meredith. International Programme on Chemical Safety. World Health Organization. Geneva.. CHE</i>
20 July	10:30	SY02	<b>Sensory Systems as Toxicity Targets</b> <i>Larry Fechter. Jerry Pettis Memorial Veterans Medical Center,. USA</i>
		SY02-1	<b>Auditory effects of combined exposures to noise and chemicals in experimental animals</b> <i>Pierre Campo, Institut National de Recherche et de Sécurité, France</i>
		SY02-2	<b>Toxicity of Nitriles on the Peripheral Vestibular System: Defining New Families of Compounds with “Classic-Type” of Inner Ear Toxicity.</b> <i>Jordi Llorens. Universitat de Barcelona,. ESP</i>
		SY02-3	<b>Visual Effects of Exposure to Volatile Organic Solvents in an Animal Model</b> <i>William K. Boyes, US Environmental Protection Agency, USA</i>
		SY02-4	<b>Chemosensory Effects of Exposure to Volatile Organic Compounds in Humans</b> <i>Christoph van Thriel. Leibniz Research Centre for Working Environment and Human Factors at the University of Dortmund,., DEU</i>
		SY02-5	<b>Chemical exposure as a risk factor for hearing loss: implications for occupational health</b> <i>Ann-Christin Johnson. Karolinska Institutet, Stockholm, Sweden</i>



20 July	10:30	SY03	<b>Genetic polymorphism and drug metabolizing enzymes</b> <i>Edmund Maser. Institute of Toxicology and Pharmacology, Univ. Med. School Schleswig-Holstein, Kiel. DEU</i>
		SY03-2	<b>Carbonyl Reductases/Steroid Dehydrogenases: Biology, Classification and Implication in Drug Metabolism and Detoxification</b> <i>Edmund Maser. Institute of Toxicology and Pharmacology, Univ. Med. Sch. Schleswig-Holstein, Kiel. DEU</i>
		SY03-3	<b>Metabolic activation of PAHs by aldo-keto reductases</b> <i>Trevor M. Penning. Philadelphia, USA</i>
		SY03-4	<b>Epoxide hydrolases: structure, function, mechanism and toxicological implication</b> <i>Michael Arand. Zurich. CHE</i>
20 July	10:30	SY04	<b>The diet in colon cancer development</b> <i>Dieter Schrenk; Pablo Steinberg. Universitat. Kaiserslautern. University of Veterinary Medicine Hannover. DEU</i>
		SY04-1	<b>In vitro models to study diet-related colon cancer induction and prevention</b> <i>Jenifer I. Fenton. Department of Food Science and Human Nutrition, Michigan State University. USA</i>
		SY04-2	<b>Red and processed meat intake and risk of colorectal adenoma and carcinoma from a molecular epidemiological point of view</b> <i>Rashmi Sinha. Division of Cancer Epidemiology and Genetics, National Cancer Institute. USA</i>
		SY04-3	<b>The role of folate in colon cancer development</b> <i>Robert Clarke. Clinical Trial Service Unit, University of Oxford. GBR</i>
		SY04-4	<b>The role of flat dysplastic aberrant crypt foci induced in the colon by food contaminants</b> <i>Jan Alexander. Division of Environmental Medicine, Norwegian Institute of Public Health. NOR</i>
		SY04-5	<b>The role of inflammation in colon cancer induced by food contaminants</b> <i>Pablo Steinberg. Institute for Food Toxicology and Analytical Chemistry University of Veterinary Medicine Hannover. DEU</i>

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

*Arturo Anadón. Complutense University. Madrid. SP*

- SY05-2 **In Vivo Biomarkers of Neurotoxicity Induced by Organophosphates and Carbamates**  
*Ramesh C. Gupta. Murray State University. USA*
- SY05-3 **Plasma  $\beta$ -glucuronidase as an alternative biomarker to cholinesterase for organophosphate exposure**  
*Tetsuo Satoh. Chiba University. JPN*
- SY05-4 **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*
- SY05-5 **Effects of organophosphate exposure on male reproductive outcomes**  
*B. Quintanilla-Vega. Sección Externa de Toxicología, CINVESTAV, Zacatenco, Mexico DF. MEX*

