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IUTOX 2010
BARCELONA

XII International Congress of Toxicology

Barcelona-Spain 19-23 July 2010



INTERNATIONAL UNION OF TOXICOLOGY



Spanish Association of Toxicology



Federation of European Toxicologists &
European Societies of Toxicology



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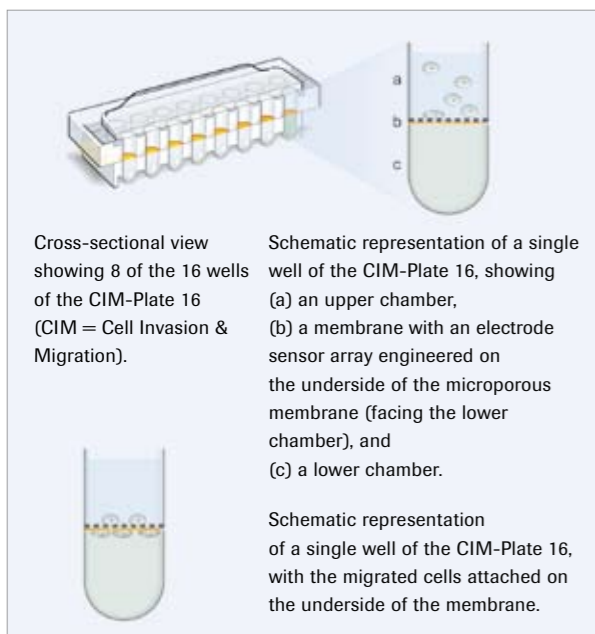
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Cross-sectional view showing 8 of the 16 wells of the CIM-Plate 16 (CIM = Cell Invasion & Migration).

Schematic representation of a single well of the CIM-Plate 16, showing (a) an upper chamber, (b) a membrane with an electrode sensor array engineered on the underside of the microporous membrane (facing the lower chamber), and (c) a lower chamber.

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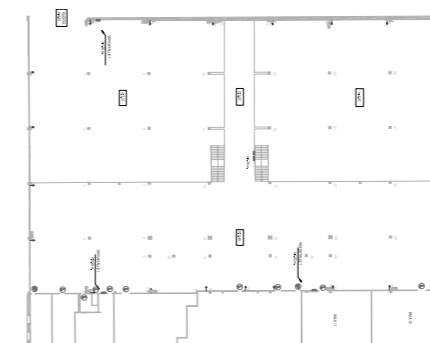
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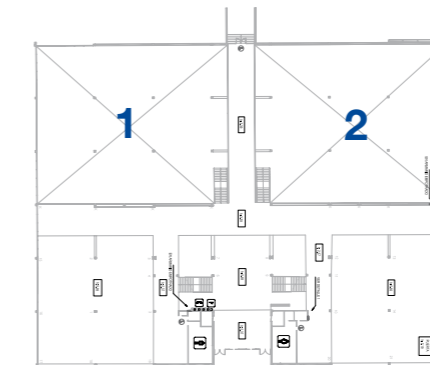


VENUE



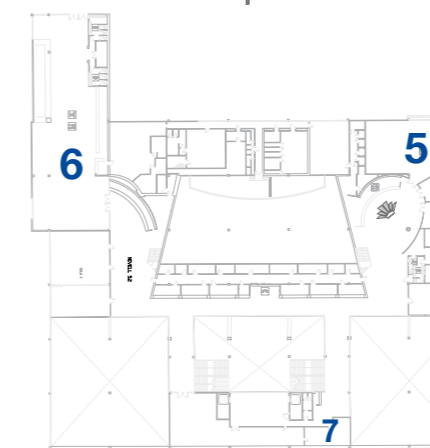
LEVEL 0

EXHIBITORS
LUNCH
COFFEE BREAK
POSTER AREA



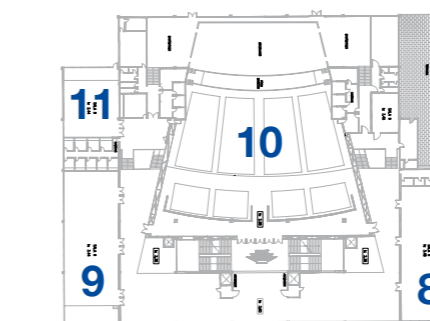
LEVEL 1

1- ROOM 13
2- SECRETARIAT



LEVEL 2

3- ROOM 1
4- ROOM 2 (SPEAKERS ROOM)
5- ROOM 3
6- ROOM 4
7- ROOM 10



LEVEL 3

8- ROOM 5
9- ROOM 6
10- ROOM 7
11- ROOM 8



General Summary TIMETABLE of the Congress

This distribution is only tentative and might suffer some changes. Final timetable will be published in June 2010

	Monday 19 July	Tuesday 20 July	Wednesday 21 July	Thursday 22 July	Friday 23 July
8:05		Subcommittees meetings	Subcommittees meetings EUROTOX Individual Member meeting ROOM 1	8:00	Subcommittees meetings
09:00	Registration (all day)	Bo Holmstedt Memorial Lecture Ian Kimber, GBR Auditorium R7	ILSI-HESI Lecture Soterios Kyrtopoulos, GRK	09:00	Plenary Lecture Jose Vicente Castell, ESP
10:00		Coffee	Coffee / Sponsored by Ricerca Biosciences, LLC	10:00	Coffee
10:30	Courses	SY01 Toxicosurveillance- Current status and future prospects / ROOM 7	SY09 Individual susceptibility to environmental and occupation exposure / ROOM 13	10:30	SY17 Contribution of biological monitoring to occupational risk assessment / ROOM 6
	Exhibitors prep.	SY02 Sensory Systems as Toxicity Targets / ROOM 5	SY10 Endocrine disruptors: effects on reproduction and development / ROOM 6		SY18 Developmental Neurotoxicity Testing in the 21st Century: High-Throughput Screening Methods / ROOM 13
13:00	Meetings	SY03 Safe Nanotechnologies - A Challenge for the Future / ROOM 6	SY11 Genotoxicity testing: for impurities in drugs / ROOM 7	13:00	SY19 New trends in Food Safety / ROOM 5 Partly sponsored by European Food Safety Authority
		SY04 The diet in colon cancer development / ROOM 13	SY12 Drugs of Abuse-The things you didn't know / ROOM 5		SY20 In Silico Toxicology / ROOM 7 Sponsored by Prous Institute Biomedical Science
13:00		Poster Session 1 Sub.Com-Meetings	Poster Session 2 EUROTOX Business Council Meeting ROOM 3	13:00	Poster Session 3 IUTOX General Assembly ROOM 3
15:00		Exhibition Lunch	Exhibition Lunch	15:00	Exhibition Lunch
15:00		(14:30-16:00) W1. EU Research Initiatives in Environment and Health (Sponsored by European Commission, Research DG) ROOM 13	13:00-14:00) W8 Informative Workshop on animal experimentation. (Sponsored by AAALAC Internat.) ROOM 5	15:00	(15:00-16:00) W8. Special REMA-ECOPA workshop on global effect and use of alternative methods under REACH (With the collaboration of REMA, ECOPA, ECVAM, ICVAM, JACVAM, COLIPA) ROOM 6
		(15:00-16:00) II Reunión de la Red Iberoamericana de Toxicología y Seguridad Química (RITSQ) ROOM 8	(14:30-16:00) W4 Informative Workshop. From Carcinogenicity to Metabolomic – Challenges in Regulatory Toxicology process (Sponsored by BASF) ROOM 5		Accomplishments and Challenges in Global Chemicals Policy. Chair: Philip Wexler, US National Library of Medicine ROOM 13
		(15:00-16:00) W2. Round Table on publication in Toxicology (with the collaboration of Editors of Journals) ROOM 6	(14:30-16:00) W5 Informative Workshop. Label-Free Testing for Embryotoxicity, and Hepatic Cell and Cardiomyocyte Cytotoxicity (Sponsored by ROCHE) ROOM 6	16:00	
16:00		(14:30-16:00) W3. Informative session about TRISK (European project on risk assessment training) ROOM 5	(14:00-15:00) W6 MARMOSET as model (Sponsored by RTC) ROOM 8	16:00	
16:00		Coffee	Coffee	16:00	
16:30		SY05 Biomarkers and Molecular Mechanisms in Pesticide Toxicity / ROOM 7	SY13 Risk Assessment of Herbal Medicines and Botanical Supplements (similar, but still different!) / ROOM 7	16:30	SY21 New insights into acetaminophen toxicity / ROOM 7
		SY06 Effects of climate change on human health - special focus on contaminants / ROOM 6	SY14 Glia-Neuron Interactions in Neurotoxicology / ROOM 5		SY22 MicroRNA Malefactors: role in chemically-induced toxicity / ROOM 5 Sponsored by LRI - GEFIC (Long Range Research Initiative - The European Chemical Industry Council)
18:00	Opening Ceremony Auditorium (R7)	SY07 New Developments in Pulmonary Carcinogenesis / ROOM 13	SY15 Toxicity and risk assessment of heat-treatment formed products / ROOM 13	18:00	SY23 Education and chemical safety in developing countries / ROOM 6
	Deichmann Lecture Manel Esteller, ESP	SY08 Genetic polymorphism and drug metabolizing enzymes / ROOM 5 (18.30) Asamblea AETOX / ROOM 8	SY16 Integration of genomics, proteomics and metabolomics technologies in drug safety assessment / ROOM 6		SY24 Immunotoxicology: From models to humans / ROOM 13
20:00	Welcome reception			20:30	Congress Dinner
					Closing Ceremony / ROOM 3



SCIENTIFIC PROGRAM

19 July, Monday

Continuous Educational Course

- 10:00-17:00
- CEC-1 Individual susceptibility and biomarkers in occupational toxicology / ROOM 3**
Chairs: **Fernando Gil**
Antonio F. Hernández. *Univ. Granada*
- Development, validation and application of biomarkers in occupational toxicology**
Fernando Gil. *Granada. Spain*
- Biomarkers of exposure and susceptibility to pesticides and other xenobiotics**
Aristidis Tsatsakis and **Vasilis Androustopoulos.** *Greek*
- Ethical, legal and social concerns in the use of biomarkers in medical surveillance**
J.A. Lorente. *Spain*
- Role of genetic polymorphisms of xenobiotic-metabolising enzymes in occupational health. Relevance in occupational cancer**
Antonio F. Hernández. *Granada. Spain*
- Biomonitoring for acute, occupational and low level exposures in risk assessment**
Jyrki Liesivuori. *Finland*
- CYP450s phenotype-genotype correlations and potential workplace applications**
Elain Mutch. *GBR*
- CEC-2 Regulatory toxicology and risk assessment processes for preventative and therapeutic vaccine development / ROOM 4**
Chairs: **Lawrence Segal.** *GSK Biologicals, Wavre, Belgium*
Sarah Gould. *Sanofi Pasteur, Marcy L'Etoile, France*
Sponsored by Sanofi Pasteur and GSK Biologicals
- Overview of global (FDA, EMEA, WHO, Japan) regulatory toxicology requirements for vaccines and immunostimulants**
Marion Gruber. *US FDA, CBER, USA*
Yuansheng Sun. *Paul-Ehrlich Institut, Federal Agency for Vaccines and Biomedicines, Germany*
Mineo Matsumoto. *Office of Biologics, PMDA, Japan*
- Single dose, local tolerance, repeated dose, safety pharmacology, biodistribution and integration study designs for vaccines**
Roy Forster. *CIT, Evreux, France*
- Reproductive toxicity and fertility study designs for vaccines**
Paul Barrow. *Ricerca Biosciences, Saint Germain sur l'Arbresle, France*
- Hypersensitivity and autoimmunity**
Marc Pallardy. *INSERM 996, Faculte de Pharmacie, Universite de Paris-Sud 11, France*
- Environmental Assessment of GMO vaccine antigens and the safety evaluation of residuals, contaminants, and extractables/leachables.**
André Penninks *(TNO, Netherlands)*

- CEC-3 In vitro test of teratogenicity: a practical approach**
Chairs: **Marta Barenys.** *GRET-CERETOX group, Toxicology Unit, School of Pharmacy, Public Health Department, University of Barcelona*
Joaquín de Lapuente. *GRET-CERETOX group, Experimental Toxicology and Ecotoxicology Unit, Barcelona Science Park*
Organized by GRET CERETOX (UB/PCB)

Teratogeny and embryotoxicity: state of the art
Miquel Borràs

Teratogeny preliminary evaluation. In vitro screening tests
Burkhard Flick

Practical session I: Whole Embryo Culture and Fish Embryo Test with Zebrafish
Elisabet Teixidó, Núria Boix, Burkhard Flick and Marta Barenys

Practical session II: Micromass test and Embryonic Stem Cell Test
Lydia Camps, David Ramos, Javier González-Linares and Joaquín de Lapuente

- CEC-4 Evaluation of drugs without animals**
Chairs: **Domingo Gargallo.** *Ferrer International. Toxicology and Safety Pharmacology Barcelona*
Joan Albert Vericat. *Noscira. Madrid. Spain*
With the collaboration of REMA (The Spanish Network of Alternative Methods)

Course localization Ferrer International

Objective: Review the different possibilities today available to reduce the attrition rate during regulatory non-clinical and clinical development. Is there enough information available in early screening to conduct a limited safety assessment? Until which degree animals can be removed from non-clinical development?

