Detailed Programme

Status: 10 September, 2015

Sunday, 13 September, 2015		
08h00 - 18h00	Congress Registration	16h00 – 21h00 Exhibition
09h00 - 16h00	**Continuing Education Courses (CEC)** *including individual coffee & lunch breaks*	
09h00 - 15h30 **D. Luis Hall**	**CEC 1: Removing Obstacles on the Way to Implement 3R Methods in Toxicology** ***Chairs:*** *Herman Koëter, Belgium and Marc Teunis, The Netherlands* **Intro: General overview of the variables that determine the process of the regulatory acceptance and use of 3R models (Historical view & new vision)** Herman Koëter, Belgium and Marc Teunis, The Netherlands 09:00 – 09:30 **CEC1-1** **Removing Obstacles on the Way to implement 3R Methods in Hazard and Risk Assessment** Herman Koëter *Orange House Partnership, S.Lorenzo di Moriano, Lucca, Italy* 09:30 – 10:00 **CEC1-2** **Lessons learned from the 'SLIM' project; regulatory acceptance and use of 3R methods** *Cyrille Krul[1,2], Marie-Jeanne Schiffelers[3], Marc Teunis[2], Raymond Pieters[2,3,4] [1]TNO, Healthy Living, Zeist, Netherlands [2]University of Applied Sciences Utrecht, Life Sciences & Chemistry, Utrecht, Netherlands [3]Utrecht University, School of Governance, Utrecht, Netherlands [4]Utrecht University, IRAS, Utrecht, Netherlands 10:00 – 10:15 Coffee Break 10:15 – 10:45 ***Industrial point of view*** **CEC1-3** **The importance of the undescribed for industrial and regulatory application of animal-free methods for safety assessment** Erwin L. Roggen *3Rs Management and Consulting ApS, Lyngby, Denmark*	

EUROTOX 2015 Congress Host
Portuguese Society of Pharmacology
Av. da República, 34 1º
1050-193, Lisboa, Portugal
VAT No.: PT 507 605 039

EUROTOX 2015 Congress Organization
c/o K.I.T. Group GmbH Dresden
Münzgasse 2
01067 Dresden, Germany
Managing Director: Joerg Herrmann

Email: info@eurotox2015.org
Phone: +49 351 4967541
Fax: +49 351 4956116
VAT No.: PT 980 537 401
www.eurotox2015.com

	10:45 – 11:15 ***Regulators point of view*** **CEC1-4** **Removing obstacles on the way to implement 3R methods in toxicology: Regulators point of view** Sonja Beken *Federal Agency for Medicines and Health Products (FAMHP), DG PRE, Dept. Evaluators, Brussels, Belgium* 11:15 – 11:45 ***Academia's point of view*** **CEC1-5** **Implementing 3Rs methods in toxicology: a view from academia** Ian Kimber *University of Manchester, Faculty of Life Sciences, Manchester, United Kingdom* 11:45 – 12:00 Wrap-up before lunch Herman Koëter, Belgium and Marc Teunis, The Netherlands 12:00 – 13:00 Lunch Break 13:00 – 15:00 **CEC1-6** **Validation; truth or dare!** Round 1: Prioritizing factors that can be influenced by stakeholders Round 2: Actions to be taken to improve implementation and acceptance *Marc Teunis[1], Raymond Pieters[1,2], Cyrille Krul[1,3] *[1]University of Applied Sciences, Innovative Testing in Life Sciences & Chemistry, Utrecht, Netherlands* *[2]Utrecht University, Institute for Risk Assessment Sciences, Utrecht, Netherlands* *[3]TNO, Healthy Living, Zeist, Netherlands* 15:00 – 15:30 Wrap-up and conclusions Herman Koëter, Belgium and Marc Teunis, The Netherlands
09h30 – 15:30 **S. João Hall**	**CEC 2: Revisiting the Challenges Posed by New Recreational Drugs** ***Chairs:*** *Simon Gibbons, United Kingdom and Bruno Mégarbane, France* 09:30 – 10:00 **CEC2-1** **Novel psychoactive substances: a chemical overview for the toxicologist** Simon Gibbons *UCL School of Pharmacy, London, United Kingdom* 10:00 – 10:15 General Discussion

10:15 – 10:45
CEC2-2
Pharmacological characterization of designer cathinones in vitro
Matthias Liechti
University Hospital Basel, Basel, Switzerland

10:45 – 11:00
General Discussion

11:00 – 11:15
Coffee Break

11:15 – 11:45
CEC2-3
Understanding mechanisms of toxicity of designer cathinones: contribution of animal models
Bruno Mégarbane
Paris-Diderot University, Lariboisière Hospital, Paris, France

11:45 - 12:00
General Discussion

12:00 – 12:30
CEC2-4:
Toxicovigilance of new psychoactive substances – Perspectives from the EU Early Warning System
Michael Evans-Brown
EMCDDA, Lisbon, Portugal

12:30 – 12:45
General Discussion

12:45 – 13:45
Lunch Break

13:45 – 14:15
CEC2-5
New psychoactive substances: data from the STRIDA project
*Matilda Bäckberg[1], Olof Beck[2,3], Anders Helander[2,3]
[1]The Swedish Poisons Information Centre, Stockholm, Sweden
[2]Karolinska Institutet, Department of Laboratory Medicine, Stockholm, Sweden
[3]Karolinska University Laboratory, Stockholm, Sweden

14:15 – 14:30
General Discussion

14:30 – 15:00
CEC2-6
The new recreational drugs in the emergency department
David M. Wood
Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom