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

- SY06-1 **Global climate change and health**  
*pending confirmation*
- SY06-2 **The environmental health and contaminants in Alaska**  
*James E. Berner. Alaska Native Tribal Health Consortium, Anchorage, Alaska. USA*
- SY06-3 **Climate change, contaminants and human health in Arctic Russia.**  
*pending confirmation*
- SY06-4 **Human health in the context of changing ecosystems and environment**  
*Arja Rautio. University of Oulu. FIN*
- SY06-5 **The North - South dimension –are the effects of climate change equal in the South and North?**  
*Jon Oyvind Odland. University of Tromso. NOR*

20 July	16:30	SY07	<b>New Developments in Pulmonary Carcinogenesis</b> <i>Heidi Foth. University of Halle, Germany (President of the German Society of Toxicology (GT). DEU</i>
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- SY07-1 **Deregulated EGFR Signaling during Lung Cancer Progression**  
*Adi Gazdar. University of Texas Southwestern Medical Center, Dallas. USA*
- SY07-2 **Emerging animal models in lung carcinogenesis with special interest in the silica induced model.**  
*Luis M. Montuenga. University of Navarra, Pamplona. ESP*
- SY07-3 **Transgenic and Smoke-Induced Rodent Lung Cancer Models**  
*Hans-Juergen Haussmann. Toxicology Consultant, Roesrath. DEU*
- SY07-4 **Involvement of A Cell Adhesion Molecular, CADM1/TSLC1, in Lung Oncogenesis.**  
*pending confirmation*
- SY07-5 **Environmental vs. Genetic Risk Factors for Lung Cancer**  
*pending confirmation*

20 July	16:30	SY08	<b>Safe Nanotechnologies - A Challenge for the Future</b> <i>Kai Savolainen. Finnish Institute of Occupational Health, Helsinki. FIN</i>
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- SY08-1 **New Lessons of Safety Challenges of Engineered Nanoparticles - Introduction**  
*Kai Savolainen. Finnish Institute of Occupational Health, Helsinki.. FIN*
- SY08-2 **Assessment of Exposure to Nanoparticles in Occupational Setting**  
*Gerhard Kasper. Institut für Mechanische Verfahrenstechnik und Mechanik. University of Karlsruhe. DEU*
- SY08-3 **Causality of Exposure to Engineered Nanoparticles and Their Biological Effects**  
*Allison Elder. School of Medicine & Dentistry, University of Rochester, Rochester, NY, USA. USA*
- SY08-4 **Carbon Nanotubes - Challenges for Assuring Safety of Nanotechnologies**  
*Ken Donaldson. MRC Centre for Inflammation Research (CIR). University of Edinburgh. GBR*
- SY08-5 **Crossroads of Nanosafety and Their Biological Effects**  
*Yuliang Zhao. Institute of High Energy Physcs. Chinese Academy of Science Beijing. CHN*

21 July	10:30	SY09	<b>Individual susceptibility to environmental and occupation exposure</b> <i>Nursen Basaran. Hacettepe University Faculty of Pharmacy, Ankara. TR</i>
		SY09-1	<b>Effect of genetic and environmental factors on biomarkers of exposure</b> <i>Hermann Autrup. Univ. of Aarhus, Aarhus, Denmark.. DNK</i>
		SY09-2	<b>Environmental exposure to arsenic in China and individual susceptibility</b> <i>Jian-Hua Shen. Shanghai Institutes of Biological Sciences, Chinese Acad.Sc., Shanghai,. CHN</i>
		SY09-3	<b>Human bladder cancer and individual susceptibility factors</b> <i>Miriam Angeli-Greaves. Univ. of Vernezuela, Caracas, Venezuela. VEN</i>
		SY09-4	<b>Application of DNA-chip based techniques in occupational studies</b> <i>Jan G. Hengstler. IfADo. Dortmund, Germany.. DEU</i>
		SY09-5	<b>Factors of individual susceptibility to benzene: state of the art</b> <i>Robert Snyder. EOHSI, Rutgers University, Piscataway, NJ, USA.. USA</i>
21 July	10:30	SY10	<b>Endocrine disruptors: effects on reproduction and development</b> <i>Anunciación Lafuente. Lab. of Toxicology, University of Vigo. ESP</i>
		SY10-1	<b>Steroid hormone receptors and metabolism in endocrine disruption.</b> <i>Sari Mäkele. Functional Foods Forum. University of Turku. FIN</i>
		SY10-3	<b>Retinoid receptors and metabolism in endocrine disruption.</b> <i>Helen Håkansson. The Institute of Environmental Medicine, Karolinska Institute, Stockholm. SWE</i>
		SY10-4	<b>Reprogramming of DNA methylation during mammalian development and impact of Endocrine Disruptors.</b> <i>Michael Weber. Institute of Molecular Genetics CNRS,. FRA</i>
		SY10-5	<b>Criteria for the interpretation of reproductive and endocrine effects detected in regulatory guideline studies.</b> <i>Roland Solecki. Bfr, Berlin,. DEU</i>