Lecture 1: Introduction I: The Regulatory Frame in Non-Clinical Drug: Genetic Toxicology Early Screening
Esperanza Herreros and **Santiago Ferrer.** *In vitro Toxicity and Toxicity, GSK, Madrid*

Lecture 2: Introduction II: The concept of the 3Rs+R2 (= Replacement, Refinement, Reduction + Responsibility in Research); attrition rates and overview of existing non-animal approaches
Joan Albert Vericat. *Noscira. Madrid. Spain*

Lecture 3: Genetic Toxicology Early Screening (30+10 minutes)
Domingo Gargallo. *Ferrer International, Barcelona*

Lecture 4: Metabolism & ADE; (1) Metabolism. (2) ADE & Modeling.
Lourdes Gombau. *Avancell, Barcelona, José Vicente Castell.* *Centro Investigacion, Hospital La Fe, Valencia*

Lecture 5: Need for complexity: Integration in vitro and in vivo activities
Joan Albert Vericat. *Noscira. Madrid. Spain*

Lecture 6: Points of view of Regulatory Authorities
Federico Goodsaid. *US-FDA Pending confirmation*

Final Discussion: Open discussion and take home messages



CEC-6 Online Internet sources of toxicological information: a practical course palmtop computer with wifi is needed)

Course localization:

School of Pharmacy, University of Barcelona (Building B)
Av. Joan XXIII s/n. Barcelona. 08028

Objective: Toxicology Information Online: A Practical Course on Web-based Resources

Instructors:

Guillermo Repetto. *National Institute of Toxicology and Forensic Sciences, Sevilla, Spain*
Philip Wexler. *Toxicology and Environmental Health Information Program, National Library of Medicine, USA*

Agenda:

1. Introduction & NLM Toxicology Information Resources
2. Practical Exercises Searching NLM Resources
3. Other Toxicology Information Resources (e.g. from US EPA, NIEHS, Spanish resources etc.)
4. Practical Exercises Searching Other Resources
5. Consolidating Resources (e.g. ECHA, ESIS, BuscaTox, eChemPortal, World Library)
6. Practical Exercises Searching Consolidating Resources; Questions; Wrap-Up

CEC-7 Animal and in vitro models for the assessment of sensory and nervous toxicities Animal models for neurotoxicity screening, and for auditory and vestibular assessment / ROOM 8

Chair: Jordi Llorens. *PhD, Universitat de Barcelona (Spain)*

Donald A. Fox, PhD, University of Houston (USA). Assessment of retinal and visual system toxicity.

Cristina Suñol. *PhD, Consejo Superior de Investigaciones Científicas (Spain)*

Neuronal culture methods in toxicity assessment.

Kevin M. Crofton. *PhD, United States Environmental Protection Agency. Screening for developmental neurotoxicity.*

Anna K. Price. *PhD, European Commission Joint Research Centre (Italy). Gene expression as a tool for neurotoxicity assessment.*

18:00

Opening Ceremony / ROOM 7

Chairs: Arturo Anadón. *Complutense University, Madrid. ESP*

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

KL01 **Opening Deichmann Lecture**

Epigenetics: The Last Frontier Beyond Genetics

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

20:00

Welcome Reception (in the exhibition Area)

20 July, Tuesday

09.00

KL02

Bo Holmsted Memorial Lecture / ROOM 7

Chairs: Herman Autrup

Corrado Galli. *University of Milan. IT*

KL02

Chemical and Protein Allergy: Progress, Opportunities and Challenges

Iam Kimber. *Faculty Life Sciences. University of Manchester. GBR*

10:00-10:30

Coffe break (in Exhibition Area)

10:30

SY01

Toxicosurveillance- Current status and future prospects / ROOM 7

Chairs: Nickholas Bateman. *University of Edinburgh. GBR*

Hermann Bolt. *IfaDO, Dortmund. DEU*

SY01-1

Toxicosurveillance Spanish Program

Ana Ferrer-Dufol. *Unit of Clinical Toxicology. Clinical Hospital. Zaragoza. ESP*

SY01-2

Practical approaches to toxicosurveillance in Asia.

Andrew Dawson. *Faculty of Medicine, University of Peradeniya. Peradeniya. SRI*

SY01-3

Using epidemiological data to study lethal occupational exposures

David Coggon. *MRC. Epidemiology Resource Centre, University of Southampton. GBR*

SY01-4

Toxicosurveillance using poison center data-streams

Salome Ballesteros. *Servicio Informacion Toxicológica. Madrid*

SY01-5

International collaboration in Toxicosurveillance: a WHO perspective

Tim J Meredith. *International Programme on Chemical Safety. World Health Organization. Geneva. CHE*

10:30

SY02

Sensory Systems as Toxicity Targets / ROOM 5

Chairs: Larry Fechter. *Jerry Pettis Memorial Veterans Medical Center. USA*

Werner Kobel. *ToxAdvice GmbH. SWI*

SY02-1

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. *Institut National de Recherche et de Sécurité. FR*

SY02-2

Toxicity of Nitriles on the Peripheral Vestibular System: Defining New Families of Compounds with "Classic-Type" of Inner Ear Toxicity.

Jordi Llorens. *Universitat de Barcelona. ESP*

SY02-3

Visual Effects of Exposure to Volatile Organic Solvents in an Animal Model

William K. Boyes. *US Environmental Protection Agency. USA*

SY02-4

Chemosensory Effects of Exposure to Volatile Organic Compounds in Humans

Christoph van Thriel. *Leibniz Research Centre for Working Environment and Human Factors at the University of Dortmund. DEU*

SY02-5

Chemical exposure as a risk factor for hearing loss: implications for occupational health

Ann-Christin Johnson. *Karolinska Institute. SWE*



10:30	SY03	Safe Nanotechnologies - A Challenge for the Future / ROOM 6 Chairs: Kai Savolainen. <i>Finnish Institute of Occupational Health, Helsinki. FIN</i> Liliana Saldivar. <i>Universidad Nacional Autónoma de México. MEX</i>
	SY03-1	New Lessons of Safety Challenges of Engineered Nanoparticles - Introduction Kai Savolainen. <i>Finnish Institute of Occupational Health, Helsinki. FIN</i>
	SY03-4	Assessment of Exposure to Nanoparticles in Occupational Setting Gerhard Kasper. <i>Institut für Mechanische Verfahrenstechnik und Mechanik. University of Karlsruhe. DEU</i>
	SY03-2	Causality of Exposure to Engineered Nanoparticles and Their Biological Effects Allison Elder. <i>School of Medicine & Dentistry, University of Rochester, Rochester, NY, USA</i>
	SY03-5	Carbon Nanotubes - Challenges for Assuring Safety of Nanotechnologies Ken Donaldson. <i>MRC Centre for Inflammation Research (CIR). University of Edinburgh. GBR</i>
	SY03-3	Nanotoxicology: Biological effects of manufactured nanoparticles and their health Yuliang Zhao. <i>Institute of High Energy Physcs. Chinese Academy of Science Beijing. CHN</i>

10:30	SY04	The diet in colon cancer development / ROOM 13 Chairs: Dieter Schrenk. <i>Universitat. Kaiserslautern. DEU</i> Pablo Steinberg. <i>University of Veterinary Medicine Hannover. DEU</i>
	SY04-1	In vitro models to study diet-related colon cancer induction and prevention Jenifer I. Fenton. <i>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 Rashmi Sinha. <i>Division of Cancer Epidemiology and Genetics, National Cancer Institute. USA</i>
	SY04-3	The role of folate in colon cancer development Robert Clarke. <i>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 Jan Alexander. <i>Division of Environmental Medicine, Norwegian Institute of Public Health. NOR</i>
	SY09-5	The role of inflammation in colon cancer induced by food contaminants Pablo Steinberg. <i>Institute for Food Toxicology and Analytical Chemistry University of Veterinary Medicine Hannover. DEU</i>

13:00 - 14:30 **SY04 LUNCH (In Exhibition Area)**

13:00-16:00	P1	Poster Sessions day 1 (14:00-15:00) 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
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14:30	W1	EU Research Initiatives in Environment and Health / ROOM 13 Chair: Dr. Tuomo Karjalainen. <i>Scientific Officer. European Commission</i> Sponsored by the European Commission
14:30	W1-1	Introduction: European Union support for research on environment and health issues Tuomo Karjalainen. <i>European Commission, Research Directorate-General</i>
14:45	W1-2	Cancer and the environment: Experience from the EU-funded ENVIROGENOMARKERS, NEWGENERIS and ECNIS projects Soterios Kyrtopoulos. <i>National Hellenic Research Foundation, Greece</i>
15:00	W1-3	Exposure to nanomaterials and possible impacts: Experience from the EU-funded NANODEVICE. NANOIMPACTNET and HINAMOX projects Kai Savolainen. <i>Finnish Institute of Occupational Health</i>
15:15	W1-4	Mixture toxicity of chemicals: Experience from the EU-funded CREDO and NECTAR clusters of projects Andreas Kortenkamp. <i>University of London School of Pharmacy</i>
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. <i>European Commission, Research Directorate-General</i>

15:00	W2	Round Table on "Publication in Toxicology" / ROOM 6 Chair: Hermann Bolt <i>(IfaDO, Dortmund, DEU)</i> With the collaboration of journal Editors 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)
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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.



14:30	W3	<p>TRISK. Risk Assessor training: ensuring availability of highly qualified professionals (Informative session) Chair: Corrado Galli and Takis Daskaleros. TRISK project.</p> <p>Welcome & General Overview of TRISK Corrado L. Galli</p> <p>Fundamentals and key aspects of TRISK Emanuela Corsini</p> <p>Benefits of European Risk Assessment Accreditation – Helen Hakansson</p> <p>Lessons learnt of risk assessment training – Carmen Estevan (TRISK trainee)</p> <p>The reaction of industry stakeholders – Giuseppe Malinverno</p> <p>EFSA Journal: a source of high quality risk assessments – Carola Sondermann</p>
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15:00-16:00	<p>II REUNIÓN DE LA RED IBEROAMERICANA DE TOXICOLOGÍA Y SEGURIDAD QUÍMICA (RITSQ) / ROOM 8 Coordinador/Chair: Eduardo de la Peña de Torres. Consejo Superior de Investigaciones Científicas. España</p> <p>Participantes/Participants:</p> <ol style="list-style-type: none"> Silvia Barros. Universidad de São Paulo. Brasil Gerardo D. Castro. CITEFA. Argentina Raquel Alarcón. Universidad de Almería. España Liliana Saldivar. Universidad Nacional de México Guillermo Repetto. Universidad San Pablo de Olavide. España Myrian Gutierrez, Nancy Patiño. Universidad Nacional de Colombia Patricia Escalante Galindo, Centro Toxicológico, Hospital Juárez de México Mª Carmen Riva. (CRIT) Universidad Politécnica de Cataluña. España Araceli Pillco. Universidad Mayor de San Andrés. Bolivia Nelly Mañay. Universidad de la República de Uruguay Carlos Augusto Mello-da-Silva. Centro de Informação Toxicológica. Brasil Mª Fernanda Cavieres. Universidad de Valparaiso. Chile Eugenio Vilanova. Universidad de Alicante. España Manuel Repetto. Magister Internacional en Toxicología Colegio Oficial de Químicos de Sevilla. España Guillermina Font. Universidad de Valencia. España <p>The aim of this meeting is to present the existing collaborating activities and agreements. To Discuss about future coordinated plans with Iberoamerica on formation as well as on research: It is an open meeting and any concern or suggestion on the RITSQ will be more than welcome.</p> <p>El objetivo de la reunión es exponer las actividades, y convenios de colaboración existentes. Dialogar sobre la planificación de futuras colaboraciones con Iberoamérica tanto de formación como en investigación. La reunión es abierta y cualquier inquietud o sugerencia sobre la RITSQ será bienvenida.</p>	
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16:00-16:30	<p>Coffe break (in Exhibition Area)</p>	
16:30	SY05	<p>Biomarkers and Molecular Mechanisms in Pesticide Toxicity / ROOM 7 Chairs: Arturo Anadón. Complutense University. Madrid. SPN Sameeh A. Mansour. National Research Centre. EGP</p> <p>SY05-1 In Vivo Biomarkers of Neurotoxicity Induced by Organophosphates and Carbamates Ramesh C. Gupta. Murray State University. USA</p> <p>SY05-2 Plasma β-glucuronidase as an alternative biomarker to cholinesterase for organophosphate exposure Tetsuo Satoh. Chiba University. JPN</p> <p>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</p> <p>SY05-4 Effects of organophosphate exposure on male reproductive outcomes B. Quintanilla-Vega. Departamento de Toxicología, CINVESTAV, Zacatenco, Mexico DF. MEX</p>

16:30	SY06	<p>Effects of climate change on human health - special focus on contaminants / ROOM 6 Chairs: Arja Rautio. University of Oulu. FIN José Mª Llober. Universidad de Barcelona. ESP</p> <p>SY06-1 Climate change, contaminant and Alaska native health James E. Berner. Alaska Native Tribal Health Consortium, Anchorage, Alaska. USA</p> <p>SY06-4 Climate change, contaminants and human health in Arctic Russia Valery P. Chaschin. Mechnikov Medical Academy, Moscow. RUS</p> <p>SY06-2 Human health in the context of changing ecosystems and environment Arja Rautio. University of Oulu. FIN</p> <p>SY06-3 The North - South dimension –are the effects of climate change equal in the South and North? Jon Oving Odland. University of Tromso. NOR</p> <p>SY06-5 The environmental health and contaminants in South Africa Halina. B. Röllin. South African Medical Research Council (abstract in P308-047)</p>
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- 16:30** **SY07** **New Developments in Pulmonary Carcinogenesis / ROOM 13**
Chairs: Heidi Foth. *University of Halle, Germany (GT). DEU*
Lewis Smith. *Syngenta. UK*
- SY07-1 **Deregulated EGFR Signaling during Lung Cancer Progression**
Adi Gazdar. *University of Texas Southwestern Medical Center, Dallas. USA*
- SY07-2 **Pattern of in vitro stress response of lung cells from lung cancer cases**
Heidi Foth. *University of Halle, Germany (President of the German Society of Toxicology (GT). DEU*
- SY07-3 **Transgenic and Smoke-Induced Rodent Lung Cancer Models**
Hans-Juergen Haussmann. *Toxicology Consultant, Roesrath. DEU*
- SY07-4 **Changes of the genome DNA methylation in the progress of benzo[a]pyrene-induced transformation**
Zhixiong Zhuang. *ShenZhen Center for Disease Control and Prevention. CHI (Short communication) (abstract in P203-030)*