15:00 – 15:15 General Discussion

15:15 – 15:30 Conclusions

09h30 - 16h00

Arrabida Hall

CEC 3: Thresholds of Toxicological Concern – Basics and Latest Developments

Organised and supported by the International Life Sciences Institute (ILSI Europe)

Chairs: *Susan Barlow, United Kingdom and Kirstin Kosemund, Germany*

09:30 – 09:35
Introduction to the CEC on TTC
Susan Barlow, United Kingdom

09:35 - 10:05
CEC3-1
Introduction into the Tiered TTC Concept and regulatory status globally
*Kirstin Kosemund[1], Susan Felter[2]
[1]Procter & Gamble, Global Product Stewardship, Schwalbach am Taunus, Germany
[2]Procter & Gamble, Central Product Safety, Mason, OH, United States

10:05 – 10:20
Questions and answers

10:20 – 10:50
CEC3-2
Cancer thresholds, Cohort of Concern and other excluded substance groups
Alan Boobis
Imperial College, London, United Kingdom

10:50 – 11:05
Questions and answers

11:05 – 11:30
Coffee Break

11:30 – 12:00
CEC3-3
Non-cancer oral toxicity databases for TTC
Susan Barlow
Consultant, Brighton, United Kingdom

12:00 – 12:15
Questions and answers

12:15 – 12:45
CEC3-5
Estimation of Toxic Hazard - A Revised Cramer-Ford-Hall Decision Tree
*Jürgen Schnabel[1], Sean Taylor[2]
[1]Givaudan International AG, Product Safety and Regulatory Affairs, Kemptthal, Switzerland
[2]International Organisation of the Flavor Industry, Brussels, United States

12:45 – 13:00
Questions and answers

13:00 – 14:00
Lunch Break

	14:00 – 14:30 **CEC3-4** **Computational modelling for TTC assessment** *Andrew Worth[1], Chihae Yang[2] *[1]European Commission, Joint Research Centre, Ispra, Italy* *[2]Altamira LLC, Ohio, United States* 14:30 – 14:45 Questions and answers 14:45 – 15:15 **CEC3-6** **TTC concept: non oral routes and influence of local effects** Sylvia Escher *Fraunhofer ITEM, Chemical risk assessment, Hannover, Germany* 15:15 – 15:30 Questions and answers 15:30 – 16:00 Conclusions
09h30 - 16h00 Porto Hall	**CEC 4: Evaluating and Expressing Uncertainty in Hazard Characterization: New Guidance from the World Health Organization** ***Organised and supported by the World Health Organization (WHO)*** ***Chairs:*** *Carolyn Vickers, Switzerland and Matthias Herzler, Germany* 09:30 – 09:45 **Welcome and introductions** *Carolyn Vickers, World Health Organization, Switzerland* 09:45 – 10:30 **CEC4-1** **Probabilistic Hazard Characterization: The basic principles, and the general approach** Wout Slob *RIVM, Bilthoven, Netherlands* 10:30 – 11:15 **CEC4-2** **Deriving generic distributions from historical data for interspecies, intraspecies, and subchronic-chronic extrapolation, and how to deal with other uncertainties** Weihsueh Chiu *Texas A&M University, Veterinary Integrative Biosciences, College Station, United States* 11:15 – 11:30 Coffee Break 11:30 – 12:00 **CEC4-3** **Illustration of the software for probabilistic analysis (APROBA) using deoxynivalenol (DON) as a case study** Matthias Herzler *Federal Institute for Risk Assessment (BfR), Berlin, Germany*

	12:00 – 13:00 Lunch Break 13:00 – 14:30 Case Studies *Students are encouraged to bring their notebook computers (fully charged) to work in pairs on a practical training exercise using the software APROBA.* *Link to the WHO Guidance on Evaluating and Expressing Uncertainty in Hazard Characterization:* *http://www.who.int/ipcs/methods/harmonization/areas/hazard_assessment/en/* 14:30 – 14:45 Short break and preparation of final discussion 14:45 – 16:00 **Guided group discussion on applications of the probabilistic approach** Matthias Herzler *Federal Institute for Risk Assessment (BfR), Berlin, Germany*
09h30 - 15h00 Miragaia Hall	**CEC 5: Co-Exposure Risk Assessment: Approaches and Options for Prioritisation and Refinement** ***Supported by CEFIC LRI*** ***Chairs:*** *Heli M Hollnagel, Switzerland and Paul Price, United States of America* 09:30 – 10:15 **CEC5-1** **Refresher: Terminology, Models and tiered Schemes in Co-Exposure Risk Assessment** *Heli M Hollnagel, Nathalie Vallotton *Dow Europe GmbH, TERC, Horgen, Switzerland* 10:15 – 11:00 **Types and sources of exposure data in co-exposure risk assessment** **CEC5-2** **Data and models needed to calculate the risk of co-exposure in Europe** *Jacob van Klaveren[1], Hilko van der Voet[2] *[1]RIVM National Institute Public Health and the Environment, Bilthoven, Netherlands* *[2] Wageningen UR, Biometris, Wageningen, Netherlands* 11:00 – 11:30 Coffee Break 11:30 – 12:15 **CEC5-3** **Value and challenges of screening level assessments of co-exposures** Paul Price *US EPA, Computational Exposure Scientist National Exposure Research Laboratory, United States* 12:15 – 13:15 Lunch Break