21 July	10:30	SY11	<b>Genotoxicity testing: for impurities in drugs.</b> <i>Ricard Marcos. Autonomous University of Barcelona</i>
		SY11-1	<b>Genotoxicity assessment in early drug development: identification, new models and strategies</b> <i>pending confirmation</i>
		SY11-2	<b>Genotoxicological qualification of impurities in the pharmaceutical industry</b> <i>pending confirmation</i>
		SY11-3	<b>Genotoxicity testing of pharmaceuticals: An update on changing regulatory guidances</b> <i>Peter Kasper. German Regulatory Agency Bfarm. DEU</i>
		SY11-4	<b>Future approaches to genotoxicity testing for drugs and impurities.</b> <i>David Tweats. Genetic toxicology, Swansea University, Wales. GBR</i>
		SY11-5	<b>Threshold for Toxicological Concern (TTC) and impurities.</b> <i>Lutz Müller. Hoffmann-La Roche, Basel. CHE</i>
21 July	10:30	SY12	<b>Risk Assessment of Herbal Medicines and Botanical Supplements (similar, but still different!)</b> <i>Olavi Pelkonen. Dept Pharmacol &amp; Toxicol, University of Oulu. FIN</i>
		SY12-1	<b>Herbals and botanicals in the grey area between medicines and nutrition: scientific and regulatory challenges</b> <i>Gert Laekeman. Katholieke Universiteit Leuven. Leuven., BEL</i>
		SY12-3	<b>Safety concerns vs long-term experience – role of preclinical and clinical testing</b> <i>Zu-Guang Ye. State Research Center for R&amp;D of TCM Multiingredient drug. Chinese Academy of TCM. Beijing. CHN</i>
		SY12-4	<b>Compatibility risks between drugs and herbal medicines or botanical supplements</b> <i>Ashim K. Mitra. School of Pharmacy. University of Missouri-Kansas City. USA</i>

21 July	16:30	SY13	<b>Drugs of Abuse-The things you didn't know</b> <i>Donna Seger. Vanderbilt University Medical Center. Nashville TN. USA</i>
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- SY13-1 **Cocaine-Why so Lethal?**  
*Robert Hoffman. New York City Poison Control Center. USA*
- SY13-2 **Cannabis acute and chronic effects-The Dutch Experience**  
*Irma de Vries. National Poisons Information Centre, Bilthoven,. NLD*
- SY13-3 **GHB and other submission agents. Clinical and legal implications**  
*Santiago Nogué. Unit of Clinical Toxicology. Clinic Hospital Barcelona. ESP*
- SY13-4 **Neuroadaptation and Drugs of Abuse or How Drugs Change your Brain**  
*Donna Seger. Vanderbilt University Medical Center. Nashville TN. USA*
- SY13-5 **New emerging designer drugs**  
*Paul Dargan. Guy's and St. Thomas Poisons Unit. London.. GBR*

21 July	16:30	SY14	<b>Glia-Neuron Interactions in Neurotoxicology</b> <i>Marina Guizzetti. University of Washington, Seattle, WA. USA</i>
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- SY14-1 **Glial activation and the neuronal glutamatergic system, a dangerous liaison.**  
*Barbara Viviani. Universita' degli Studi di Milano. ITA*
- SY14-2 **Ethanol activates IL-1RI/TLR4 in glial cells and induces neuroinflammation**  
*Consuelo Guerrí. 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**