- 16:30** **SY08** **Genetic polymorphism and drug metabolizing enzymes / ROOM 5**
Chairs: Edmund Maser. *Institute of Toxicology and Pharmacology, Univ. Med. School Schleswig-Holstein, Kiel. DEU*
María Aránzazu Martínez. *Universidad Complutense de Madrid. ESP*
- SY08-2 **Carbonyl Reductases/Steroid Dehydrogenases: Biology, Classification and Implication in Drug Metabolism and Detoxification**
Edmund Maser. *Institute of Toxicology and Pharmacology, Univ. Med. Sch. Schleswig-Holstein, Kiel. DEU*
- SY08-3 **Metabolic activation of PAHs by aldo-keto reductases**
Trevor M. Penning. *Philadelphia. USA*
- SY08-4 **Epoxide hydrolases: structure, function, mechanism and toxicological implication**
Michael Arand. *Zurich. CHE*
- SY08-5 **Urinary 1-OHP levels in children are modulated by cyp1a1*2c, cyp1b1*3, gstm1*0 and nqo1*2 polymorphisms**
M. Sánchez-Guerra. *CINVESTAV-IPN, México (Short communication) (Abstract in P107-006)*

18:30 **Asamblea AETOX**

21 July, Wednesday

- 8:00** **Eurotox Individual Member Meeting / ROOM 1**
- 9:00** **KL03** **ILSI-HESI Lecture / ROOM 7**
Chairs: Leisivuori Jyrki
Michael P. Holsapple
- KL03 **Mechanism-based environmental health research in the age of genomics Soterios Kyrtopoulos.** *National Hellenic Research Foundation. GRC*
- 10:00-10:30** **Coffe break (in Exhibition Area)**
Sponsored by Ricerca Biosciences, LLC
- 10:30** **SY09** **Individual susceptibility to environmental and occupation exposure / ROOM 13**
Chairs: Nursen Basaran. *Hacettepe University Faculty of Pharmacy, Ankara. TR*
Ruth Roberts. *AstraZeneca. UK. GBR*
- 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 Vernezuela, 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*



10:30	SY10	Endocrine disrupters: effects on reproduction and development / ROOM 6 Chairs: Anunciación Lafuente . <i>Lab. of Toxicology, University of Vigo. ESP</i> Elaine Faustman . <i>Institute for Risk Analysis & Risk Communicationreceives. WA. USA</i>
	SY10-1	Steroid hormone receptors and metabolism in endocrine disruption. Sari Mäkelä . <i>Functional Foods Forum. University of Turku. FIN</i>
	SY10-2	Retinoid receptors and metabolism in endocrine disruption. Helen Håkansson . <i>The Institute of Environmental Medicine, Karolinska Institute, Stockholm. SWE</i>
	SY10-3	Reprogramming of DNA methylation during mammalian development and impact of Endocrine Disruptors. Michael Weber . <i>Institute of Molecular Genetics CNRS. FRA</i>
	SY10-4	Criteria for the interpretation of reproductive and endocrine effects detected in regulatory guideline studies. Roland Solecki . <i>Bfr, Berlin. DEU</i>
	SY10-5	Delineation of Persistent Organic Pollutant effects in human: cellular and clinical studies Robert Barouki . <i>Université René Descartes. Paris. FRA</i>

10:30	SY11	Genotoxicity testing: for impurities in drugs / ROOM 7 Chairs: Ricard Marcos . <i>Autonomous University of Barcelona</i> Bárbara Hales . <i>McGill University. Canada</i>
	SY11-1	Genotoxicity assessment in early drug development: identification, new models and strategies Jacky Van Gompel . <i>Genotoxicology and in vitro toxicology of J&J Pharma. BEL</i>
	SY11-2	Genotoxicological qualification of impurities in the pharmaceutical industry Michelle Kenyon . <i>Genotoxicologist at Pfizer, Groton. USA</i>
	SY11-3	Genotoxicity testing of pharmaceuticals: An update on changing regulatory guidances Peter Kasper . <i>German Regulatory Agency Bfarm. DEU</i>
	SY11-4	Future approaches to genotoxicity testing for drugs and impurities David Tweats . <i>Genetic toxicology, Sweansea University, Wales. GBR</i>
	SY11-5	Threshold for Toxicological Concern (TTC) and impurities Lutz Müller . <i>Hoffmann-La Roche, Basel. CHE</i>

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

13:00-14:30 Lunch (in Exhibition Area)

13:00 - 17:30 Eurotox Business Council Meeting

13:00- 16:00	P2	Poster Sessions day 2. (14:00-15:00 Author present)
		P201 - IN VITRO TESTING METHODS P202 - MUTAGENICITY-GENOTOXICITY P203 - CARCINOGENICITY P204 - REPRODUCTION AND DEVELOPMENT P205 - IMMUNOTOXICITY P206 - TARGET ORGAN TOXICITY: HEPATOTOXICITY P207 - TARGET ORGAN TOXICITY: NEUROTOXICITY P208 - TARGET ORGAN TOXICITY: OTHER

13:00-14:00	W4	The laboratory animal : a key player in toxicological sciences / ROOM 5 Chair: Javier Guillén 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 Javier Guillén . <i>Senior Director and Director of European Activities. AAALAC International</i>
		Benefits in Toxicology from peer reviews of animal care and use programs Peter Clausing . <i>Senior Toxicologist. Council on Accreditation AAALAC International</i>

14.00 **The MARMOSET as a model for the evaluation of novel pharmaceuticals and biotechnology - derived products / ROOM 8**
Sponsored by RTC



14:30-16:00 W4 Informative Workshop From Carcinogenicity to Metabolomic – Challances in Regulatory Toxicology process / ROOM 6
Sponsored by **BASF**

1. Metabolomics: A tool for early identification of toxicological effects and an opportunity for biology based chemical grouping under REACH
Bennard van Ravenzwaay

2. Mode of action: CAR-mediated rodent-specific hepatocarcinogenicity
Naveed Honarvar

3. Pathology Working Group: A scientific solution for conflicting pathological datasets
Sibylle Gröters

14:30-16:00 W5 Label-Free Testing for Embryotoxicity, and Hepatic Cell and Cardiomyocyte Cytotoxicity / ROOM 6
Sponsored by **ROCHE**

Identification of embryotoxic effects of the marine biotoxin okadaic acid using different murine embryonic stem cells
Alfonso Lampen. Department Food Safety. Federal Institute for Risk Assessment. Berlin

Screening of Cardiotoxic and Pro-Arhythmic Compounds Using Stem Cell-Derived Cardiomyocytes with the xCELLigence RTCA Cardio System
Yama A. Abassi, ACEA, Cell Biology and Assay Development

16:00-16:30 Coffe break (in Exhibition Area)

16:30 SY13 Risk Assessment of Herbal Medicines and Botanical Supplements (similar, but still different!) / ROOM 7
Chairs: **Mumtaz Iscan.** Vanderbilt University Medical Center. Nashville TN. USA
Manuel Repetto. Magister Internacional en Toxicología Colegio. ESP

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?**
Mª da Graça Campos. Faculty of Pharmacy. Universidade de Coimbra Azinhaga de Sta Comba Coimbra. Portugal

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 **Compability risks between drugs and herbal medicines or botanical supplements**
Ashim K. Mitra. School of Pharmacy. University of Missouri-Kansas City. USA

16:30 SY14 Glia-Neuron Interactions in Neurotoxicology / ROOM 5
Chairs: **Marina Guizzetti.** University of Washington, Seattle, WA. USA
Hoonjeong Kwon. Seoul National University. Korea

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

16:30 Award Lecture: ICTXII Early Toxicologist Award / ROOM 13
Chair: **Daniel Acosta.** IUTOX President-Elect

AWL **Venom induced consumption coagulopathy – understanding an important manifestation of snake envenoming.**
Geoff K. Isbister. University of Newcastle and Department of Clinical Toxicology and Pharmacology, New South Wales. Australia

17:00 SY15 Toxicity and risk assessment of heat-treatment formed products / ROOM 13
Chairs: **Wolfgang Dekant.** Department of Toxicology, University of Würzburg. DEU
María José Ruiz. Universidad de Valencia, ESP

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



- 16:30 SY16 **Integration of genomics, proteomics and metabolomics technologies in drug safety assessment / ROOM 6**
Chairs: **Joan-Albert Vericat**
Yoko Hirabayashi. *National Institute of Health Sciences. JPN*
- 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, Thursday

- 09:00 DEB01 **EUROTOX-SOT Debate / ROOM 7**
Threshold of Toxicological concern(TTC): is based on science or politics?
Chairs: **Nancy Claude**. *Institut de Recherches Internationales Servier. Courbevoie, FRA*
Jon C. Cook. *SOT, Pfizer, INC, Groton, CT. USA*
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*

10:00-10:30 **Coffe break (in Exhibition Area)**

- 10:30 SY17 **Contribution of biological monitoring to occupational risk assessment / ROOM 6**
Chairs: **Maurizio Manno**. *University of Naples Federico II. ITA*
Aristidis Tsatsakis. *University of Crete. Greece*
- 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*



10:30	SY18	Developmental Neurotoxicity Testing in the 21st Century: High-Throughput Screening Methods / ROOM 13 Chairs: Donald A. Fox . <i>University of Houston. USA</i> Guillermo Repetto . <i>Universidad San Pablo de Olavide. ESP</i>
	SY18-1	Screening for Developmental Neurotoxicity: Past and Future Kevin M. Crofton . <i>US Environmental Protection Agency. USA</i>
	SY18-2	Cell-based in vitro Screening Methods for Developmental Neurotoxicity Cristina Suñol . <i>Institut d'Investigacions Biomèdiques de Barcelona. CSIC-IDIBAPS. CIBER Epidemiología y Salud Pública. Barcelona. ESP</i>
	SY18-4	Human neurospheres as three-dimensional cellular systems for developmental neurotoxicity testing Ellen Fritsche . <i>Institut für umweltmedizinische Forschung gGmbH, Düsseldorf. DEU</i>
	SY18-5	Present state analysis and policy direction of high-throughput, methods for developmental neurotoxicity Ryozi Tsuji . <i>Sumitomo Chemical. JPN</i>

10:30	SY19	New trends in Food Safety / ROOM 5 Chairs: Jolanta Gromadzinska . <i>Nofer Institute of occupational. Lod 3. POL</i> Victor Sorribas Partly sponsored by European Food Safety Authority
	SY19-1	Chemical risk assessment : Historical perspectives and current trends Jean Lou Dorne . <i>European Food Safety Authority Parma. ITA</i>
	SY19-2	Molecular mechanistic basis for risk assessment of biotoxins in foods Edmond Creppy . <i>University Bordeaux 2. Toxicology. FRA</i>
	SY19-3	Mycotoxological risks of main European food/feed chains Antonio F. Logrieco . <i>Institute of Sciences of Food Production Research. ITA</i>
	SY19-4	Protective effect of antioxidants against mycotoxins induced cytotoxicity in cells Maria José Ruiz . <i>Facultad de Farmacia, Universidad de Valencia. ESP</i>
	SY19-5	Pesticide risk assessment at the European Food Safety Authority: New developments L. Mohimont . <i>European Food Safety Authority, Parma. ITA</i>

10:30	SY20	In Silico Toxicology / ROOM 7 Chairs: Luis G. Valerio . <i>US Food and Drug Administration. USA</i> Juan María Llober . <i>Universidad de Barcelona. ESP</i> Sponsored by Prous Institute Biomedical Science
Toxicology	SY20-1	Role of the European Commission's Joint Research Centre in Computational Andrew Worth . <i>European Commission – Joint Research Centre, Ispra. EUR</i>
	SY20-2	BioEpisteme – an in silico approach to predict and understand the underlying molecular mechanisms contributing to toxicity responses Antoni Valencia . <i>Prous Institute for Biomedical Research, Barcelona. ESP</i>
	SY20-3	A knowledge-based approach to the in silico assessment of toxicity Carol A. Marchant . <i>Lhasa Limited. GBR</i>
	SY20-4	In silico toxicology: predictive methods and applied regulatory research at the US FDA Center for Drug Evaluation and Research Luis G. Valerio . <i>US FDA. USA</i>
	SY20-5	In silico approaches, and in vitro and in vivo mutagenicity assays: implications for regulatory issues Romualdo Benigni . <i>Istituto Superiore di Sanita. ITA</i>

13:00-14:30 Lunch (in Exhibition Area)

