

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 and translational 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

General Provisional TIMETABLE of the Congress

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

- Free communications will be presented in Poster format.

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.

SUMMARY LIST OF SCIENTIFIC SESSIONS

Plenary lectures and special sessions

KL01	Opening Lecture (to be announced)
KL02	Key Lecture 2 (to be announced)
KL03	Key Lecture 3 (to be announced)
KL04	Key Lecture 4 (to be announced)
KL05	Key Lecture 5 (to be announced)
DE01	SOT-Eurotos Debate. (Topic-Speakers to be announced)
RT01	Publication in Toxicology bibliometric analysis and new technologies, present and future (Round Table, journal)
RT02	Role of in vitro and in silico alternative methods and global impact for regulatory processes (Round Table with regulatory institutions)

Symposia

SY01	Toxicosurveillance- Current status and future prospects
SY02	Sensory Systems as Toxicity Targets
SY03	Genetic polymorphism and drug metabolizing enzymes
SY04	The diet in colon cancer development
SY05	Biomarkers and Molecular Mechanisms in Pesticide Toxicity
SY06	Effects of climate change on human health - special focus on contaminants
SY07	New Developments in Pulmonary Carcinogenesis
SY08	Safe Nanotechnologies - A Challenge for the Future
SY09	Individual susceptibility to environmental and occupation exposure
SY10	Endocrine disruptors: effects on reproduction and development
SY11	Genotoxicity testing: for impurities in drugs.
SY12	Risk Assessment of Herbal Medicines and Botanical Supplements
SY13	Drugs of Abuse-The things you didn't know
SY14	Glia-Neuron Interactions in Neurotoxicology
SY15	Toxicity and risk assessment of heat-treatment formed products
SY16	Integration of genomics, proteomics and metabolomics technologies in drug safety assessment
SY17	Contribution of biological monitoring to occupational risk assessment
SY18	Developmental Neurotoxicity Testing in the 21st Century: High-Throughput Screening Methods
SY20	Education and chemical safety in developing countries
SY21	New insights into acetaminophen toxicity
SY22	Transcription factor crosstalk in xenobiotic induced adverse effects
SY23	In Silico Toxicology and Chemoinformatics
SY24	Immunotoxicology: From models to humans
SY25	The changing face of clinical toxicology
SY26	Detoxication and susceptibility to anticholinesterase pesticides
SY27	HBCD as a replacement flame retardant; another POP?
SY28	Combined Exposures to Multiple Chemicals in Risk Assessment: A Pragmatic Approach

Poster sessions

P01	Poster Sessions day 1 (Human, Clinical, Occupational, Human biomonitoring, epidemiological, Environmental health, Ecotoxicity, Food Safety, other)
PO2	Poster Sessions day 2 (Target Organ toxicity, mutagenicity, carcinogenicity, reproduction-development, Immunotoxicology, mechanistic, biotransformation, other)
PO3	Poster Sessions day 3 (Relevant substances, nanotoxicology, metals, pesticides, industrial contaminants, drugs, cosmetics, biotoxins, analytical, regulatory, testing, forensic, educational, risk management, QSAR, other)

Informative sessions

IS01	TRISK. Risk Assessor training: ensuring availability of highly qualified professionals (Informative session)
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DETAIL PROGRAM

PLENARY LECTURES AND SPECIAL SESSIONS

19 July	18:00	KL01	Opening Lecture (to be announced)
20 July	09:00	KL02	Key Lecture 2 (to be announced)
21 July	09:00	KL03	Key Lecture 3 (to be announced)
22 July	09:00	KL04	Key Lecture 4 (to be announced)
23 July	09:00	KL05	Key Lecture 5 (to be announced)
21 July	15:00	RT02	Role of in vitro and in silico alternative methods and global impact for regulatory processes (Round Table with representative institutions) <i>Argelia Castaño. (REMA-ECOPA).</i>
20 July	15:00	RT01	Publication in Toxicology bibliometric analysis and new technologies, present and future (Round Table with editors of journals) <i>Herman Bolt. IfaDo, Dortmund. DEU</i>
22 July	15:00	DE01	SOT-Eurotos Debate. (Topic-Speakers to be announced)