	13:15 – 14:00 **Higher Tier Co-Exposure Assessments – Options for Refinements** **CEC5-4** **Regulatory challenges and methodological aspect for cumulative risk assessment** Roland A. Solecki *Federal Institute for Risk Assessment, Pesticide Safety, Berlin, Germany* 14:00 – 15:00 **Practical Exercise based on Case Studies** All speakers
09h30 - 15h00 **D. Maria Hall**	**CEC 6: Modern Risk Assessment in Food Safety** ***Chairs:*** *A. Wallace Hayes, United States of America and Dieter Schrenk, Germany* 9.30 - 10.05 **CEC6-1** **What is GRAS?** *Wally Hayes[1], Claire Kruger[2] *[1]Harvard University, Andover, United States* *[2]Spherix, Rockville, United States* 10.05 - 10.40 **CEC6-2** **Functional feed for farm animals from oil mill waste waters** Demetrios Kouretas *University of Thessaly, Biochemistry-Biotechnology, Larisa, Greece* 10.40 - 11.15 **CEC6-3** **The Margin-of-exposure approach in food safety risk assessment: Acrylamide as an example** Dieter Schrenk *University of Kaiserslautern, Food Chemistry and Toxicology, Kaiserslautern, Germany* 11.15 - 11.40 Coffee Break 11.40-12.15 **CEC6-4** **The cadmium case: data use and what to make out of it** Eugenia Dogliotti *Istituto Superiore di Sanità, Rome, Italy* 12.15 - 13.15 Lunch Break 13.15 - 13.50 **CEC6-5** **Assessment of the known and the unknown: Brominated flame retardants** *Marco Binaglia, Luisa Ramos Bordajandi, Ake Bergman, Alan Boobis, Sandra Ceccatelli, Jean-Pierre Cravedi, Metka Filipic, Peter Fuerst, Nicklas Johansson, Helle Knutsen, Miroslav Machala, Franco Merletti, Olaf Papke, Dieter Schrenk, Rolaf Van Leeuwen, Stefan Van Leeuwen *European Food Safety Authority, Unit on Biological Hazards and Contaminants, Parma, Italy*

	13.50 - 14.25 **CEC6-6** **New approaches to uncertainty in chemical risk assessment - the example of bisphenol A** *Trine Husøy, Andy Hart, Ralph Pirow, Wim C. Mennes, Detlef Wölfle, Paul A. Fowler, Ursula Gundert-Remy, Natalie von Goetz, Rudolf A. Woutersen, Davide Arcella, Anne Theobald, Cristina Croera, Anna F. Castoldi *European Food Safety Authority, Parma, Italy* **14.25 - 15.00 Final Discussion**
16h00	**Opening of the Exhibition** (Exhibition Area West Ground Floor)
17h00 - 19h00 Archive Hall	**Opening Ceremony** ***Chair:** Aristidis Tsatsakis, President of EUROTOX, Greece* 17.00-17.45 **Welcome Address** by Félix Carvalho President of the EUROTOX 2015 congress, Porto, Portugal **Welcome Address** by Aristidis Tsatsakis President of EUROTOX, Greece 17:45 – 18:00 **EUROTOX Merit Award Ceremony** 18:15 – 18:45 **Keynote Lecture: Public Understanding of Risk** Alexandre Tiedtke Quintanilha, Porto, Portugal
19h00 - 21h00	**Welcome Reception** (Exhibition Area West Ground Floor)
Monday, 14 September, 2015	
08h00 - 18h00	Congress Registration | 09h00 – 18h00 Exhibition
09h00 - 09h45 Archive Hall	**Keynote Lecture:** *Chair: David Bell, Finland* **K-1** **Systems Medicine, Microbiomes and Personalised Healthcare** Jeremy Nicholson *Imperial College London, London, United Kingdom*
09h45 - 10h00	Coffee Break, Exhibition and Poster Viewing
10h00 - 12h00 Archive Hall	**Symposium S01: Experiences of Substance Evaluation under REACH - Perspectives from ECHA, Member States and Industry** ***Chairs:** Ingo Bichlmaier, Finland and Eva Bonefeld-Jørgensen, Denmark* **S01-1** **Substance Evaluation under REACH - EU-cooperation to increase knowledge on safety of chemicals** Pia Korjus *European Chemicals Agency, Directorate Evaluation, Helsinki, Finland* **S01-2**