13:00-17:30 IUTOX General Assembly

13:00-16:00	P3	Poster Session day 3 (14:00-15:00 Author present) P301 - COSMETICS P302- DRUGS DEVELOPMENT P303 - NANOTOXICOLOGY P304 - INDUSTRIAL CONTAMINANTS P305 - FORENSIC TOXICOLOGY P306 - ANALYTICAL TOXICOLOGY P308 - METALS P309 - PESTICIDES P310 - FOOD SAFETY P311 - BIOTOXINS P312 - EDUCATIONAL-TRAINING-PUBLICATION- SOCIAL ASPECTS P313 - MISCELLANEOUS
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14:30-16:00	W7	Global impact of 3'Rs on regulatory processes: sharing experiences and future trends / ROOM 6 Chair: Argelia Castaño . <i>(REMA President, I. S. Carlos III, Madrid)</i> Organised by REMA (Spanish Platform on Alternatives) with the participation of experts from REMA, ECOPA, ECVAM, JACVAM, CAAT, BASF, Ferrer International Adela López Cerain <i>(ECOPA President, Universidad de Navarra),</i> Hajime Kojima <i>(JaCVAM)</i> Thomas Hartung <i>(CAAT),</i> Domingo Gargallo . <i>Toxicology and Safety Pharmacology. Ferrer International.</i> Robert Landsiedel . <i>BASF Product Safety - Experimental Toxicology and Ecology</i>
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14:30-16:00	W8	Accomplishments and Challenges in Global Chemicals Policy / ROOM 5 Chair: Philip Wexler. <i>US National Library of Medicine. USA</i> With the collaboration of experts from the US NLM, UN, WHO OECD, OpenTox and Eco Conseil Advancing toxicology through a more strategic approach to international chemicals management Lesley Onyon. <i>United Nations Environment Programme</i> Carolyn Vickers. <i>World Health Organization</i> A European Chemicals Agency Perspective David Bell, <i>European Chemicals Agency (ECHA)</i> Satisfying REACH Requirements in Predictive Toxicology Barry Hardy. <i>OpenTox Project Coordinator.</i> OECD Chemicals Programme and Test Guidelines Laurence Musset. <i>Test Guidelines Programme. OECD</i> Hitoshi Someya. <i>Environment Directorate. OECD</i> Globally Harmonised System for Classification and Labeling Jan van der Kolk. <i>Eco Conseil</i>
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16:00-16:30 **Coffee break (In Exhibiton Area)**

16:30	SY21	New insights into acetaminophen toxicity / ROOM 7 Chairs: Ana Ferrer-Dufol. <i>Unit of Clinical Toxicology, Clinical Hospital. Zaragoza. ESP</i> Jack Hinson. <i>Division of Toxicology, Univ Arkansas. USA</i> SY21-1 New insights into the mechanisms of acetaminophen toxicity Jack A. Hinson. <i>Division of Toxicology, Univ Arkansas. USA</i> SY21-4 Toxicity of acetaminophen in therapeutic doses Paul B. Watkins. <i>University of North Carolina , Chapel Hill, NC. USA</i> SY21-5 Identification of patients at risk of hepatotoxicity Marco Sivilotti. <i>Department of Emergency Medicine, Queen's UniversityKingston, Ontario. CAN</i> SY21-2 Identification of patients at risk of adverse effects from acetaminophen antidotes Lars E. Schmidt. <i>Department of Hepatology Rigshospitalet, Copenhagen. DNK</i> SY21-3 How can drug regulation reduce the public health burden of acetaminophen poisoning Nicholas Bateman. <i>Clinical toxicology, University of Edinburgh. GBR</i>
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16:30	SY22	MicroRNA Malefactors: role in chemically-induced toxicity / ROOM 5 Chairs: Jolanta Gromadzinska. <i>ECCHA. Helsinki. FIN</i> Guillermina Font Sponsored by LRI - CEFIC (Long Ronge Research Initiative - The European Chemical Industry Council) SY22-1 Roles for miRNAs in drug and chemical toxicity Emma Marczylo. <i>MRC Toxicology Unit. GBR</i> SY22-2 The Role of miRNAs in PPARalpha Induced Hepatocellular Carcinomas Yatrik M Shah. <i>University of Michigan. USA</i> SY22-3 microRNAs in cancer Anders Lund. <i>BRIC, University of Copenhagen. DNK</i> SY22-4 Critical Roles of MicroRNAs in the Early Stages of Colon Carcinogenesis Masako Ochiai. <i>National Cancer Center Research Institute, Tokyo. JPN</i> SY22-5 Micrnas following DNA damage MAPK-mediated induction of miR-34c controls cell cycle arrest Martin Bushell. <i>MRC Toxicology Unit. University of Leicester. GBR</i>
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16:30	SY23	Education and chemical safety in developing countries / ROOM 6 Chairs: Eduardo de la Peña de Torres. <i>CSIC. Centro de Ciencias Medioambientales, Iberoamerican Net work Toxicology and Chemical Safety. ESP</i> Giuseppe Malinverno. <i>Solvay SA. Belgium</i> SY23-1 Education in Toxicology and Chemical Safety in Developing Countries Silvia Barros. <i>University of Sau Paulo. BRA</i> SY23-5 Present and Future Challenges in Safety Assessment for Pharmaceuticals in Iberoamerica. José Manautou. <i>University of Connecticut. USA</i> SY23-2 Reality and Needs of Toxicology Research and Education in Developing Countries. Fernanda Cavieres. <i>Universidad of Valparaiso. CHL</i> SY23-3 Issues pertaining to toxicology and chemical safety in Africa Mary Gulumian. <i>Toxicology and Biochemistry Section NIOH, Johannesburg. ZAF</i> SY23-4 The needs of Toxicological Research and Education in Continental Asia Junshi Chen. <i>Institute of Nutrition and Food Hygiene. Chinese Acad. of Preventive Med. CHN</i>
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- 16:30 SY24 **Immunotoxicology: From models to humans / ROOM 13**
Chairs: **Dori Germolec.** *Toxicology Branch. NTP/NIEHS. USA*
Miguel Borrás. *Parc Científic de Barcelona. ESP*
- 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 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, Friday

- 9:00-10:00 KL04 **Key Lecture / ROOM 7**
Chairs: **Alan Boobis**
María Prado Míguez
- KL04 **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*

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

- 10:30 SY25 **The changing face of clinical toxicology / ROOM 7**
Chairs: **Martin Wilks.** *Swiss Centre for Applied Human Toxicology. University of Basel. Switzerland*
Nancy Claude. *Institut de Recherches Internationales Servier. Courbevoie. FRA*
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 cardiotoxic 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*
- 10:30 SY26 **Detoxication and susceptibility to anticholinesterase pesticides / ROOM 6**
Chairs: **Ramesh C. Gupta.** *Murray State University. USA*
Antonio Hernández. *Universidad de Granada. ESP*
- SY26-1 **Role of Albumin in the detoxification of organophosphorus and Carbamate Pesticides**
Miguel Angel Sogorb. *Universidad Miguel Hernández de Elche. 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. USA*
- SY26-4 **Toxicity of Mixtures Containing Similarly and Dissimilarly Acting Compounds: New Concepts**
Sameeh. A. Mansour. *National Research Centre, Dokki, Cairo. EGY*



10:30	SY27	HBCD as a replacement flame retardant; another POP? / ROOM 5 Chairs: Linda Birnbaum . <i>NIEHS, USA</i> Joaquín Lapuente . <i>Parc Cientific de Barcelona, ESP</i>
	SY27-5	Brominated Flame Retardants: Past, Future, and Regulations Linda Birnbaum . <i>NIEHS, USA</i>
	SY27-1	Hexabromocyclododecane (HBCD) Complex Chemistry: Detection and Analytical Methods. Adrian Covaci . <i>University of Antwerp, BEL</i>
	SY27-2	HBCD levels in the Environment, Biota and Humans: Stereoisomeric paradox. Rob J. Letcher . <i>Environment Canada, Ottawa, CAN</i>
	SY27-3	Different HBCD Stereoisomers are Metabolized Differently! Heldur Hakk . <i>USDA ARS Biosciences Research Lab, Fargo, ND</i>
	SY27-4	Toxicity and Toxicokinetics of HBCD David Szabo . <i>University of North Carolina Chapel Hill, NC, USA</i>

10:30	SY28	Combined Exposures to Multiple Chemicals in Risk Assessment: A Pragmatic Approach / ROOM 13 Chairs: Carolyn Vickers . <i>World Health Organization, Chemical Safety, Geneva, CHE</i> Bette Meek . <i>McLaughlin Centre for Population Health Risk Assessment University of Ottawa, CAN</i> Partly sponsored by WHO (World Health Organization) and EFSA (European Food Safety Authority)
	SY28-1	Considering Combined Exposures in Risk Assessment: Recent Developments, Opportunities and Challenges Bette Meek . <i>McLaughlin Centre for Population Health Risk Assessment, University of Ottawa, CAN</i>
	SY28-2	Illustration of the WHO Combined Exposures Framework: A tiered and integrative approach to exposure and hazard Marcel T.M. van Raaij . <i>Centre for Substances and Integrated Risk Assessment (SIR), National Institute for Public Health and the Environment (RIVM), Bilthoven, NLD</i>
	SY28-3	WHO Framework Case Study: Carbamates* Elizabeth Shipp . <i>BayerCropScience on behalf of ECETOC, FRA</i>
	SY28-4	Exploration of the Use of the Threshold of Toxicological Concern (TTC) and consideration of synergy for combined exposures Alan R. Boobis . <i>Imperial College London, United Kingdom, GBR</i>
	SY28-5	Trends and developments in the risk assessment of chemical mixtures in food Djien Liem . <i>European Food Safety Authority, ITA</i>

13:00-13:30	KL05	Final Conference (ECHA Lecture) ROOM 7 Chairs: Daniel Acosta (IUTOX) Nancy Claude (EUROTOX)
	KL05	What has been REACHed? David Bell . <i>European Chemical Agency (ECHA)</i>
13:30	KL05	Closing Ceremony / ROOM 7 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, Seoul, Korea Remarks from President EUROTOX Remarks and Closing by IUTOX President
14:15		End of Congress



BUSSINES MEETINGS

20 July, Tuesday

15:00-16:00 **II REUNIÓN DE LA RED IBEROAMERICANA DE TOXICOLOGÍA Y SEGURIDAD QUÍMICA (RITSQ)**

18:30 **Asamblea AETOX / ROOM 8**

21 July, Wednesday

8:05 **EUROTOX Individual Member Meeting / ROOM 1**

13:00 **EUROTOX Business Council Meeting / ROOM 3**

22 July, Thursday

13:00 IUTOX **General Assembly / ROOM 3**

Information of place and time of meetings of executive committees, subcommittees, specialized sections, and other business meetings will be announced in a poster close to the Congress Secretariat

TOXICOLOGY HISTORY ROOM

To appreciate the context of toxicology in the present, and plan for its future, it is critical that we understand its history. The International Congress of Toxicology -XII is pleased to present the Toxicology History Room (THR), an exhibit of posters providing a perspective on the history of the science of toxicology and its relation to society. Subjects will include noteworthy toxicologists and their contributions through the ages, organizations that have played a key role in scientific and regulatory affairs, chemicals which have been controversial, major toxic accidents, and more. We invite you to browse this selection of displays and suggest more for the expansion of the THR at future meetings. Though Isaac Newton did not invent the following phrase, it gained in popularity after he used it in a letter in the 17th century, in reference to some of his own accomplishments: "If I have seen a little further it is by standing on the shoulders of Giants."

(Note: the contents of the posters are responsibility of their authors)



The **Toxicology Centre** at TNO is a state-of-the-art research facility, providing high quality safety assessments for a wide range of products and substances across the chemical, pharmaceutical and food industries. Located on the same premises as our Analytical Research Centre, we benefit from the most modern and precise analytical support, close at hand. We specialise in higher-tier toxicology studies for challenging substances in the Chemistry, Food and Pharma markets. We excel in inhalation-, immuno-, reproduction-, neurotoxicity and exposure assessment. We continuously develop new methods to improve existing test designs and similarly alternative test methods to reduce the burden on animal testing. Our track record goes back more than four decades and includes significant work on food and feed, EU priority substances, global HPV chemical programmes, biocidal and plant protection products.

Our **Analytical Research Centre** focuses on high-end expertise and advanced facilities in analytical chemistry (focused on LC-MS and GC-MS), data(pre)processing & chemometrics and molecular-biological techniques. Our core competences are directed towards the Food (and Feed), Chemistry and Pharmaceutical industries. Key innovations are developed in various TNO funded research programmes as well as through open innovation networks where we collaborate with other top institutes and universities.