- SY15-1 **Heat-treatment induced toxicant in food: Needs for health risk assessment**  
*Wolfgang Dekant. Department of Toxicology, University of Würzburg,. DEU*
- SY15-2 **Formation of toxic chemicals in heat processed food**  
*Pending confirmation*
- SY15-3 **Role of genetic and epigenetic mechanisms in furan toxicity**  
*Kevin Chipman. University of Birminghamj. GBR*
- SY15-4 **Risk assessment of chemicals formed by heat processing of food**  
*Angelika Tritscher. WHO Joint Secretary to JECFA and JIMPR, Geneva. WHO*

21 July 16:30 SY16 **Integration of genomics, proteomics and metabolomics technologies in drug safety assessment**  
*Joan-Albert Vericat. jvericat@noscira.com.*

- SY16-1 **Description of X-omics Technologies ready to us.**  
*pending confirmation*
- SY16-2 **The importance of collaboration and external funding for the success of Toxicomics profiling in the Pharmaceutical**  
*Phil Hewitt. Merck KGaA, Darmstadt. DEU*
- SY16-3 **Integration of X-Omics data in the decision making process in Drug Development. The Melius Consortium.**  
*Joan Vericat. . Noscira. Madrid. ESP*
- SY16-4 **The use of X-Omics in regulatory studies**  
*pending confirmation. EMEA*
- SY16-5 **The use of X-Omics in regulatory studies**  
*Federico Goodsaid. U.S. Food and Drug Administration, Silver Spring, MD, USA*

22 July	10:30	SY17	<b>Contribution of biological monitoring to occupational risk assessment</b> <i>Maurizio Manno. University of Naples Federico II., ITA</i>
		SY17-1	<b>Biomonitoring for occupational health risk assessment (BOHRA): the ICOH-SCOT approach</b> <i>Maurizio Manno. University of Naples Federico II., ITA</i>
		SY17-2	<b>Toxicokinetic considerations in using a suite of markers to better understand occupational health risk from PAH exposure.</b> <i>Claude Viau. University of Montreal. CAN</i>
		SY17-3	<b>Non-invasive biomonitoring for carcinogen DNA adducts: practical application of basic toxicology.</b> <i>Pending confirmation</i>
		SY17-4	<b>Saliva and axillary hair as non-invasive samples in the biomonitoring of workers exposed to metal ions and other chemicals</b> <i>Fernando Gil. University of Granada, Occupational Health School. Granada. ESP</i>
		SY17-5	<b>The contribution of molecular biology to the biological monitoring of human exposure to chemicals.</b> <i>Arnulfo Albores. CINVESTAV. MEX</i>

22 July	10:30	SY18	<b>Developmental Neurotoxicity Testing in the 21st Century: High-Throughput Screening Methods</b> <i>Donald A. Fox. University of Houston. USA</i>
		SY18-1	<b>Screening for Developmental Neurotoxicity: Past and Future (short introduction)</b> <i>Kevin M. Crofton. US Environmental Protection Agency. USA</i>
		SY18-2	<b>High-Throughput for Screening Methods for Developmental Neurotoxicity: In Vitro</b> <i>Cristina Suñol. Institut d'Investigacions Biomèdiques de Barcelona. CSIC-IDIBAPS. CIBER Epidemiología y Salud Pública. Barcelona. ESP</i>
		SY18-3	<b>Developmental neurotoxicity assessment using the zebrafish model</b> <i>Joaquín Guinea. ZF Biolabs. Madrid. ESP</i>
		SY18-4	<b>Human neurospheres as three-dimensional cellular systems for developmental neurotoxicity testing</b> <i>Ellen Fritsche. Institut für umweltmedizinische Forschung gGmbH, Düsseldorf. DEU</i>
		SY18-5	<b>Risk Analysis and Policy Implications of High-Throughput Methods for Developmental Neurotoxicity</b> <i>Ryozo Tsuji. Sumitomo Chemical. JPN</i>