	Looking beyond REACH standard information requirements: Testing requested under Substance Evaluation Gabriele Schöning *ECHA, Evaluation, Helsinki, Finland* **S01-3** **Industries' perspective: How an 'identified concern' can drive 'better science?** Violaine Verougstraete *Eurometaux, EHS, Brussels, Belgium* **S01-4** **Member state priorities and role in Substance Evaluation** Magnus Løfstedt *Danish Environmental Protection Agency, Chemicals, Copenhagen, Denmark* **S01-5** **Conclusions of substance evaluation and possible following regulatory actions** Evelin Fabjan *European Chemicals Agency, Helsinki, Finland*
10h00 - 12h00 **Infante Hall**	**Workshop W01: Natural and Process-Related Carcinogens in Food: How Should the Risk be Assessed?** ***Chairs:*** *Dieter Schrenk, Germany and Ans Punt, The Netherlands* **W01-1** **Risk assessment of plant genotoxins** *Ans Punt, Ivonne M.C.M. Rietjens *Wageningen University, Wageningen, Netherlands* **W01-2** **Current risk assessment of pyrrolizidine alkaloids in food** Diane Benford *Food Standards Agency, London, United Kingdom* **W01-3** **Aristolochia species: A metabolomic and ethnopharmacological risk assessment focusing on local uses in Bangladesh** *Michael Heinrich, J. Michl *UCL School of Pharmacy, Centre for Pharmacognosy and Phytotherapy, London, United Kingdom* **W01-4** **Natural and Process-Related Carcinogens in Food: Macromolecular Adducts in Animal Models and Human Blood and Tissue Samples** *Hansruedi Glatt[1,2], Walter Meinl[2], Wolfram Engst[2], Fabian Schumacher[2,3], Benjamin Sachse[2], Kristin Herrmann[2], Gitte Barknowitz[2], Mareike Bernau[2], Carolin Bendadani[2], Melanie Wiesner[2,4], Monika Schreiner[4], Roman Tremmel[5], Achim Bub[6], Ulrich Zanger[5], Bernhard Monien[1,2] *[1]Federal Institute for Risk Assessment, Berlin, Germany [2]German Institute of Human Nutrition, Potsdam-Rehbrücke, Germany [3]University of Potsdam, Nuthetal, Germany [4]Leibniz-Institute of Vegetable and Ornamental Crops, Grossbeeren, Germany [5]Dr. Margarete Fischer-Bosch-Institute of Clinical Pharmacology, Stuttgart, Germany [6]Max Rubner Federal Research Institute of Nutrition and Food, Karlsruhe, Ger-

	many **W01-5** **Genotoxic and carcinogenic constituents in food and medicinal drugs: Margin of exposure, Virtually Safe Dose, TTC – which way to go?** Dieter Schrenk *University of Kaiserslautern, Food Chemistry and Toxicology, Kaiserslautern, Germany*
10h00 - 12h00 **Despachantes Hall**	**Workshop W02: Nanotoxicology Modelling for Risk Assessment: The Regulators' Dilemma** ***Chairs:*** *Karin Aschberger, Italy and João Paulo Teixeira, Portugal* **W02-1** **Feasibility and Challenges of Health Risk Assessment of Nanomaterials** *Zuzana Klöslova[1], Karin Aschberger[2], Jos Bessems[2], Kirsten Gerloff[2] [1]*ECHA, Evaluation, Helsinki, Finland* [2]*European Commission, JRC-IHCP, Systems Toxicology Unit, Ispra, Italy* **W02-2** **Evaluating and Modeling Oxidative Stress Responses of Immune Cells to Nanoparticles: Usefulness in Risk Assessments** Anna Shvedova[1,2] [1]*WVU, Physiology and Pharmacology, Morgantown, United States* [2]*West Virginia University, Physiology and Pharmacology, Morgantown, WV, United States* **W02-3** **Achievements and perspectives of computational nanotoxicology** Tomasz Puzyn *University of Gdansk, Faculty of Chemistry, Laboratory of Environmental Chemometrics, Gdansk, Poland* **W02-4** **Proteomics approaches for hazard assessment of nanomaterials and for supporting NM classification** *Andrea Haase[1], Marc Driessen[1], Rainer Ossig[2], Bryan Hellack[3], Antje Vennemann[4], Jürgen Schnekenburger[2], Martin Wiemann[4], Thomas Kuhlbusch[3], Wendel Wohlleben[5], Andreas Luch[1] [1]*German Federal Institute for Risk Assessment, Safety of Chemicals and Consumer Products, Berlin, Germany* [2]*Westfälische Wilhelms-Universität, Biomedical Technology Center, Münster, Germany* [3]*Institute of Energy and Environmental Technology (IUTA) e.V. , Duisburg, Germany* [4]*IBE R&d gGmbH, Münster, Germany* [5]*BASF SE, Ludwigshafen, Germany* **W02-5** **Moving towards a safe by design approach for ENM: linking ENM relevant properties to toxicological concerns** *Teresa Borges[1], Maria João Silva[2], Henriqueta Louro[2] [1]*General-Directorate of Health, Occupational and Environmental Health Division, Lisbon, Portugal* [2]*Instituto de Saúde Dr. Ricardo Jorge, Genética Humana, Lisboa, Portugal*
10h00 - 12h00 **Noble Hall**	**Workshop W03: Opportunities to Enhance Quality and Impact of Omics Sciences** ***Chairs:*** *Bennard van Ravenzwaay, Germany and Thomas Hartung, United States of America*