Our key expertise areas encompass:

- Bioanalysis
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- Advanced Food Analysis (Food quality and safety)
- Packaging Research
- Biomarker and Nutrient Analysis
- Analytical Information Sciences (incl. chemometrics and statistics)
- Residue and Contaminant Analysis
- Analytical Support for Registration of Chemicals
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IUTOX 2010
BARCELONA

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CHRONIC OVEREXPOSURE TO URANIUM PREDISPOSES TO ACUTE RENAL FAILURE. L. Vicente Vicente⁽¹⁾, P. D. Sánchez González⁽¹⁾, M. Prieto⁽¹⁾, J. M. López Novoa⁽¹⁾, F. J. López Hernández⁽²⁾, A. I. Morales⁽¹⁾. ⁽¹⁾Universidad de Salamanca, Salamanca, Spain; ⁽²⁾Hospital Universitario de Salamanca, Spain

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HEAVY METALS AND ESSENTIAL ELEMENTS IN BONES OF THREE SPECIES OF PENGUINS FROM KING GEORGE ISLAND, ANTARCTICA. S. Jerez⁽¹⁾, M. Motas⁽¹⁾, J. Benzal⁽²⁾, A. Martínez⁽²⁾, F. Valera⁽²⁾, A. Barbosa⁽³⁾. ⁽¹⁾University of Murcia, Murcia, Spain; ⁽²⁾Estación Experimental de Zonas Áridas, CSIC, Spain; ⁽³⁾Museo Nacional de Ciencias Naturales, CSIC, Spain

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A REVIEW OF THE MOST RELEVANT RESIDUES OF PHARMACEUTICALS PRODUCTS OF HUMAN USE IN EFFLUENTS AND SLUDGES FROM WASTE WATER TREATMENT PLANTS. S. Aguayo⁽¹⁾, A. De La Torre⁽²⁾, M. Carballo⁽²⁾, R. Cabrera⁽¹⁾, J. Méndez⁽¹⁾. ⁽¹⁾Centro Nacional de Sanidad Ambiental Instituto de Salud Carlos III, Majadahonda, Spain; ⁽²⁾Centro de Investigación en Sanidad Animal. INIA, Spain

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THE EPIDEMIOLOGIC STUDY OF SUICIDE IN NORTH WEST OF IRAN. E. Farzaneh⁽¹⁾, I. Sayadrezai⁽¹⁾, F. Nasl Seraji⁽¹⁾, B. Mostafazadeh⁽²⁾. ⁽¹⁾Ardabil university of medical sciences, Ardabil, Iran., ardabil, Iran (Islamic Republic of); ⁽²⁾logman poison center, Shahid Beheshti university of medical sciences, Tehran, Iran, tehran, Iran (Islamic Republic of)

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THERAPEUTIC EFFECTS OF SODIUM BICARBONATE IN ORGANOPHOSPHATE POISONING IN MAN IS PH DEPENDENT; A RANDOMIZED CLINICAL TRIAL. R. Afshari, M. Mohammadi, M. Balali-Mood. *Mashhad University of Medical Sciences, Mashhad, Iran (Islamic Republic of)*

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Hospital Juárez de México, Secretaria de Salud, México City, Mexico

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W. Abia⁽¹⁾, O. Arojo⁽²⁾, D. Mingle⁽³⁾, I. Nmeka⁽⁴⁾, A. Atiku⁽⁵⁾.
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DEVELOPMENTAL NEUROTOXICITY: PRACTICAL EXPERIENCE FROM THE CONDUCT OF A VALIDATION STUDY. E. W. Sommer, C. Senn, R. Gerspach, G. Krinke. *Harlan Laboratories Ltd., Tübingen, Switzerland*

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GENOTOXICITY AND ACUTE TOXICITY OF THE PROCYANIDIN-RICH EXTRACT FROM GRAPE SEEDS. L. Lluís⁽¹⁾, M. Muñoz⁽²⁾, M. Nogués⁽³⁾, J. Valls⁽⁴⁾, R. Solà⁽⁵⁾, ⁽¹⁾Universitat Rovira i Virgili, Reus, Spain; ⁽²⁾Shirot Functional Foods,

P106-030
INTEGRATED INDICATORS FOR HUMAN HEALTH RISK ASSESSMENT IN THE OIL, GAS AND ENERGY INDUSTRY. E. Macedo⁽¹⁾, M. Paoliello⁽²⁾, M. Barata⁽³⁾, S. Hacon⁽⁴⁾.
⁽¹⁾FIOCRUZ, Rio de Janeiro, Brazil; ⁽²⁾

P106-031
RISK ASSESSMENT OF SYNTHETIC FOOD COLOR EXPOSURE IN THAI POPULATION. W. Benjapong, S. Srianujata, A. Nitithamying, W. Karnpanit, P. Visetchat, J. Wonglek, R. Peeratikorncharoenkul. *Institute of Nutrition, Mahidol university, Bangkok, Thailand*

P106-032
CEFC-LRI WORKSHOP ON SKIN SENSITISATION METHODS: WORKSHOP REPORT. J. C. Carrillo⁽¹⁾, D. Eigler⁽²⁾, P. Kern⁽³⁾, R. Kreiling⁽⁴⁾, M. Woolhiser⁽⁵⁾, ⁽¹⁾Shell International, Den Haag, Netherlands; ⁽²⁾Evonik Goldschmidt GmbH, Essen, Germany, ⁽³⁾Procter & Gamble Eurocor, Brussels, Belgium; ⁽⁴⁾Clariant Produkte (DE) GmbH, Sulzbach, Germany; ⁽⁵⁾DOW Chemical Company, MIDLAND, United States.

P106-033
REFINEMENT OF THE DERMAL SENSITISATION THRESHOLD FOR SKIN SENSITISATION. B. Safford, N. Gilmour, N. Aptula. *SEAC, Sharnbrook, United Kingdom*

P106-034
PEER-REVIEWING OF HERBAL MEDICINE TOXICITY TEST REPORTS UNDER THE KOREAN NATIONAL TOXICOLOGY PROGRAM. I. J. Yu⁽¹⁾, M. S. Dong⁽²⁾, J. Y. Lee⁽³⁾, J. H. Lee⁽⁴⁾, M. C. Moon⁽⁵⁾, C. S. Kang⁽⁶⁾, B. S. Han⁽⁷⁾, M. H. Kang⁽⁸⁾, ⁽¹⁾Hoseo University, Asan, Korea, Republic of; ⁽²⁾Korea University, Seoul.

P106-035
ETHICAL CONSIDERATIONS OF ACCEPTABILITY OF BIOLOGICAL SAMPLING BY PARTICIPANTS IN A RESEARCH STUDY. N. Noisel, C. Caux, G. Carrier, M. Bouchard. *University of Montreal, Montreal, Canada*

P106-036
REACH REGULATION (EC) 1907/2006: A SURVEY OF COMPANIES SITUATION IN VIEW OF THE FIRST REGISTRATION DEADLINE. R. Butera⁽¹⁾, A. Caldiroli⁽²⁾, C. Osnaghi⁽³⁾, A. Sacchi⁽⁴⁾, L. Manzo⁽⁵⁾, ⁽¹⁾IRCCS Maugeri Foundation and University of Pavia, Pavia, Italy; ⁽²⁾Interconsortia, Milan and Bruxelles; ⁽³⁾Sacchi Consulting, Milan and Bruxelles.

P106-037
NANOMATERIALS IN REACH. K. Malkiewicz, S. O. Hansson. *Royal Institute of Technology (KTH), Stockholm, Sweden*

P106-040
TUMOUR DATA FROM SPRAGUE-DAWLEY (IGS) RAT DIETARY AND ORAL GAVAGE TUMORIGENICITY STUDIES, COMPLETED OVER THE PERIOD OF 1998 TO 2009. W. Hooks, A. Bottomley, I. Taylor. *Huntingdon Life Sciences, Huntingdon, United Kingdom*

P106-041
WWW.FURETOX.FR : A SEARCH ENGINE OF HUMAN HEALTH TOXICITY VALUES. C. Heyman⁽¹⁾, C. Legout⁽²⁾, O. Grard⁽³⁾, ⁽¹⁾Institut De Veille Sanitaire, Lille, France; ⁽²⁾Ddass, Arras, France.

P106-042
JUVENILE STUDIES IN THE MINIPIG: FEASIBILITY STUDY. C. Bouchez, G. Chevalier, R. Forster. *CIT, Evreux, France*

P106-044
INTEGRATING MULTIMEDIA ENVIRONMENTAL MODELS AND EFFECTS MODELS ON A COMMON PLATFORM FOR RISK ASSESSMENT. C. Brochot⁽¹⁾, T. Tanaka⁽²⁾, E. Johansson⁽³⁾, R. Beaudoain⁽⁴⁾, F. Zeman⁽⁵⁾, F. Y. Bois⁽⁶⁾, P. Ciffroy⁽⁷⁾, ⁽¹⁾Institut National de l'environnement industriel et des risques (INERIS), Verneuil-en-Halatte, France; ⁽²⁾Istituto di Chimica Agraria ed Ambientale /Università Cattolica del Sacro Cuore; ⁽³⁾Facilia; ⁽⁴⁾Electricité de France (EDF).

P106-052
STRATEGIES FOR THE TOXICOLOGICAL RISK ASSESSMENT OF MULTI RESIDUAL IN CHILEAN MINING INDUSTRIES. L. Börgel, F. Bobadilla, M. Schultness. *SERVITOX / Legal Medicine Department, Universidad de Chile, Santiago, Chile*

P106-053
A 13-WEEK REPEATED DOSE TOXICITY OF EPHEDRA HERBA ADMINISTERED BY ORAL GAVAGE IN F344 RATS. J. I. Huh⁽¹⁾, H. Y. Han⁽²⁾, S. Rime⁽³⁾, J. Y. Kim⁽⁴⁾, S. J. Park⁽⁵⁾, B. S. Min⁽⁶⁾, S. J. Kwack⁽⁷⁾, ⁽¹⁾Korea Institute of Toxicology, Daejeon, Korea, Republic of; ⁽²⁾College of Veterinary Medicine, Kyungpook National University; ⁽³⁾College of Pharmacy, Catholic University of Daegu; ⁽⁴⁾National Institute of Toxicological Research.

P106-054
IDENTIFYING "NOT CLASSIFIED" SUBSTANCES (ACUTE ORAL LD50 > 2000 MG/KG) USING THE 3T3 NEUTRAL RED UPTAKE CYTOTOXICITY ASSAY: PERFORMANCE IN AN ECVAM EVALUATION. H. Raabe⁽¹⁾, P. Prieto⁽²⁾, R. Curren⁽³⁾, M. Whelan⁽⁴⁾, A. Hilberer⁽⁵⁾, S. Coecke⁽⁶⁾, R. Gibson⁽⁷⁾, A. Compagnoni⁽⁸⁾, T. Hartung⁽⁹⁾, A. Kinsner-Ovaskainen⁽¹⁰⁾, ⁽¹⁾Institute for In Vitro Sciences, MD, USA, ⁽²⁾IHCP/ECVAM, EC-JRC, Ispra, Italy, ⁽³⁾IHCP, European Commission Joint Research Centre, Ispra, Italy, ⁽⁴⁾Health and Safety Laboratory, UK, ⁽⁵⁾Johns Hopkins University, Bloomberg School of Public Health, Baltimore, USA.



P107: METABOLISM/ BIOTRANSFORMATION /POLYMORPHISMS

P107-001
BRAIN-DERIVED NEUROTROPHIC FACTOR (BDNF) GENE POLYMORPHISMS: INFLUENCE ON TREATMENT RESPONSE PHENOTYPES OF MAJOR DEPRESSIVE DISORDER. N. A. Kocabas⁽¹⁾, C. Forray⁽²⁾, S. Kasper⁽³⁾, S. Linotte⁽⁴⁾, I. Massat⁽⁵⁾, J. Mendlewicz⁽⁶⁾, M. Noro⁽⁷⁾, P. Oswald⁽⁸⁾, J. Zohar⁽⁹⁾, D. Souery⁽¹⁰⁾. ⁽¹⁾FNRS, Free University of Brussels (ULB), Medical School, Lab. Experimental Neurology, Brussels, BE and Gazi University Pharmacy Faculty Department of Toxicology, Ankara, TR, Ankara, Turkey; ⁽²⁾Translational Research, Lundbeck Research, NJ, USA; ⁽³⁾Department of General Psychiatry, Medical University of Vienna, Austria; ⁽⁴⁾ULB, Brussels, BE; ⁽⁵⁾ULB, Lab. Experimental Neurology, Brussels, BE; ⁽⁶⁾Chaim Sheba Medical Center Tel-Hashomer, Israel.

P107-002
BIODISPOSITION OF CP31398 IN RAT TOXICOLOGY AND EFFICACY STUDIES. I. M. Kapetanovic⁽¹⁾, M. Muzzio⁽²⁾, D. L. McCormick⁽³⁾, A. Mohammed⁽⁴⁾, C. V. Rao⁽⁵⁾, L. Kopelovich⁽¹⁾. ⁽¹⁾National Cancer Institute, NIH, Bethesda, United States; ⁽²⁾IIT Research Institute, Chicago, United States; ⁽³⁾The University of Oklahoma Health Sciences Center, Oklahoma City, United States.

P107-003
BIOCHEMICAL TOXICITY OF PHENOL IN TREATED MICE. A. Louei Monfared. School of Veterinary Medicine, University of Ilam, Ilam, Iran., Ilam, Iran (Islamic Republic of)

P107-004
TESTOSTERONE HYDROXYLASES IN EVALUATING INDUCTION OF CYTOCHROME P450 ISOENZYMES BY PYRETHROIDS TYPE II DELTAMETHRIN AND CYFLUTHRIN. M. A. Martínez, V. Castellano, E. Ramos, I. Ares, M. Martínez, M. R. Martínez-Larrañaga, A. Anadón. Universidad Complutense de Madrid, Madrid, Spain

P107-005
TOXICOKINETICS OF ETHYL TERTIARY BUTYL ETHER METABOLITES IN BLOOD AND TISSUES IN ALDH2 KNOCKOUT AND WILD TYPE MICE. M. Suda, Z. Weng, K. Ohtani, R. S. Wang. National Institute of Occupational Safety and Health, Japan (JNIOSH), Kawasaki, Japan

P107-006
URINARY 1-OHP LEVELS IN CHILDREN ARE MODULATED BY CYP1A1*2C, CYP1B1*3, GSTM1*0 AND NQO1*2 POLYMORPHISMS. M. Sánchez-Guerra⁽¹⁾, N. Pelallo-Martínez⁽²⁾, F. Díaz-Barriga⁽³⁾, L. Carrizales-Yañez⁽⁴⁾, L. Oropeza-Hernández⁽⁵⁾, G. Martínez-Aguilar⁽¹⁾, M. Guaderrama-Díaz⁽¹⁾, S. Rothenberg⁽¹⁾, B. Quintanilla-Vega⁽¹⁾. ⁽¹⁾CINVESTAV-IPN, Mexico, Mexico; ⁽²⁾UASLP, San Luis Potosí, Mexico; ⁽³⁾PEMEX General Hospital, Nanchtal, Mexico.