SIMPOSIA

20 July	10:30	SY01	Toxicosurveillance- Current status and future prospects <i>Nickholas Bateman. University of Edinburgh. GBR</i>
		SY01-1	Toxicosurveillance Spanish Program <i>Ana Ferrer-Dufo. Unit of Clinical Toxicology. Clinical Hospital. Zaragoza. ESP</i>
		SY01-2	Practical approaches to toxicosurveillance in Asia. <i>Andrew Dawson. Faculty of Medicine, University of Peradeniya . Peradeniya.. SRI</i>
		SY01-3	Using epidemiological data to study lethal occupational exposures <i>David Coggon. MRC. Epidemiology Resource Centre, University of Southampton.. GBR</i>
		SY01-4	Toxicosurveillance using poison center data-streams <i>Richard Dart. Rocky Mountain Poison and Drug Center. 777 Bannock Street Mail Code 0180, Denver,CO.. USA</i>
		SY01-5	International collaboration in Toxicosurveillance: a WHO perspective <i>Tim J Meredith. International Programme on Chemical Safety. World Health Organization. Geneva.. CHE</i>

20 July	10:30	SY02	Sensory Systems as Toxicity Targets <i>Larry Fechter. Jerry Pettis Memorial Veterans Medical Center., USA</i>
		SY02-1	Auditory effects of combined exposures to noise and chemicals in experimental animals <i>Pierre Campo. Institut National de Recherche et de Sécurité., FR</i>
		SY02-2	Toxicity of Nitriles on the Peripheral Vestibular System: Defining New Families of Compounds with "Classic-Type" of Inner Ear Toxicity. <i>Jordi Llorens. Universitat de Barcelona., ESP</i>
		SY02-3	Visual Effects of Exposure to Volatile Organic Solvents in an Animal Model <i>William K. Boyes. US Environmental Protection Agency. USA</i>
		SY02-4	Chemosensory Effects of Exposure to Volatile Organic Compounds in Humans <i>Christoph van Thriel. Leibniz Research Centre for Working Environment and Human Factors at the University of Dortmund., DEU</i>
		SY02-5	Chemical exposure as a risk factor for hearing loss: implications for occupational health <i>Thais Morata. NIOSH., USA</i>

20 July	10:30	SY03	Genetic polymorphism and drug metabolizing enzymes <i>Edmund Maser. Institute of Toxicology and Pharmacology, Univ. Med. School Schleswig-Holstein, Kiel. DEU</i>
		SY03-1	Inter-individual variability of polymorphism for metabolic enzymes, for example P450 enzymes (human genetic differences in metabolism,) <i>Charles M Stein. Vanderbilt University Medical Center., USA</i>
		SY03-2	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>
		SY03-3	Metabolic activation of PAHs by aldo-keto reductases <i>Trevor M. Penning. Philadelphia., USA</i>
		SY03-4	Epoxide hydrolases: structure, function, mechanism and toxicological implication <i>Michael Arand. Zurich. CHE</i>

20 July	10:30	SY04	The diet in colon cancer development <i>Dieter Schrenk; Pablo Steinberg. Universitat. Kaiserslautern. University of Veterinary Medicine Hannover. DEU</i>
		SY04-1	In vitro models to study diet-related colon cancer induction and prevention <i>Jenifer I. Fenton. Department of Food Science and Human Nutrition, Michigan State University. USA</i>
		SY04-2	Red and processed meat intake and risk of colorectal adenoma and carcinoma from a molecular epidemiological point of view <i>Rashmi Sinha. Division of Cancer Epidemiology and Genetics, National Cancer Institute. USA</i>
		SY04-3	The role of folate in colon cancer development <i>Robert Clarke. Clinical Trial Service Unit, University of Oxford. GBR</i>
		SY04-4	The role of flat dysplastic aberrant crypt foci induced in the colon by food contaminants <i>Jan Alexander. Division of Environmental Medicine, Norwegian Institute of Public Health. NOR</i>