	W03-1 **RNA-sequencing in toxicogenomics** Jos Kleinjans *Maastricht University, Toxicogenomics, Maastricht, Netherlands* **W03-2** **The importance of data quality to enhance the impact of omics sciences** Timothy Gant *Public Health England, Fermie Avenue, Oxford, United Kingdom* **W03-3** **Identification of Potential Endocrine Disrupting Chemicals Using Gene Expression Biomarkers** Chris Corton *US-EPA, ISTD, NHEERL, Durham, NC, United States* **W03-4** **10 years of metabolomics research: the importance of quality control** *Hennicke Kamp[1], Eric Fabian[1], Markus Frericks[1], Michael Herold[2], Gerhard Krennrich[1], Ralf Looser[2], Werner Mellert[1], Gina Montoya[1], Erik Peter[2], Tzutzuy Ramirez[1], Michael Spitzer[2], Volker Strauss[1], Alexander Strigun[2], Tilmann Walk[2], Bennard van Ravenzwaay[1] [1]*BASF SE, Ludwigshafen, Germany* [2]*metanomics GmbH, Berlin, Germany* **W03-5** **Metabolomics: an opportunity for systemic toxicity assessment in vitro** Thomas Hartung *The Johns Hopkins University, Center for Alternatives to Animal Testing, Baltimore, United States*
12h00 - 14h00	Lunch Break, Exhibition & Poster Viewing
12h00 - 13h00 **Despachantes Hall**	**HESI CITE Lecture** ***Chair:** Syril D Pettit, United States* **K-2** **Phylotoxicology: breaking the artificial divide between human- and eco-toxicology** *John Colbourne[1], Mark Viant[1], Joseph Shaw[1,2] [1]*University of Birmingham, Birmingham, United Kingdom* [2]*Indiana University, School of Public and Environmenal affairs, Bloomington, United States*
13h30 - 15h30 **Infante Hall**	**SpS Sponsored Symposium of the European research initiative SEURAT:** **Predicting Long Term Toxic Effects Using Computer Models Based on Systems Characterization of Organotypic Cultures – The NOTOX Project** ***Chairs:** Elmar Heinzle, Germany and Fozia Noor, Germany* **Welcome and introduction** Elmar Heinzle, Germany **SpS-1** **Improved in vitro systems for prediction of hepatotoxicity** *Magnus Ingelman-Sundberg[1], Lisa Fredriksson Puigvert[1], Sebastian Klein[2], Peter

	Peters[3], Sabrina Moro[1], Catherine Bell[1], Delilah Hendriks[1], Daniel Müller[2], Viola Schweitzer[2], Fozia Noor[2], Elmar Heinzle[2] *[1]Department of Physiology and Pharmacology, Karolinska Institutet, Stockholm, Sweden* *[2]Saarland University, Biochemical Engineering, Saarbruecken, Germany* *[3]Institute of Nanoscopy, University of Maastricht, Maastricht, Netherlands* **SpS-2** **Toxicoproteomics applied to in vitro investigation of liver toxicity using HepaRG cells** *Fabrice Bertile[1], Georg Tascher[1], Daniel Müller[2], Sebastian Klein[2], Lisa Fredriksson[3], Inger Johansson[3], Valery Shevchenko[4], Christophe Chesne[4], Magnus Ingelmann-Sundberg[3], Elmar Heinzle[2], Fozia Noor[2], Alain Van Dorsselaer[1] *[1]CNRS-IPHC, Université de Strasbourg, Strasbourg, France [2]Saarland University, Biochemical Engineering, Saarbruecken, Germany [3]Karolinska Institutet, Physiology & Pharmacology, Stockholm, Sweden [4]Biopredic International, St Gregoire, France* **SpS-3** **Model and in vitro based prediction of human hepatotoxicity** *Jan Georg Hengstler[3], Dirk Drasdo[1,2], Geraldine Cellière[1], Raymond Reif[3], Marcel Leist[4], Jörg Rahnenführer[5], Regina Stöber[3], *[1]INRIA, Institute for Research in Computer Science , Le Chesnay Cedex, France [2]Universität Leipzig, Interdisciplinary Center for Bioinformatics, Leipzig, Germany [3]Leibniz Research Centre for Working Environment and Human Factors, Toxicology, Dortmund, Germany [4]University of Konstanz, TheDorenkamp-Zbinden Chair , Konstanz, Germany [5]University of Dortmund, Department of Statistics, Dortmund, Germany* **SpS-4** **Prediction of long term toxic effects by genome based network models** *Lothar Terfloth[1], Joachim Bucher[1], Sebastian Klein[2], Georg Tascher[3], Inger Johansson[4], Silvia Magioni[5], Fabrice Bertile[3], Magnus Ingelman-Sundberg[4], Alain van Dorsselaer[3], Emilio Benfenati[5], Fozia Noor[2], Elmar Heinzle[2], Klaus Mauch[1] *[1]Insilico Biotechnology AG, Stuttgart, Germany [2]Saarland University, Saarbrücken, Germany [3]CNRS Strasbourg, Strasbourg, France [4]Karolinska Institute, Stockholm, Sweden [5]Instituto di Ricerche Farmacologiche Mario Negri, Milan, Italy* **Final remarks and closure** Fozia Noor, Germany
14h00 - 16h00	**Poster Session 1** - in the Poster Areas on the Ground Floor (Exhibition Area, Foyers & Miniaturas Hall) and 1st Floor (Republic Room and Foyers)
15h30 - 16h00	Coffee Break, Exhibition & Poster Viewing
16h00 - 18h00 Noble Hall	**Workshop W04: New approaches to repeated dose toxicity assessment - are we ready to replace animal testing?** ***Chairs:*** *Amaia Irizar, United Kingdom and David Bell, Finland* **W04-1** **Safety Evaluation Ultimately Replacing Animal Testing: the SEURAT-1 approach?** Maurice Whelan *European Commission Joint Research Centre, Institute for Health and Consumer Protection, Ispra, Italy* **W04-2**