P107-007
OCTACHLOROSTYRENE INDUCES CYTOCHROME P450, UDP-GLUCURONOSYLTRANSFERASE, AND SULFOTRANSFERASE VIA THE ARYL HYDROCARBON RECEPTOR AND CONSTITUTIVE ANDROSTANE RECEPTOR. Y. Yanagiba. Nagoya University Graduate School of Medicine, Nagoya, Japan

P107-008
MULTIDRUG RESISTANCE-ASSOCIATED PROTEINS (MRPS) ARE INVOLVED IN THE DETOXIFICATION OF BENZO[A]PYRENE IN THE INTESTINAL BARRIER. S. Hessel⁽¹⁾, A. John⁽²⁾, A. Seidel⁽²⁾, A. Lampen⁽¹⁾. ⁽¹⁾Federal Institute For Risk Assessment, Berlin, Germany, Berlin, Germany; ⁽²⁾Biochemical Institute for Environmental Carcinogens, Grosshansdorf, Germany,

P107-009
ASSOCIATION OF CYP2E1 GENE POLYMORPHISMS WITH ATHEROSCLEROSIS: A PRELIMINARY STUDY. L. Şahiner⁽¹⁾, Z. Kayaalti⁽²⁾, T. Soylemezoglu⁽²⁾. ⁽¹⁾Ankara Oncology Hospital, Ankara, TURKEY, Ankara, Turkey; ⁽²⁾Ankara University Institute of Forensic Medicine,

P107-010
EFFECT OF COLCHICINE ON P-GLYCOPROTEIN EXPRESSION AND ACTIVITY IN CACO2 CELLS. T. Houdkova⁽¹⁾, R. Silva⁽¹⁾, A. Cordeiro-Da-Silva⁽²⁾, H. Carmo⁽¹⁾, F. Remião⁽¹⁾. ⁽¹⁾Faculty of Pharmacy, University of Porto, Porto, Portugal; ⁽²⁾IBMC – Institute of Molecular and Cellular Biology, University of Porto.

P107-011
IN VITRO METABOLISM OF M1 VINCLOZOLIN METABOLITE BY RAT LIVER MICROSOMES. A. Sierra-Santoyo, M. D. L. Lopez-Gonzalez, F. G. García-Montes De Oca. Departamento de Toxicología, Cinvestav-IPN, Mexico, Mexico

P107-012
INFLUENCE OF AGING AND PROSTATIC DISEASE IN THE EXPRESSION AND ACTIVITY OF P-GLYCOPROTEIN IN HUMAN LYMPHOCYTES. V. Vilas_boas⁽¹⁾, A. M. Martins⁽¹⁾, R. Silva⁽¹⁾, S. A. Lima⁽²⁾, R. Medeiros⁽³⁾, A. Cordeiro-Da-Silva⁽²⁾, F. Remião⁽¹⁾. ⁽¹⁾REQUIMTE, Porto, Portugal; ⁽²⁾IBMC, Portugal; ⁽³⁾Molecular Oncology Unit, Portugal.

P107-013
CHARACTERIZATION OF HUMAN ARYL HYDROCARBON RECEPTOR POLYMORPHISMS IN MCF-7 BREAST CANCER CELLS. T. Celius⁽¹⁾, C. Rowlands⁽²⁾, J. Matthews⁽¹⁾. ⁽¹⁾University of Toronto, Toronto, Canada; ⁽²⁾Dow Chemical Company.

P107-014
THE PARAQUAT-INDUCED TOXICITY IS REVERSED WITH THE CO-EXPOSURE TO DOXORUBICIN IN CACO-2 CELLS. R. Silva⁽¹⁾, H. Carmo⁽¹⁾, P. Guedes De Pinho⁽¹⁾, R. Dinis-Oliveira⁽²⁾, F. Carvalho⁽¹⁾, M. De Lourdes Bastos⁽¹⁾, F. Remião⁽¹⁾. ⁽¹⁾REQUIMTE, Laboratory of Toxicology, Faculty of Pharmacy, University of Porto, Porto, Portugal; ⁽²⁾REQUIMTE, Laboratory of Toxicology, Faculty of Pharmacy, University of Porto; Faculty of Medicine, University of Porto; Department of Clinical Analysis and Public Health, Center of Research in Health Technologies (CITS)-IPSN-CESPU, CRL, Vila Nova de Famalicão.

P107-015
PROTEIN ADDUCT FORMATION: A POSSIBLE FACTOR IN HYPERSENSITIVITY REACTIONS INDUCED BY THE ANTI HIV DRUG ABACAIVR. M. M. Marques, C. Chameira, A. M. Antunes. Instituto Superior Técnico, Lisboa, Portugal

P107-016
ANALYSES OF XENOBIOTIC METABOLIZING ENZYME ACTIVITIES IN HUMAN RECONSTRUCTED SKIN EQUIVALENTS. C. Jäckh. BASF SE, Frankenthal, Germany

P107-017
EDIBLE RASPBERRY COMPOSITION POWDER CONTAINING HIGH LEVELS OF ELAGIC ACID REDUCED NICOTINE - INDUCED PLACE PREFERENCE IN MICE. R. Pérez-Pastén⁽¹⁾, A. Attilán-Gil⁽²⁾, F. Santiago-Kerstupp⁽²⁾, C. Zuñiga-Pérez⁽²⁾, G. Chamorro-Cevallos⁽¹⁾. ⁽¹⁾Escuela Nacional de Ciencias Biológicas, Instituto Politécnico Nacional, Mexico, D.F., Mexico; ⁽²⁾Instituto de Ciencias de la Salud y Centro de Investigaciones Químicas - UAEH, Pachuca, Mexico.

P107-018
CHEMOPREVENTIVE EFFECTS OF PHLORETIN AND SULFORAPHANE AGAINST AFB1-8, 9-EPOXIDE IN AML 12 CELLS. B. R. Kim, B. M. Choi, S. S. Gao. WonkWang University School of Medicine, Iksan-City, Korea, Republic of

P107-019
MODULATION OF CYTOCHROME P450 1B1 BY TETRAMETHOXYSTILBENE. Y. J. Chun⁽¹⁾, Y. K. Oh⁽¹⁾, D. Kim⁽²⁾, M. Y. Kim⁽¹⁾. ⁽¹⁾College of Pharmacy Chung-Ang University, Seoul, Korea, Republic of; ⁽²⁾Department of Biological Sciences, Konkuk University, Seoul, Korea, Republic of.

P107-020
GENOTYPE AND ALLELE FREQUENCIES OF POLYMORPHIC ADH AND ALDH IN THE TURKISH POPULATION. B. Alpertunga, E. S. Yildiz. Istanbul University, Faculty of Pharmacy, Department of Pharmaceutical Toxicology, Istanbul, Turkey

P107-021
CYCLOOXYGENASE-2 POLYMORPHISMS AND PANCREATIC CANCER SUSCEPTIBILITY. G. Özhan⁽¹⁾, R. Lochan⁽²⁾, J. B. Leathart⁽³⁾, R. Charnley⁽²⁾, A. K. Daly⁽³⁾. ⁽¹⁾Istanbul University, Faculty of Pharmacy, Department of Pharmaceutical Toxicology, Istanbul, Turkey, Istanbul, Turkey; ⁽²⁾Newcastle University, Freeman Hospital, Department of Surgery, Hepato-Pancreato-Biliary Unit, Newcastle upon Tyne, United Kingdom, Newcastle upon Tyne, United Kingdom; ⁽³⁾Newcastle University, Institute of Cellular Medicine, Newcastle upon Tyne, United Kingdom, Newcastle upon Tyne, United Kingdom.

P107-022
EFFECT OF ENVIRONMENTAL CHEMICALS ON CYTOCHROME P450 ACTIVITIES OF FETAL AND NEONATAL RATS. K. Sugihara⁽¹⁾, M. Arai⁽²⁾, H. Sako⁽²⁾, S. Kitamura⁽³⁾, S. Ohta⁽²⁾. ⁽¹⁾Hiroshima International University, Kure, Japan; ⁽²⁾Hiroshima University, Japan; ⁽³⁾Nihon Pharmaceutical University.

P107-023
EFFECT OF CHROMIUM PICOLINATE ON THE TISSULAR ZN/CU RATIO OF DIABETIC GROWING RATS. M. V. Aguilar, J. M. Laborda, A. Bernao, M. C. Martínez Para, I. Meseguer, C. J. Mateos, M. J. González Muñoz. Facultad de Farmacia, Alcalá de Henares, Spain

P107-024
PORCINE CYP3A EXPRESSION IN LIVERS FROM FOETUSES AND NEONATAL GÖTTINGEN MINIPIGS. M. T. Skaaniid, M. L. H. Hermann. University of Copenhagen, Frederiksberg C, Denmark

P107-025
REACTIVITY OF ANTITUMOR ACYLFULVENES WITH SELENOCYSTEINE-CONTAINING REDOX-REGULATING ENZYMES IN CANCER CELLS. K. E. Pietsch⁽¹⁾, X. Liu⁽²⁾, S. J. Sturla⁽¹⁾. ⁽¹⁾ETH Zürich, Zürich, Switzerland; ⁽²⁾University of Minnesota,

P107-026
CALIBRATION OF PBPK MODELS BASED ON IN VIVO AND IN VITRO DATA TO DESCRIBE COMPLEX BIOTRANSFORMATION PROCESSES. D. Habka⁽¹⁾, A. R. Péry⁽¹⁾, C. Aninat⁽²⁾, A. Corlu⁽²⁾, C. Guguen-Guillouzo⁽²⁾, E. Leclerc⁽³⁾, C. Legallais⁽³⁾, C. Brochet⁽¹⁾. ⁽¹⁾Institut National de l'Environnement Industriel et des Risques - INERIS, Unité METO, Verneuil En Halatte, France; ⁽²⁾Université Rennes 1, INSERM - U991, IFR 140, Rennes, France; ⁽³⁾Université de Technologie de Compiègne, CNRS - UMR6600, Compiègne, France.

P107-027
HEPATIC AND RENAL XANTHINE OXIDOREDUCTASE ACTIVITY IN OBESE ZUCKER RAT MODEL OF METABOLIC SYNDROME. J. Laakso⁽¹⁾, R. Lapatto⁽²⁾, T. Vaskonen⁽³⁾. ⁽¹⁾Finnish Food Safety Authority, Evira, Helsinki, Finland; ⁽²⁾Hospital for Children and Adolescents, Helsinki, Finland; ⁽³⁾Institute of Biomedicine, Pharmacology.

P107-032
EFFECT OF TREATMENT PERIOD WITH CHROMIUM PICOLINATE ON THE TISSULAR ZN/CU RATIO OF DIABETIC RATS. M. V. Aguilar, J. M. Laborda, M. J. González, A. Bernao, I. Meseguer, M. C. Martínez Para, C. J. Mateos. Alcalá de Henares University, Alcalá de Henares, Spain

P108: ECOTOXICOLOGY

P108-001
EXCESSIVE DANGER OF ORGANOPHOSPHORUS PESTICIDES FOR AQUATIC ECOSYSTEM HEALTH. V. Tonkopii. Institute of Limnology.Rus.Acad.Sci., St.Petersburg, Russian Federation

P108-002
IMPACT OF HUMAN ACTIVITIES ON ALUMINUM CONTAMINATION IN THE DRAINAGE CANALS IN THE NILE DELTA, EGYPT. A. E. Alhenaï, M. Authman. Faculty of Science, Menufiya University, Shebeen Alkom, Egypt

P108-003
THE USE OF ROE DEER AS BIOINDICATOR FOR ENVIRONMENTAL ASSESSMENT: EFFECT OF SEX ON EROD AND GST ENZYMIC ACTIVITY. I. De La Casa Resino⁽¹⁾, M. P. Míguez Santillán⁽¹⁾, D. Hernández Moreno⁽¹⁾, A. López Beceiro⁽²⁾, L. E. Fidalgo Álvarez⁽²⁾, L. Rigueira Rey⁽²⁾, M. Pérez-López⁽¹⁾. ⁽¹⁾Faculty of Veterinary Medicine. University of Extremadura, Caceres, Spain; ⁽²⁾Fac of Veterinary Medicine. University of Santiago de Compostela, Lugo, Spain.

P108-004
EFFECTS OF SEMI-STATIC EXPOSITION TO CARBOFURAN ON XENOBIOTIC METABOLIZING ACTIVITIES IN COMMON CARP (CYPRINUS CARPIO). C. Ensibi⁽¹⁾, D. Hernández Moreno⁽²⁾, F. Soler Rodríguez⁽²⁾, M. N. Daly Yahya⁽¹⁾, M. Pérez-López⁽²⁾. ⁽¹⁾University of 7 November Carthage, Zarzouna, Tunisia; ⁽²⁾University of Extremadura, Caceres, Spain

P108-005
SELECTIVE CHROMIUM RESISTANCE OBTAINED BY SELECTED DICTYOSPHAERIUM CHLORELLOIDES STRAINS ACCORDING TO ITS OXIDATION STATE. M. C. Bartolomé Camacho⁽¹⁾, A. D'ors⁽²⁾, M. Pereira⁽²⁾, J. M. Jimenez⁽²⁾, S. Sanchez-Fortún⁽²⁾. ⁽¹⁾Universidad Michoacana De San Nicolas Hidalgo, Morelia, Mexico; ⁽²⁾Universidad Complutense, Madrid,, Spain.

P108-006
EFFECTS OF PERFLUOROOCANOIC ACID AND PERFLUOROOCANE SULFONATE ON GENE EXPRESSION PROFILES IN MEDAKA (ORYZIAS LATIPES). W. Lee⁽¹⁾, Y. Kagami⁽²⁾. ⁽¹⁾Chang Jung Christian University, Tainan, Taiwan; ⁽²⁾Ecogenomics, Inc., Japan.