22 July 10:30 SY20 **Education and chemical safety in developing countries**  
*Eduardo de la Peña de Torres. CSIC. Centro de Ciencias Medioambientales, Iberoamerican Network Toxicology and Chemical Safety. ESP*

- SY20-1 **Education in Toxicology and Chemical Safety in Developing Countries**  
*Silvia BARROS. University of Sao Paulo.. BRA*
- SY20-2 **Present and Future Challenges in Safety Assessment for Pharmaceuticals in Iberoamerica.**  
*Dr. Jose MANATOU. University of Connecticut. Connecticut. USA*
- SY20-3 **Reality and Needs of Toxicology Research and Education in Developing Countries.**  
*Fernanda CAVIERES. Universidad of Valparaiso.. CHL*
- SY20-4 **Issues pertaining to toxicology and chemical safety in Africa**  
*pending confirmation*
- SY20-5 **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 SY21 **New insights into acetaminophen toxicity**

- SY21-1 **New insights into the mechanisms of acetaminophen toxicity**  
*Jack A. Hinson. Division of Toxicology, Univ Arkansas,. USA*
- SY21-2 **Toxicity of acetaminophen in therapeutic doses**  
*Paul B. Watkins. ,University of North Carolina , Chapel Hill, NC.. USA*
- SY21-3 **Identification of patients at risk of hepatotoxicity**  
*Marco Sivilotti. Department of Emergency Medicine, Queen's UniversityKingston, Ontario.. CAN*
- SY21-4 **Identification of patients at risk of adverse effects from acetaminophen antidotes**  
*Lars E. Schmidt. Department of Hepatology Rigshospitalet, Copenhagen. DNK*
- SY21-5 **How can drug regulation reduce the public health burden of acetaminophen poisoning**  
*Nicholas Bateman. Clinical toxicology, University of Edinburgh.. GBR*

22 July	16:30	SY23	<b>In Silico Toxicology</b> <i>Luis G. Valerio, Jr. US Food and Drug Administration.. USA</i>
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- SY23-1 **Role of the European Commission's Joint Research Centre in Computational Toxicology**  
*Andrew Worth. European Commission – Joint Research Centre, Ispra,. EUR*
- SY23-2 **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*
- SY23-3 **A knowledge-based approach to the in silico assessment of toxicity**  
*Carol A. Marchant. Lhasa Limited,. GBR*
- SY23-4 **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*
- SY23-5 **In silico approaches, and in vitro and in vivo mutagenicity assays: implications for regulatory issues**  
*Romualdo Benigni. Istituto Superiore di Sanita',. ITA*

22 July	16:30	SY24	<b>Immunotoxicology: From models to humans</b> <i>Dori Germolec. Toxicology Branch. NTP/NIEHS. USA</i>
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- SY24-1 **Overview of alternative methods in immunotoxicology**  
*E. Corsini. University of Milan,. ITA*
- SY24-2 **Chemical allergy: the relationships between in vitro tests, animal models and clinical experience**  
*Ian Kimber. Faculty of Life Sciences, University of Manchester. GBR*
- SY24-3 **Immunotoxic effects of perfluorinated compounds in experimental animals**  
*pending confirmation*
- SY24-4 **Evidence of PFOS' immunotoxicity in humans.**  
*Dori Germolec. Toxicology Branch. NTP/NIEHS USA*
- SY24-5 **Developmental immunotoxicity of metals.**  
*RR. Dietert. College of Veterinary Medicine, Cornell University, Ithaca. USA*

23 July	10:30	SY25	<b>The changing face of clinical toxicology</b> <i>Martin Wilks. Syngenta Crop Protection AG.. GBR</i>
		SY25-1	<b>Is fundamental research in toxicology being translated into clinical practice?</b> <i>Peter Maier-Abt. University of Basel, Basel. CHE</i>
		SY25-2	<b>Evidence base for the treatment of poisonings</b> <i>Nick Buckley. POW Hospital, Clinical School, University of NSW, Randwick.. AUS</i>
		SY25-3	<b>Can we define severity criteria for the common cardiotropic drugs taken in overdose?</b> <i>Bruno Megarbane. Hopital Lariboisière, Paris,. FRA</i>
		SY25-5	<b>New approaches of treatment in Paraquat poisoning</b> <i>Sae-Yong Hong. Department of Internal Medicine, Soonchunhyang University, Cheonan Hospital. Cheonan. KOR</i>