	A High Throughput Microscopy Toxicity Pathway Reporter Platform for Chemical Safety Assessment *Steven Wink[1] , Bob van de Water[2] *[1]Leiden University, Division of Toxicology & Leiden Cell Observatory High Content Imaging Screening Facility Leiden Academic Centre for Drug Research (LACDR), Leiden, Netherlands* *[2]Leiden University, Leiden Academic Centre for Drug Research, Leiden, Netherlands* **W04-3** **Functional intravital imaging of hepatotoxicity: comparing intact livers to 3D in vitro systems** *Jan Georg Hengstler[1], Dirk Drasdo[2], Geraldine Celliere[2], Seddik Hammad[1], Ahmed Ghallab[1], Raymond Reif[1], Rosemarie Marchan[1], David A. Fluri[3], Jens M. Kelm[3], Patricio Godoy[1] *[1]Leibniz Research Centre for Working Environment and Human Factors, Toxicology, Dortmund, Germany* *[2]Institute National de Recherche en Informatique et en Automatique (INRIA), Le Chesnay Cedex, France* *[3]InSphero AG, Schlieren, Switzerland* **W04-4** **A 3D Liver Co-Culture System for Evaluating Drug-Induced Adverse Outcome Pathways Leading to Fibrosis** Leo van Grunsven *Vrije Universiteit Brussel, Liver Cell Biology Laboratory, Brussels, Belgium* **W04-5** **Exploiting data derived from non-standard methods for chemical risk assessment** George Daston *Procter & Gamble, Victor Mills Society Research Fellow, Cincinnati, United States*
16h00 - 18h00 **Despachantes Hall**	**Symposium S02: New Advances in *In Vivo* Mutagenicity Testing and Application in the Regulatory Setting** ***Chairs:** Frank Le Curieux, Finland and David Kirkland, United Kingdom* **S02-1** **The Transgenic Rodent Gene Mutation Test** Carol Beevers *Covance Laboratories Ltd, Harrogate, United Kingdom* **S02-2** **The comet assay – Peculiarities, pitfalls and interpretation** Brian Burlinson *Huntingdon Life Sciences / Harlan Laboratories, Huntingdon, United Kingdom* **S02-3** **The Pig-A Assay – Its potential applications in regulatory mutagenicity testing** Roland Froetschl *BfArM Federal Institute for Drugs and Medical Devices, Genetic and Reproductive Toxicology, Bonn, Germany* **S02-4** **Application of in vivo assays in a regulatory setting** David Kirkland

	Kirkland Consulting, Tadcaster, United Kingdom **S02-5** **New advances in vivo mutagenicity tests: application of the guidance of the European Food Safety Authority** *Riccardo Crebelli[1], Maria Carfì[2], Juan Manuel Parra Morte[2], Anna Maria Rossi[2], Maria Vittoria Vettori[2], Daniela Maurici[2] *[1]Istituto Superiore di Sanità, Rome, Italy* *[2]European Food Safety Authority, Parma, Italy*
16h00 - 18h00 **Archive Hall**	**Workshop W05: Drug Induced Liver Injury: Prediction Based on Preclinical Approaches** ***Chairs:** Bob van de Water, The Netherlands and Richard Weaver, France* **W05-1** **Predicting risk of human drug-induced liver injuries from non-clinical studies in R&D** Richard Weaver *Institut de recherches internationales servier, Scientific Dept, Paris, France* **W05-2** **DILI: from chemical and metabolism to man** Brian K. Park *University of Liverpool, Tanslational Medicine, Liverpool, United Kingdom* **W05-3** **Mechanistic Insights in TNF signaling and Drug-induced Liver Injury: Towards a Predictive Preclinical Toolbox** Bob van de Water *Leiden University, Leiden Academic Centre for Drug Research, Leiden, Netherlands* **W05-4** **Role of the immune system in DILI; lessons learned from animal studies** Raymond Pieters *Utrecht University-IRAS, Utrecht, Netherlands* **W05-5** **Unravelling the impact of hepatotoxic drugs by dynamic pathway modelling** Ursula Klingmueller *DKFZ, B200, Heidelberg, Germany*
16h00 - 18h00 **Infante Hall**	**Workshop W06: Needs and Challenges in Developing a Weight of Evidence Approach for Endocrine Disrupters** ***Chairs:** Matthias Öberg, Sweden and Anna Beronius, Sweden* **W06-1** **Endocrine disruptors and PCOS: Pathophysiological aspects** Evanthia Diamanti-Kandarakis *Universityof Athens, Medicine, Athens, Greece* **W06-2** **Information/testing strategies for identification of substances with endocrine disrupting properties**

	*Sofie Christiansen[1], Henrik Holbech[2], Poul Bjerregaard[2], Ulla Hass[1] *[1]Technical University of Denmark, National Food institute, Søborg, Denmark* *[2]University of Southern Denmark, Department of Biology, Odense M, Denmark* **W06-3** **Practical example of a WoE-approach with BPA and other endocrine disruptor compounds** Claire Beausoleil *ANSES, Risk Assessment Department, Maisons-Alfort Cedex, France* **W06-4** **A proposal for systematic review and assessment of endocrine disruption** *Anna Beronius[1], Marlene Ågerstrand[1], Christina Rudén[1], Åke Bergman[2] *[1]Stockholm University, Department of Environmental Science and Analytical Chemistry, Stockholm, Sweden* *[2]Swetox, Södertälje, Sweden*
18h30 - 20h00	**AstraZeneca Reception (by invitation only),** Venue: Hotel Vincci, Porto
20h00	**Speaker's Dinner (by invitation only),** Venue: Taylor's, Porto
Tuesday, 15 September, 2015	
08h00 - 18h00	Congress Registration / 09h00 – 17h00 Exhibition
08h30 - 09h30 Archive Hall	**Keynote Lecture Bo Holmstedt Memorial Fund** ***Chair:** Herman Autrup, Denmark* **K-3** **Exposome science for public health protection and innovation** Dimosthenis Sarigiannis *Aristotle University of Thessaloniki, Chemical Engineering, Thessaloniki, Greece*
09h30 - 10h00	Coffee Break, Exhibition and Poster Viewing
10h00 - 12h00 Infante Hall	**Workshop W07: Molecular Stress at Mucosal Surfaces: Contribution to Adverse Immune Responses** ***Chairs:** Emanuela Corsini, Italy and Mojmir Mach, Slovakia* **W07-1** **Skin perturbations, stress surveillance and atopy** Jessica Strid *Imperial College London, Medicine, London, United Kingdom* **W07-2** **Epithelial stress and contact dermatitis** *Stefan F. Martin, Philipp R. Esser *University of Freiburg - Medical Center, Dermatology, Allergy Research Group, Freiburg, Germany* **W07-3** **Immunomodulation of chemicals at the lung epithelium** Jitka Stilund Hansen *The National Research Centre for the Working Environment, Copenhagen, Denmark* **W07-4**