P108-007
POSSIBILITY OF PERSTERIL USING AS EFFECTIVE ANTIMYCOTIC AGENT IN FISHERIES: PRELIMINARY STUDY. J. Machova⁽¹⁾, T. Meinelt⁽²⁾, J. Velisek⁽¹⁾, V. Stejskal⁽¹⁾, E. Sudova⁽¹⁾. ⁽¹⁾University of South Bohemia Česká Budějovice Faculty of Fisheries and Protection of, Vodňany, Czech Republic; ⁽²⁾, Germany.

P108-008
ORGANOCHLORINE RESIDUES IN EGGS OF SLENDER-BILLED GULL (LARUS GENEI) FROM THE SOUTH-EASTERN SPAIN. P. Toledo-Monsonis⁽¹⁾, E. Martínez-López⁽¹⁾, P. María-Mojica⁽²⁾, A. J. García-Fernández⁽¹⁾. ⁽¹⁾University of Murcia, Murcia, Spain; ⁽²⁾Generalitat Valenciana, Alicante, Spain.

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P108-009

RESPONSES OF MULTIPLE BIOMARKERS IN JUVENILE RAINBOW TROUT, ONCORHYNCHUS MYKISS, AFTER ACUTE EXPOSURE TO A HUMAN PHARMACEUTICAL CARPAMAZEPINE. Z. H. Li⁽¹⁾, V. Zlabek⁽¹⁾, J. Velisek⁽¹⁾, R. Grabic⁽²⁾, J. Machova⁽¹⁾, J. Kolarova⁽¹⁾, T. Randak⁽¹⁾. ⁽¹⁾University of South Bohemia in Ceske Budejovice, Faculty of Fisheries and Protection of Waters, Research Institute of Fish Culture and Hydrobiology, Vodnany, Czech Republic; ⁽²⁾Department of Chemistry, Umea University, SE-90187 Umea, Sweden.

P108-010

THE LIGAND BINDING DOMAIN - THE KEY TO THE CLASSIFICATION OF AVIAN SENSITIVITY TO DIOXIN-LIKE COMPOUNDS. R. Farmahin⁽¹⁾, D. Wu⁽²⁾, S. J. Bursian⁽³⁾, D. Crump⁽²⁾, J. P. Giesy⁽⁴⁾, M. E. Hahn⁽⁵⁾, S. P. Jones⁽⁶⁾, S. I. Karchner⁽⁶⁾, L. J. Mundy⁽²⁾, M. J. Zwiernik⁽⁸⁾, S. W. Kennedy⁽²⁾. ⁽¹⁾Department of Biology, University of Ottawa, Ottawa, Canada; ⁽²⁾Environment Canada, National Wildlife Research Centre, Ottawa, Canada; ⁽³⁾Michigan State University; ⁽⁴⁾University of Saskatchewan; ⁽⁵⁾Department of Biology, Woods Hole Oceanographic Institution.

P108-011

CONTEMPORARY EVOLUTION OF FENVALERATE RESISTANCE IN NON-TARGET BLACKFLIES (DIPTERA: SIMULIIDAE) FROM ARGENTINA. C. Montagna, L. Anguiano, A. Pechen De D' Angelo. Universidad Nacional del Comahue, Neuquén, Argentina

P108-012

EFFECT OF FLUORANTHENE ON PEA PLANT (PISUM SATIVUM L.) ANATOMICAL-MORPHOLOGICAL STUDY. M. Beklova⁽¹⁾, I. Soukupova⁽¹⁾, P. Babula⁽¹⁾, M. Kummerova⁽²⁾, L. Havel⁽³⁾, R. Kizek⁽³⁾. ⁽¹⁾University of Veterinary and Pharmaceutical Sciences Brno, Brno, Czech Republic; ⁽²⁾Masaryk University, Brno, Czech Republic; ⁽³⁾Mendel University in Brno, Brno, Czech Republic.

P108-013

EFFECTS OF ETHINYLESTRADIOL ON DNA METHYLATION IN A 5-PRIME FLANKING REGION OF THE VITELLOGENIN I GENE IN ADULT ZEBRAFISH (DANIO RERIO). M. Hjalmarsson⁽¹⁾, N. Tooke⁽²⁾, B. Brunström⁽¹⁾. ⁽¹⁾Uppsala University, Department of Environmental Toxicology, Uppsala, Sweden; ⁽²⁾QIAGEN AB.

P108-014

LETHAL AND SUBLETHAL EFFECTS OF METHYLMERCURY TO ZEBRAFISH EMBRYOS. J. P. Garcia Cambero, A. Castaño Calvo. Instituto De Salud Carlos III, Madrid, Spain

P108-015

GLOBAL TRANSCRIPTOME ANALYSIS OF RICE ROOTS IN RESPONSE TO ARSENIC STRESS. T. L. Huang⁽¹⁾, W. C. Chi⁽¹⁾, C. C. Chen⁽¹⁾, Y. A. Chen⁽²⁾, H. J. Huang⁽¹⁾. ⁽¹⁾National Cheng Kung University, TAINAN, Taiwan; ⁽²⁾National Sun Yat-sen University, Kaohsiung, Taiwan.

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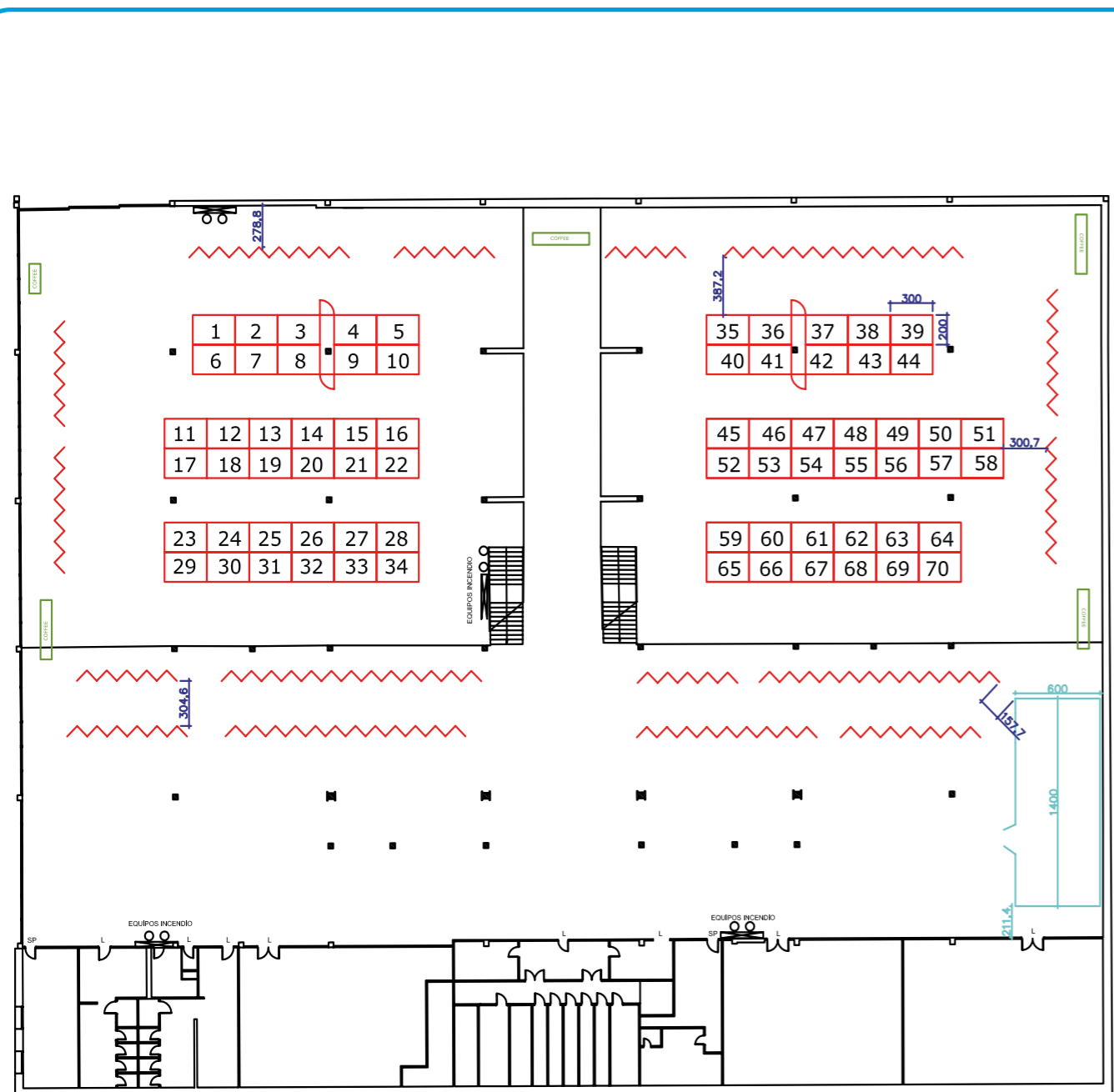
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Bionas® specializes in instruments and services for label-free, cell-based assays.

The B2500 analyzing system is a 6 channel system for the simultaneous monitoring of oxygen consumption, acidification and cellular impedance/adhesion. The instrument generates real-time data about the metabolic activity of cells, including regeneration effects. Adherent, primary or suspension cells can be analyzed for applications in toxicology, oncology, drug discovery.

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BIOBIDE S.L.

Parque Tecnológico de San Sebastián,
Paseo Mikeletegi 58, bajo
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Spain

Biobide is a biotech company that aims to help our customers worldwide developing solutions to face their problems in the Drug Discovery process, integrating zebrafish animal model with innovative tools as High Content Screening based on our automation capability adding value to their R+D+i in the preclinical area.

Biobide helps companies decreasing withdrawals in the Drug Discovery and Development process, saving cost and time obtaining higher revenues from their investment. We are able to set up customized zebrafish toxicity, safety and efficacy assays, to ensure investing in the most successful drug candidates, due to their efficacy or safety.

BIOPORTO DIAGNOSTICS, A/S

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The primary focus for BioPorto Diagnostics is the new acute kidney injury marker, NGAL. NGAL is a biomarker that allows the early detection of kidney injury in drug safety studies in many animal models.

BioPorto Diagnostics offers a wide selection of NGAL antibodies and ELISA kits for laboratory animals that can be used in all phases of pharmaceutical development and basic research.

BioPorto Diagnostics' product portfolio covers NGAL measurement in human, rat, mouse, monkey, dog and pig models - providing essential tools to study compound nephrotoxicity and drug safety in the pharmaceutical industry.

BioVendor-Laboratorni medicina a.s.

BioVendor – Laboratorni Medicina a.s. established its Research and Diagnostic Products Division as an emerging innovative biotech company in the Czech Republic in 1995.

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CIT

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CIT is a leading European CRO specialised in pre-clinical and safety evaluation studies, located just one hour from Paris. Founded 40 years ago CIT works actively with pharmaceutical, biotech, chemical and agrochemical companies for product registrations and notifications.

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CULTEX LABORATORIES GMBH

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CXR BIOSCIENCES

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Summary information: CXR Biosciences Ltd. is commercialising innovative approaches to transform the drug development and chemical safety assessment process. As well as developing proprietary technology platforms such as stem cells and humanised mice, CXR also helps customers to take their candidate compounds through development efficiently, or to resolve problems that have been encountered, through the provision of customised solutions. The company has business relationships with many of the world's leading pharmaceutical companies, chemical companies, biotechnology companies, universities and research institutions. CXR Biosciences Ltd. is located in Dundee, Scotland, UK.

ELLEGAARD GÖTTINGEN MINIPIGS A/S

Soroe Landevej 302
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Göttingen minipigs ® are accepted non-rodent models in pharmacology and toxicology. Studies performed on these minipigs are fully recognized by regulatory authorities worldwide, including FDA.

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European Commission's Research Directorate-General

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Over two-hundred multidisciplinary pan-European research projects dealing with environment and health issues have been funded by the European Commission's Research Directorate-General since the beginning of the Fifth Framework Programme of Research in 1998. From the first three calls of the currently running Seventh Framework Programme (2006-2013) over 70 projects have already been selected for funding. The aim of the Commission's participation in the IUTOX event is to provide an information platform for showcasing what kind of research has been funded (including a large number of projects on toxicology) and what kinds of opportunities exist for participation in EU-funded research activities.

EUROPEAN FOOD SAFETY AUTHORITY (EFSA)

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<http://www.efsa.europa.eu/en/contact/askefsa.htm>

The European Food Safety Authority (EFSA) is the keystone of European Union (EU) risk assessment regarding food and feed safety. In close collaboration with national authorities and in open consultation with its stakeholders, EFSA provides independent scientific advice and clear communication on existing and emerging risks. One of the areas in which EFSA advises risk managers at the EU and national level is contaminants in the food chain and undesirable substances such as natural toxicants, mycotoxins and residues of unauthorised substances.

EVOTEC

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The International Life Sciences Institute – European branch (ILSI Europe) is a non-profit, worldwide foundation with the aim to advance the understanding of scientific issues relating to nutrition, food safety, toxicology, risk assessment and the environment by bringing together scientists from academia, government, industry and the general public through the advancement of science.

Institute for In Vitro Sciences

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The Institute for In Vitro Sciences, (IIVS) is a non-profit organization wholly dedicated to the advancement of alternative testing methods. Rigorous scientific and compliance programs coupled with Education and Outreach initiatives have established IIVS as a global leader in the advancement of alternatives to animal testing. This foundation provides a unique forum in which our customers, contributors, regulatory agencies and animal protection organizations can work collaboratively to advance science and animal welfare.