20 July	16:30	SY05	Biomarkers and Molecular Mechanisms in Pesticide Toxicity <i>Arturo Anadón. Complutense University, Madrid. SP</i>
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- SY05-1 **Neurotoxicity of pesticides: role of new molecular targets**
David E Ray. School of Biomedical Sciences, University of Nottingham. GBR
- SY05-2 **In Vivo Biomarkers of Neurotoxicity Induced by Organophosphates and Carbamates**
Ramesh C. Gupta. Murray State University. USA
- SY05-3 **Plasma β -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 <i>Anthony J McMichael. Australian National University, Canberra. AUS</i>
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- SY06-1 **Global climate change and health**
Anthony J. McMichael. Australian National University, Canberra. AUS
- 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.**
Valery P. Chaschin. Mechnikov Medical Academy, Moscow. RUS
- 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 Oving Odland. University of Tromso. NOR

20 July	16:30	SY07	New Developments in Pulmonary Carcinogenesis <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 **Silica-Induced Multistep Lung Cancer Model – the Role of Epigenetic vs. DNA Damage-Related Pathways**

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.**
Yoshinuri Murakami. Institute of Medical Science. The University of Tokyo 4-6-1, Shirokanedai, Minato-ku. Tokyo., JPN
- SY07-5 **Environmental vs. Genetic Risk Factors for Lung Cancer**
Paolo Boffetta. International Agency for Research on Cancer, Lyon. FRA

20 July	16:30	SY08	Safe Nanotechnologies - A Challenge for the Future <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	Individual susceptibility to environmental and occupation exposure <i>Nursen Basaran. Hacettepe University Faculty of Pharmacy, Ankara. TR</i>
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- SY09-1 **Effect of genetic and environmental factors on biomarkers of exposure**
Hermann Autrup. Univ. of Aarhus, Aarhus, Denmark.. DNK
- SY09-2 **Environmental exposure to arsenic in China and individual susceptibility**
Jian-Hua Chen. Shanghai Institutes of Biological Sciences, Chinese Acad.Sc., Shanghai., CHN
- SY09-3 **Human bladder cancer and individual susceptibility factors**
Miriam Angeli-Greaves. Univ. of Vernezuela, Caracas, Venezuela. VEN
- SY09-4 **Application of DNA-chip based techniques in occupational studies**
Jan G. Hengstler. IfADo. Dortmund, Germany.. DEU
- SY09-5 **The role of inflammatier induced by food contaminants**
Pablo Steinberg. Institute for Food Toxicology and Analytical Chemistry University of Veterinary Medicine Hannover. DEU

- SY09-5 **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 Mäkele. Functional Foods Forum. University of Turku. FIN
- SY10-2 **Thyroid disruption due to exposure to environmental contaminants.**
Daniel G. Cyr. INRS, Institut Armand Frappier, Université du Québec. Montreal. CAN
- SY10-3 **Retinoid receptors and metabolism in endocrine disruption.**
Helen Håkansson. The Institute of Environmental Medicine, Karolinska Institute, Stockholm. SWE
- SY10-4 **Reprogramming of DNA methylation during mammalian development and impact of Endocrine Disruptors.**
Michael Weber. Institute of Molecular Genetics CNRS., FRA
- SY10-5 **Criteria for the interpretation of reproductive and endocrine effects detected in regulatory guideline studies.**
Roland Solecki. Bfr, Berlin., DEU

21 July 10:30 SY11 **Genotoxicity testing: for impurities in drugs.**
Ricard Marcos. Autonomous University of Barcelona; Nicolas Fabre (Noscira). ESP

- SY11 **Threshold for Toxicological Concern (TTC) and impurities.**
. Hoffmann-La Roche, Basel. CHE
- 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**
Krista Dobo. Genotoxicologist at Pfizer, Groton. USA
- SY11-3 **Update on (write the name or regulation or harmonization) ICH S2A, S2B: A new regulatory scenario? New models?**
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

21 July 10:30 SY12 **Risk Assessment of Herbal Medicines and Botanical Supplements (similar, but still different!)**
Olavi Pelkonen. Dept Pharmacol & Toxicol, University of Oulu. FIN