	Interaction between intestinal epithelial cells and intraepithelial lymphocytes in food allergy *Marianne Bol-Schoenmakers[1], Saskia Braber[1,2], Joost J. Smit[1], Raymond H. H. Pieters[1] *[1]Utrecht University, Institute for Risk Assessment Sciences (IRAS), Utrecht, Netherlands* *[2]Utrecht University, Utrecht Institute for Pharmaceutical Sciences, Utrecht, Netherlands*
10h00 - 12h00 **Noble Hall**	**Workshop W08: Doping in Sports: A Toxicological Perspective** ***Chairs:** Christina Tsitsimpikou, Greece and Luis Horta, Brazil* **W08-1** **Reported Target Organ Toxicity of Doping Substances: Animal Studies and Human Case Reports** Arif Ahmet Başaran[1,2] *[1]Hacettepe University Faculty of Pharmacy, Pharmacognosy , Ankara, Turkey* *[2]Hacettepe University, Turkish Doping Control Center, Ankara, Turkey* **W08-2** **Detection of doping substances residues in biological material: a comparative approach** *Andreas Tsakalof[1], Manolis Tzatzarakis[2], Christina Tsitsimpikou[3] *[1]University of Thessaly, Faculty of Medicine, Larisa, Greece, [2]University of Crete, Medical School, Heraklion, Greece, [3]General Chemical State Laboratory of Greece, Athens, Greece* **W08-3** **Doping substances in nutritional supplements: a possible risk for public health** Christina Tsitsimpikou *General Chemical State Laboratory of Greece, Directorate of Energy, Industrial and Chemical Products, Athens, Greece* **W08-4** **Medical conditions or pathologies that could require treatment with prohibited substances: the Therapeutic Use Exemption approach** Luis Horta *Autoridade Brasileira de Controle de Dopagem, SAN Edificio DNIT, Brasília, Brazil* **W08-5** **Fighting doping during Olympic Games: the experience gained and a glance in the future** Sasho Popovski *Macedonian Olympic Committee, Skopje, Former Yugoslavic Republic of Macedonia (FYROM)*
10h00 - 12h00 **Archive Hall**	**Symposium S03: Reactive Metabolites and Molecular Mechanisms of Adverse Drug Reactions** ***Chairs:** Hilmi Orhan, Turkey and Heather M Wallace, United Kingdom* **S03-1** **Reactive metabolites: In vitro screening techniques and potential extrapolation to in vivo** Olavi Pelkonen *University of Oulu, Pharmacology and Toxicology, Oulu, Finland*

	S03-2 **Reactive electrophiles: Toxicity to target** Michael Cameron *Scripps Research Institute, Molecular Therapeutics, Jupiter, United States* **S03-3** **Role of genetic polymorphism of protective enzymes in the inactivation of reactive drug metabolites** Jan Commandeur *VU University Amsterdam, Molecular Toxicology, Amsterdam, Netherlands* **S03-4** **Pharmacogenomic factors affecting adverse drug reactions involving reactive metabolites** Ann Daly *Newcastle University, Institute of Cellular Medicine, Newcastle upon Tyne, United Kingdom*
10h00 - 12h00 **Despachantes Hall**	**Symposium S04: Challenges for Combined Effects of Chemical Mixtures in Risk Assessment** ***Chairs:*** *Claudio Colosio, Italy and Antonio Hernández-Jerez, Spain* **S04-1** **Modelling risk for chemical mixtures** *Athanasios Alegakis[1], Vasilis Androutsopoulos[1], Spyros Karakitsios[2], Dimosthenis Sarigiannis[2] *[1]University of Crete, Laboratory of Toxicology, Heraklion, Greece* *[2]Aristotle University of Thessaloniki, Department of Chemical Engineering, Thessaloniki, Greece* **S04-2** **A prototype algorithm to calculate health-based exposure limits for a safe use of pesticides** *Claudio Colosio, Stefan Mandic-Rajcevic, Federico Maria Rubino *Department of Health Sciences of the University of Milan, International Centre for Rural Health of the University Hospital San Paolo, and Laboratory for Analytical Toxicology and Metabonomics, Milan, Italy* **S04-3** **Interpretation of biological monitoring data in exposure to complex mixtures** *Lode Godderis[1,2], Radu-Corneliu Duca[1], Nathalie Grova[3], Katrien Poels[4], Jeroen Vanoirbeek[1], Brice MR Appenzeller[3] *[1]KULeuven, Centre for Environment and Health, Leuven, Belgium* *[2]IDEWE, Heverlee, Belgium* [3]Luxembourg Institute of Health, LABH, Esch sur Alzette, Luxembourg [4]KULeuven-IDEWE, Centre for Environment and Health, Leuven, Belgium **S04-4** **Assessment of chemical mixtures toxicity by novel target organ-specific biomarkers** *Antonio Hernández-Jerez[1], David Lozano[1], Fernando Gil[1], Tesifón Parrón[1,2], Raquel Alcarcón[2], Mar Requena[2], Marina Lacasaña[3] *[1]University of Granada School of Medicine, Legal Medicine and Toxicology, Granada, Spain* *[2]University of Almeria School of Health Sciences, Neurosciences and Health Sciences, Almería, Spain*