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Nal von minden

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summary information: Nal von minden is your competent and reliable partner for medical diagnostics and research products throughout Europe. We offer to you a comprehensive and innovative product range of the highest quality, as well as outstanding service. Since 2008, nal24 GmbH in Regensburg and von Minden GmbH in Moers, have merged into Nal von minden GmbH. Our company is distributed over three main sites: Regensburg, Moers and Den Haag. 22 years of experience in the development and distribution of medical diagnostic and research products, combined with a highly motivated and experienced team allows us to provide the best quality service.

NOTOX B.V.

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NOTOX specializes in contract research and consultancy for the registration of pharmaceutical products and agro chemicals worldwide. More than 300 specialists and 12,300 m² of modern purpose built laboratories and offices are available for non GLP screening, in vitro studies, regulatory toxicology, analytical support and dossier management including REACH. Our operations have been endorsed by the GLP Monitoring authorities and conform to the principles of OECD/EPA/FDA Good Laboratory Practice and enjoy JMAFF certification.

In addition to the headquarters in 's-Hertogenbosch, the Netherlands, NOTOX has support offices in Japan, Switzerland, India and the USA.

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Dr Joffrey DUCROQ
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PREVOR

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RTC - RESEARCH TOXICOLOGY CENTRE

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SOT (Society of Toxicology USA)

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The Society of Toxicology (SOT) is the largest association of professional toxicologists in the world, with over 6500 members from more than 50 countries. Each year in March, the SOT holds an Annual Meeting and exposition that is attended by 6,000-7,000 scientists, features presentation of over 2400+ abstracts in a variety of session types, and showcases 400 exhibits of products and services. Members receive discounted registration fees for SOT meetings and the SOT journal, Toxicological Sciences, the premier peer-reviewed, hypothesis-driven publication of original research articles in toxicology. Stop by the booth to meet SOT leaders, get an update on plans for the SOT's 50th Anniversary Meeting March 6-10, 2011 in Washington, DC, and learn about new programs for scientists from developing countries.

SKINETHIC LABORATORIES

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SkinEthic Laboratories is a France-based biotechnology company recognized as the world leader in tissue engineering since more than 20 years.

SkinEthic is devoted to develop and produce - under ISO9001 certification - reliable and robust in vitro alternative methods to the animal use in cosmetic, chemical and pharmaceutical industries. SkinEthic models are predictive tools for efficacy and safety screening tests in order to support an integrated decision making during research and development phases. Our two reconstructed human epidermis models, Episkin and RHE, are validated by ECVAM to fully replace the Draize skin irritation test in rabbits and are under integration in the OECD guidelines. Our Human Corneal Epithelium (HCE) model is currently undergoing validation process by ECVAM., for eye irritancy.

Our philosophy is based on 3 main commitments: to support our customers by providing reliable models, to ensure a training and education and, to provide a dedicated service and sustainable in vitro solutions to our partners.

SkinEthic ROBUST – RELIABLE – RELEVANT – READY-to-USE In Vitro Solutions

SNBL Europe

PO Box 182
Wetherby, West Yorks
LS22 7TB
United Kingdom
E-mail:- snbl.europe@dial.pipex.com
Websites:- www.snbl.com, and www.snblusa.com

SNBL offers toxicology and pharmacology research services in a range of study models with a specialisation in non-human primates including reproduction toxicology, juvenile toxicology, disease modelling and safety pharmacology via telemetry, supported by comprehensive in-house analytical and pathology services, including analytical cytology and immunology.

THE NATIONAL LIBRARY OF MEDICINE

6707 Democracy Blvd.
Bethesda
www.nlm.nih.gov
tehip@tehl.nlm.nih.gov

The National Library of Medicine provides FREE Internet access to its toxicology, chemical, and environmental health information resources at <http://tox.nlm.nih.gov>. These resources include the TOXNET® (TOXicology data NETwork) databases; Haz-Map, an occupational diseases database; Tox Town, an interactive guide to commonly encountered toxic chemicals and environmental health risks; and MedlinePlus®, a Web site containing consumer information on poisoning, toxicology, and environmental health.

TRINOVA BIOCHEM GMBH

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TRINOVA Biochem GmbH offers reagents for Ames and Ames IITM test. All important reagents for Genetic and in vitro Toxicology in European stock: Lyophilized and frozen metabolic activation products S9 (human, rat, mouse and hamster), Prepared Plated & Bottled Media, Minimal Glucose Agar Plates, Controlchem™ Positive Controls, NADPH Regenerating System Reagents, lyophilized Bacterial Strains (required by the OECD Guideline 471). Please visit our booth at the IUTOX 2010 or contact us for more information: info@trinova.de



TUPY MANUFACTURING

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- GLP Compliant, timely, security conscious, quality service founded by two of the most experienced toxicological veterinary pathologists in Europe with 35 years histology laboratory management.
- Occupying an extensive purpose-built laboratory allowing clean and orderly slide production - wet tissue to stained slide
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- Slide evaluation and report production
- Continuous in house Quality Assurance on every study
- Preparation for Long Term Archiving of tissue/blocks and raw data

TSE-SYSTEMS

www.TSE-Systems.com

Contact: Dr. Walter Foerster / Sales Manager Europe

TSE Systems is a leading supplier of sophisticated research instrumentation in the global life science market since 1954. Our focus is on providing the total customer solution including expandable, integrated hardware and software platforms for in-vivo studies in neuroscience, phenotyping, drug screening and toxicology. We also offer complete automated systems for inhalation toxicology.

An interdisciplinary team of scientists and engineers provide regular innovations, optimizing TSE products as well as develop new approaches. NEW IN DEVELOPMENT: See our TSE Cell Culture Exposure System for simultaneous exposure of cell cultures to either aerosols or vapors in up to 4 separate exposure units

VITROCELL Systems GmbH

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VITROCELL® is specialised in the development, manufacturing, sales and service of innovative cultivation and exposure systems for in vitro studies using cells or bacteria. VITROCELL® modules are specially designed for the analysis of gases, environmental atmospheres, nano particles and complex mixtures (e.g. cigarette smoke and diesel exhaust) at the air/liquid interface. The product program includes gas mixing devices, aerosol generators, dilution systems and equipment for dose control. All can be integrated in turnkey cultivation and exposure systems.

The customers of VITROCELL® are leading medical and environmental research institutes as well as pharmaceutical and other industries.

VIVOTECNIA

Parque Tecnológico de Madrid
28760 Tres Cantos
Madrid – España
e-mail: info@vivotecnia.com

Vivotecnia is a preclinical CRO specialized in Toxicology and PK for product registration according to international regulatory requirements. We offer a wide portfolio of studies under GLP standards, from rodents (mouse, rat, guinea pig) to larger animals (dog, mini pigs and sheep), through different administration routes: from commonly used (oral, intraperitoneal) to the more elaborated (inhalation or dermal) and up to different repeated dose durations.

We have extensive experience performing:

- Nose-only and whole-body inhalation studies in rats and mice.
- Dermal toxicity studies in rabbits and mini pigs.
- Ophthalmic toxicity studies in rabbits.
- Pharmacokinetics studies in mice, rats, dogs and mini pigs.
- Tumorigenesis for cell therapy.
- Behavior models such as Morris Water Maze and Object Recognition.
- Non-regulatory carcinogenesis studies (Skin carcinogenesis).

For further information please visit our website at: www.vivotecnia.com

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XENOMETRIX AG

Gewerbestrasse 25
4123 Allschwil
Switzerland
www.xenometrix.ch

Xenometrix offers the Ames MPF assay kits for all strains required by the «OECD Guideline 471: **TA98, TA100, TA1535, TA1537, E. coli WP2 uvrA, E. coli WP2 [pKM101]**

The Ames MPF Kits kit include media, ampicillin, rat liver S9 (optional) and positive controls (optional). The assays are based on the fluctuation and pre-incubation method cited in the OECD Guideline 471, but use liquid media in microplates and have a colorimetric read-out.

Xenometrix also offers cytotoxicity kits with multiple endpoints for one cellular sample. Such an approach enhances the probability of identifying toxic compounds, uses less test compounds and removes inter-assay variability. For more questions, please visit our booth at the IUTOX 2010

GENERAL INFORMATION

Technical Secretariat at the Venues and On-site registration desk will be open during congress hours.

Registration fee covers:

Delegates registration

Attendance to all sessions
Congress documentation
Attendance certificate
Coffee break
Lunches
Welcome reception

Accompanying person registration:

Welcome reception
Panoramic tour with lunch on the 21st July

Posters Presentation:

Posters must be allocated from 08:30 to 09:00 a.m. the same date of your presentation. Posters will be exposed in the **Exhibition Area** during all day. Please check date and presentation time in the program.

Posters should be hang off before 18:00 h. the same date of your presentation, otherwise will be eliminated.

Social Events

Monday, July 19

20.00 Welcome Reception at the exhibition area

Wednesday, July 21

Panoramic Tour with lunch for the accompanying people registered
Departure at 10.00 h. from the Venue (outside the venue will be the couches)

Thursday, July 22

20.30 Gala dinner at Fira Palace hotel
Address: Rius y Taulet
No transfers will be provided

Official Language

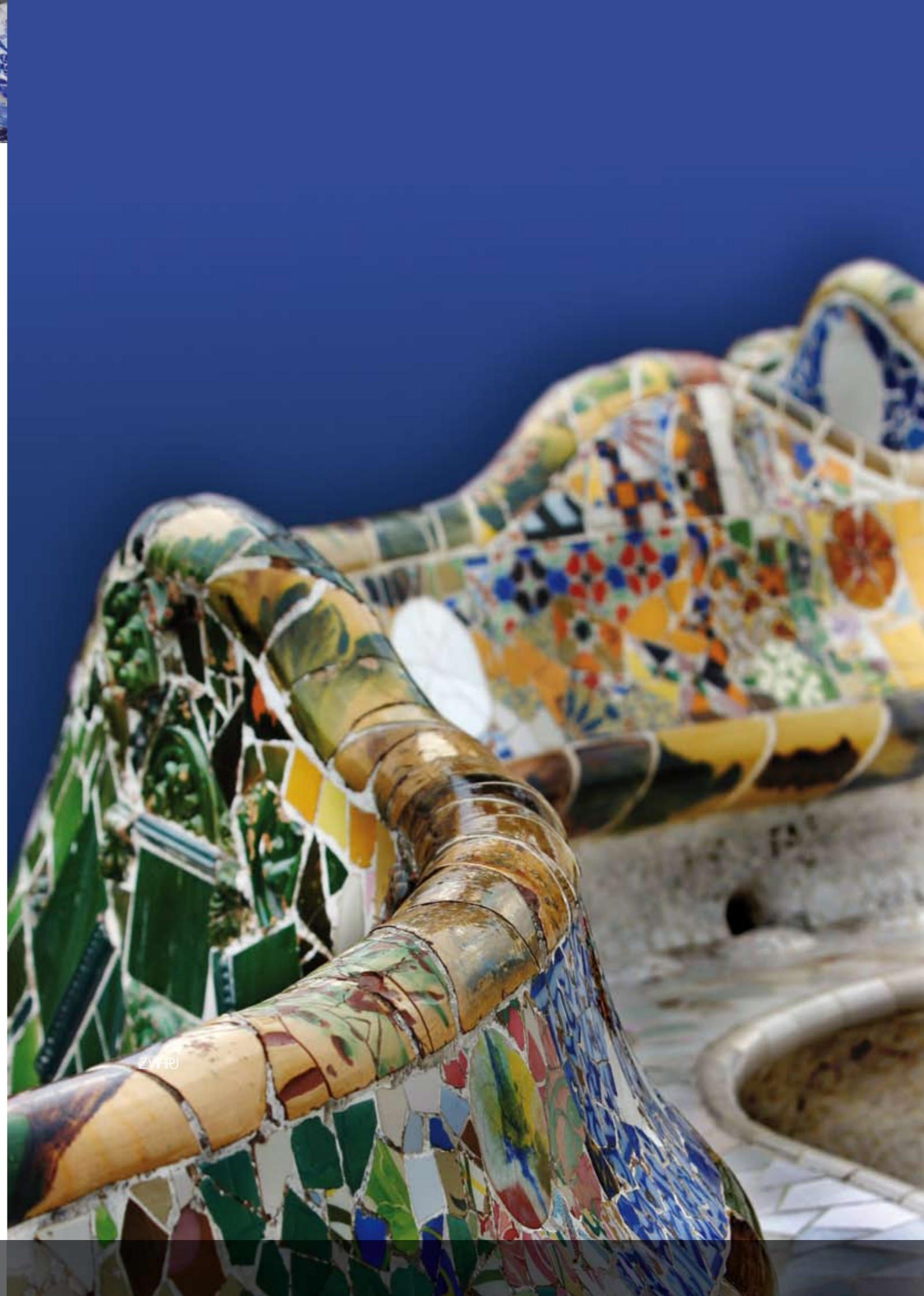
The oficial language of the Congress is English. NO simultaneous translation will be provided.

Badges and Security

It is Essentials that you wear your personal badge at all times while in the Congress venue and during the Social Events, as it is the oficial Entrance pass to scientific sessions and other congress activities. For the Social Events, it will also be necessary to present the corresponing ticket.

Medical Assistance and Insurance

Participants are advised to make their own arrangements regarding travel insurance and medical assistance during the congress. Neither the Organization nor the Congress Secretariat are able to accept any responsibility whatsoever for damage or injury to persons or their belongings during the Congress.





IUTOX 2010
BARCELONA

XII International Congress of Toxicology

Barcelona-Spain 19-23 July 2010



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