23 July	10:30	SY26	<b>Detoxication and susceptibility to anticholinesterase pesticides</b> <i>Ramesh C. Gupta. Murray State University. USA</i>
		SY26-1	<b>Role of Albumin in the detoxification of organophosphorus and Carbamate Pesticides</b> <i>Miguel Angel Sogorb. Universidad Miguel Hernandez. ESP</i>
		SY26-3	<b>Variation in human liver enzymes involved in pesticide metabolism</b> <i>Elaine Mutch. Toxicology Unit, Clinical and Laboratory Sciences, The University of Newcastle, Newcastle upon Tyne. GBR</i>
		SY26-4	<b>Genetic variability factors in human susceptibility to organophosphorus compounds</b> <i>pending confirmation</i>
		SY26-5	<b>Toxicity of Mixtures Containing Similarly and Dissimilarly Acting Compounds: New Concepts</b> <i>Sameeh. A. Mansour. National Research Centre, Dokki, Cairo. EGY</i>

23 July	10:30	SY27	<b>HBCD as a replacement flame retardant; another POP?</b> <i>Linda Birnbaum. NIEHS. USA</i>
		SY27-1	<b>Brominated Flame Retardants: Past, Future, and Regulations</b> <i>Linda Birnbaum. NIEHS. USA</i>
		SY27-2	<b>Hexabromocyclododecane (HBCD) Complex Chemistry: Detection and Analytical Methods.</b> <i>Adrian Covaci. University of Antwerp. BEL</i>
		SY27-3	<b>HBCD levels in the Environment, Biota and Humans: Stereoisomeric paradox.</b> <i>Rob J. Letcher. Environment Canada, Ottawa. CAN</i>

23 July	10:30	SY28	<p><b>Combined Exposures to Multiple Chemicals in Risk Assessment: A Pragmatic Approach</b>  <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></p>
		SY28-1	<p><b>Considering Combined Exposures in Risk Assessment: Recent Developments, Opportunities and Challenges</b>  <i>Bette Meek. McLaughlin Centre for Population Health Risk Assessment. University of Ottawa,. CAN</i></p>
		SY28-2	<p><b>Illustration of the WHO Combined Exposures Framework: A tiered and integrative approach to exposure and hazard</b>  <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><b>WHO Framework Case Study: Carbamates*</b>  <i>Elizabeth Shipp. Bayer CropScience. Sophia Antipolis. FRA</i></p>
		SY28-4	<p><b>Exploration of the Use of the Threshold of Toxicological Concern (TTC) and consideration of synergy for combined exposures</b>  <i>Alan R. Boobis. Imperial College London, United Kingdom. GBR</i></p>
		SY28-5	<p><b>Trends and developments in the risk assessment of chemical mixtures in food</b>  <i>Djien Liem. European Food Safety Authority. ITA</i></p>

## INFORMATIVE SESSIONS

21 July	15:00	IS01	<p><b>TRISK. Risk Assessor training: ensuring availability of highly qualified professionals (Informative session)</b>  <i>Corrado Galli and Takis Daskaleros. TRISK project.</i></p>
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## POSTER SESSIONS

20 July	13:00	P01	<p><b>Poster Sessions day 1</b> (Human, Clinical, Occupational, Human biomonitoring, epidemiological, Environmental health, Ecotoxicity, Food Safety, other)          ..</p>
21 July	13:00	P02	<p><b>Poster Sessions day 2</b> (Target Organ toxicity, mutagenicity, carcinogenicity, reproduction-development, Immunotoxicity, in vitro methods, mechanistic, biotransformation, other)          ..</p>
22 July	13:00	P03	<p><b>Poster Session day 3</b> (Relevant substances, nanotoxicology, metals, pesticides, industrial contaminants, drugs development, cosmetics, biotoxins, analytical, regulatory, testing, forensic, educational, risk management, QSAR, other)          ..</p>