- SY12-1 **Herbals and botanicals in the grey area between medicines and nutrition: scientific and regulatory challenges**

Gert Laekeman. Katholieke Universiteit Leuven. Leuven., BEL

- SY12-2 **A huge number of mixtures and substances: how to deal with them?**
Ivonne Rietjens. Wageningen University, Section of Toxicology. Wageningen.. NLD
- SY12-3 **Safety concerns vs long-term experience – role of preclinical and clinical testing**
Zu-Guang Ye. State Research Center for R&D of TCM Multiingredient drug, Chinese Academy of TCM, Beijing, CHN
- SY12-4 **Compability risks between drugs and herbal medicines or botanical supplements**
Ashim K. Mitra. School of Pharmacy. University of Missouri-Kansas City. USA
- SY12-5 **Toxicity risk assessment of herbal medicines and botanical supplements – harmonization or divergence?**
Joanne Barnes. School of Pharmacy. University of Auckland.. NZL

21 July 16:30

SY13

Drugs of Abuse-The things you didn't know

Donna Seger. Vanderbilt University Medical Center. Nashville TN. USA

- 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

Glia-Neuron Interactions in Neurotoxicology

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

- SY14-1 **Glial activation and the neuronal glutamatergic system, a dangerous liaison.**
Barbara Viviani. Università degli Studi di Milano. ITA
- SY14-2 **Ethanol activates IL-1RI/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 <i>Benoit Schilter. Nestlé Research Center, LAUSANNE. CHE</i>
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- 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**
Alfred Studer. Nestec SA – Nestlé Research Center, Lausanne. CHE
- SY15-3 **Role of genetic and epigenetic mechanisms in furan toxicity**
. University of Birmingham. GBR
- SY15-4 **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 <i>Joan-Albert Vericat. jvericat@noscira.com.</i>
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- SY16-1 **Description of X-omics Technologies ready to us.**
Pending. . CHE
- SY16-2 **Making decisions in early drug development.**
Pending. . USA
- SY16-3 **Integration of X-Omics data in the decision making process in Drug Development. The Melius Consortium.**
Pending. . ESP
- SY16-4 **EMA's position in the use of X-Omics in regulatory studies**
Pending. .
- SY16-5 **FDA's position in the use of X-Omics in regulatory studies**
Pending. . USA

22 July	10:30	SY17	Contribution of biological monitoring to occupational risk assessment <i>Maurizio Manno. niversity of Naples Federico II., ITA</i>
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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**
Donald A. Fox. University of Houston. USA

- SY18-1 **Screening for Developmental Neurotoxicity: Past and Future (short introduction)**
Kevin M. Crofton. US Environmental Protection Agency. USA
- SY18-2 **High-Throughput for Screening Methods for Developmental Neurotoxicity: In Vitro**
Cristina Suñol. Institut d'Investigacions Biomèdiques de Barcelona. CSIC-IDIBAPS. CIBER Epidemiología y Salud Pública. Barcelona. ESP
- SY18-3 **Alternative Species: medaka**
Emilie Barbeau. L'Oreal, Paris. FRA
- SY18-4 **Human neurospheres as three-dimensional cellular systems for developmental neurotoxicity testing**
Ellen Fritsche. Institut für umweltmedizinische Forschung gGmbH, Düsseldorf. DEU
- SY18-5 **Risk Analysis and Policy Implications of High-Throughput Methods for Developmental Neurotoxicity**
Ryozo Tsuji. Sumitomo Chemical. JPN

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.**
José MANAUTOU. University of 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**
Mary GULUMIAN. Toxicology and Biochemistry Section NIOH, Johannesburg.. ZAF
- 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	<p>New insights into acetaminophen toxicity <i>Simon Thomas. Newcastle University.. GBR</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>
		SY21-2	<p>Toxicity of acetaminophen in therapeutic doses <i>Paul B. Watkins. , University of North Carolina , Chapel Hill, NC.. USA</i></p>
		SY21-3	<p>Identification of patients at risk of hepatotoxicity <i>Marco Sivilotti. Department of Emergency Medicine, Queen's UniversityKingston, Ontario.. CAN</i></p>
		SY21-4	<p>Identification of patients at risk of adverse effects from acetaminophen antidotes <i>Lars E. Schmidt. Department of Hepatology Rigshospitalet, Copenhagen. DNK</i></p>
		SY21-5	<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>Transcription factor crosstalk in xenobiotic induced adverse effects <i>Charlotte Esser. Institut für Umweltmedizinische Forschung. Düsseldorf. DEU</i></p>
		SY22-1	<p>Cross-talk between xenobiotic detoxication and other signalling pathways <i>Marie-Jose Vilarem. Université de Montpellier.. FRA</i></p>
		SY22-2	<p>Endo and xenobiotic crosstalk and the regulation of cytochromes P450 <i>Urs A. Meyer. Neurobiology. Biozentrum of the University of Basel.. CHE</i></p>
		SY22-3	<p>Molecular interactions of the aryl hydrocarbon receptor and its biological and toxicological relevance for reproduction. <i>Paola Pocar. Faculty of Medicine, Martin Luther University Halle-Wittenberg, Halle (Saale).. DEU</i></p>
22 July	16:30	SY23	<p>In Silico Toxicology and Chemoinformatics <i>Luis G. Valerio, Jr. US Food and Drug Administration.. USA</i></p>
		SY23-1	<p>Role of the European Commission's Joint Research Centre in Computational Toxicology <i>Andrew Worth. European Commission – Joint Research Centre, Ispra.. EUR</i></p>
		SY23-2	<p>BioEpisteme – an in silico approach to predict and understand the underlying molecular mechanisms contributing to toxicity responses <i>Antonio Valencia. Prous Institute for Biomedical Research, Barcelona.. ESP</i></p>
		SY23-3	<p>A knowledge-based approach to the in silico prediction of complex toxicological endpoints <i>Carol A. Marchant. Lhasa Limited.. GBR</i></p>
		SY23-4	<p>In silico toxicology: predictive methods and applied regulatory research at the US FDA Center for Drug Evaluation and Research <i>Luis G. Valerio, Jr.. US FDA. USA</i></p>
		SY23-5	<p>In silico approaches, and in vitro and in vivo mutagenicity assays: implications for regulatory issues</p>

Romualdo Benigni. Istituto Superiore di Sanita',. ITA

22 July	16:30	SY24	Immunotoxicology: From models to humans <i>Dori Germolec. NIEHS, USA</i>
		SY24-1	Overview of alternative methods in immunotoxicology <i>E. Corsini. University of Milan, . ITA</i>
		SY24-2	Toll-like receptor ligands, cytokines profiling and local lymph node assay in immunotoxicity by chemical allergens <i>Ian Kimber. Faculty of Life Sciences, University of Manchester. GBR</i>
		SY24-3	Immunotoxic effects of perfluorinated compounds in experimental animals <i>J. Dai. Institute of Zoology, Chinese Academy of Sciences, Beijing, . CHN</i>
		SY24-4	Evidence of PFOS' immunotoxicity in humans. <i>D. Germolec. NIOSH, USA, . USA</i>
		SY24-5	Developmental immunotoxicity of metals. <i>RR. Dietert. College of Veterinary Medicine, Cornell University, Ithaca. USA</i>
23 July	10:30	SY25	The changing face of clinical toxicology <i>Martin Wilks. Syngenta Crop Protection AG, . GBR</i>
		SY25-1	Is fundamental research in toxicology being translated into clinical practice? <i>Peter Meier-Abt. University of Basel, Basel. CHE</i>
		SY25-2	Evidence base for the treatment of poisonings <i>Nick Buckley. POW Hospital, Clinical School, University of NSW, Randwick, . AUS</i>
		SY25-3	Can we define severity criteria for the common cardiotropic drugs taken in overdose? <i>Bruno Megarbane. Hopital Lariboisière, Paris, . FRA</i>
		SY25-4	Challenges in discovery and development of antidotes <i>George Orphanides. Director of Discovery Medicine, AstraZeneca plc, Alderley Park, . GBR</i>
		SY25-5	New approaches of treatment in Paraquat poisoning <i>Sae-Yong Hong. Department of Internal Medicine, Soonchunhyang University, Cheonan Hospital. Cheonan. KOR</i>
23 July	10:30	SY26	Detoxication and susceptibility to anticholinesterase pesticides <i>Ramesh C. Gupta. Murray State University. USA</i>
		SY26-1	Role of Albumin in the detoxification of organophosphorus and Carbamate Pesticides <i>Miguel Angel Sogorb. Universidad Miguel Hernandez. ESP</i>

- SY26-2 **Human paraoxonase in pre-treatment and therapy of anticholinesterase pesticides poisoning**
Patrick Masson. Centre de Recherche du Service de Santé des Armées, La Tronche. FRA
- SY26-3 **Variation in human liver enzymes involved in pesticide metabolism**
Eseltein Mutch. Toxicology Unit, Clinical and Laboratory Sciences, The University of Newcastle, Newcastle upon Tyne. GBR
- SY26-4 **Genetic variability factors in human susceptibility to organophosphorus compounds**
Clement E. Furlong. University of Washington, Seattle WA 98159.. USA
- SY26-4 **AhR, insulin, JNK-pathway interactions and cell plasticity**
Robert Barouki. Inserm UMR-S490, Université René Descartes,. FRA
- SY26-5 **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

- SY27-1 **Brominated Flame Retardants: Past, Future, and Regulations**
Linda Birnbaum. NIEHS. USA
- SY27-2 **Hexabromocyclododecane (HBCD) Complex Chemistry: Detection and Analytical Methods.**
Adrian Covaci. University of Antwerp. BEL
- SY27-3 **HBCD levels in the Environment, Biota and Humans: Stereoisomeric paradox.**
Rob J. Letcher. Environment Canada, Ottawa. CAN
- SY27-4 **Toxicity of HBCD**
Van den Ven. National Institute of Public Health and the Environment. NLD
- SY27-5 **Different Stereoisomers do Different Things!**
David Szabo. University of North Carolina Chapel Hill, NC. USA

23 July 10:30 SY28 **Combined Exposures to Multiple Chemicals in Risk Assessment: A Pragmatic Approach**
Bette Meek. McLaughlin Centre for Population Health Risk Assessment University of Ottawa,. CAN

- SY28-1 **Considering Combined Exposures in Risk Assessment: Recent Developments, Opportunities and Challenges**
Bette Meek. McLaughlin Centre for Population Health Risk Assessment. University of Ottawa,. CAN
- SY28-2 **Illustration of the WHO Combined Exposures Framework: A tiered and integrative approach to exposure and hazard**
Marcel T.M. van Raaij. Centre for Substances and Integrated Risk Assessment (SIR). National Institute for Public Health and the Environment (RIVM).. NLD
- SY28-3 **WHO Framework Case Study: Carbamates***
Elizabeth Shipp. Bayer CropScience. Sophia Antipolis. FRA

- SY28-4 **Exploration of the Use of the Threshold of Toxicological Concern (TTC) and consideration of synergy for combined exposures**
Alan R. Boobis. Imperial College London, United Kingdom. GBR
- SY28-5 **Trends and developments in the risk assessment of chemical mixtures in food**
Djien Liem. European Food Safety Authority. ITA

INFORMATIVE SESSIONS

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

20 July	13:00	P01	Poster Sessions day 1 (Human, Clinical, Occupational, Human biomonitoring, epidemiological, Environmental health, Ecotoxicity, Food Safety, other) ..
21 July	13:00	PO2	Poster Sessions day 2 (Target Organ toxicity, mutagenicity, carcinogenicity, reproduction-development, Immunotoxicity, in vitro methods, mechanistic, biotransformation, other) ..
22 July	13:00	PO3	Poster Session day 3 (Relevanty substances, nanotoxicology, metals, pesticides, industrial contaminants, drugs development, cosmetics, biotoxins, analytical, regulatory, testing, forensic, educational, risk management, QSAR, other) ..