	[3]*Andalusian School of Public Health, Granada, Spain* **S04-5** **Assessing the feasibility of mixture risk assessment – case studies with pesticides and environmental pollutants** *Andreas Kortenkamp, Richard Evans, Olwenn V. Martin *Brunel University London, Institute of Environment, Health and Societies, Uxbridge, United Kingdom*
10h00 - 10h30 **D. Luis Hall**	**Exhibitor Hosted Session by QIAGEN**
12h00 - 13h00 **Archive Hall**	**EUROTOX-SOT Debate:** **D** **In Vitro Alternatives are Ready to be Implemented and Relied Upon for Human Safety Testing** ***Chairs:** John Morris, United States of America and Mumtaz Iscan, Turkey* **From EUROTOX:** Maurice Whelan *European Commission Joint Research Centre, EURL ECVAM, Ispra, Italy* **From SOT:** George Daston *Procter & Gamble, Victor Mills Society Research Fellow, Cincinnati, United States* Board of Trustees Distinguished Professor Department of Pharmaceutical Sciences University of Connecticut Storrs, CT 06269-3092
13h00 - 14h00	Lunch Break, Exhibition & Poster Viewing
14h00 - 15h00 **Archive Hall**	**Keynote Lecture:** ***Chair:** Jyrki Liesivuori, Finland* **K-4** **Challenges for a full replacement of animal models to assess immunotoxicty** Emanuela Corsini *Università degli Studi di Milano, Dipartimento di Chimica, Milan, Italy*
15h00 - 17h00	**Poster Session 2** - in the Poster Areas on the Ground Floor (Exhibition Area, Foyers & Miniaturas Hall) and 1st Floor (Republic Room and Foyers)
16h30 - 17h00	Coffee Break & Exhibition Viewing | 17h00: Closing of the Exhibition
17h00 - 19h00 **Infante Hall**	**Symposium S05: Environment, Epigenetic Mechanisms and Immunotoxicology** ***Chairs:** Raymond H. H. Pieters, The Netherlands and Unni C. Nygaard, Norway* **S05-1** **Developmental origin of immune diseases – Environmental influences** *Marin Strøm[1], Thorhallur Ingi Halldorsson[1], Susanne Hansen[1], Sjurdur Olsen[1], Ronald Dahl[2], Hans Jurgen Hoffmann[3], Dorte Rytter[4], Bodil Hammer Bech[4], Allan Linneberg[5], Panu Rantakokko[6], Hannu Kiviranta[6] [1]Statens Serum Institute, Department of Epidemiology Research, Statens Serum Institute, Copenhagen, Iceland [2]Odense University Hospital, The Allergy Centre, Odense, Denmark [3]Aarhus University Hospital, Department of Pulmonary Medicine and Allergy, Aarhus, Denmark [4]Aarhus University, Department of Public Health, Section for Epidemiology, Aarhus, Denmark [5]Department of Clinical Experimental Research, Glostrup University Hospital, Glostrup, Denmark [6]National Institute for Health and Welfare, Department of Environmental Health, Kupio, Finland* **S05-2**

	General introduction to epigenetic mechanisms and methods Mariona Bustamante[1,2] *[1]Center for Research in Environmental Epidemiology, Barcelona, Spain* *[2]Center for Genomic Regulation, Barcelona, Spain* **S05-3** **Epigenetic mechanisms as tool for fetal programming and possible environmental influences** Eva Cecilie Bonefeld-Jørgensen *Aarhus University, Centre for Arctic Health, Department of Public Health, Aarhus, Denmark* **S05-4** **Environmental exposures, epigenetics, and allergy** Wilfried Karmaus *University of Memphis, School of Public Health , Epidemiology, Biostatistics, and Environmenmental Health, Memphis, United States* **S05-5** **Towards Understanding the Immune Mechanism of Air Pollution-Associated Asthma** Kari Nadeau *Stanford University, Pediatrics, Stanford, United States*
17h00 - 19h00 **Noble Hall**	**Symposium S06: Emerging Drugs of Abuse – An Increasing Problem also in Toxicology** ***Chairs:*** *Hans H. Maurer, Germany and Marilyn Huestis, United States of America* **S06-1** **Responding to new psychoactive substances in Europe – the EU Early Warning System and risk assessment** *Michael Evans-Brown, Roumen Sedefov *EMCDDA, Lisbon, Portugal* **S06-2** **In-vitro toxicokinetics of New Psychotropic Substances (NPS)** Hans H. Maurer *Saarland University, Dept. of Exper. & Clinical Toxicology, Homburg, Germany* **S06-3** **In vivo Toxicokinetics of Novel Psychoactive Substances (NPS) in Rats** *Marilyn A. Huestis[1], Marta Concheiro[1]; Karl B. Scheidweiler[1]; Sebastien Anizan[1], Kurt R. Lehner[2], Mohammad O. Bukhari[2], Masaki Suzuki[3,4], Kenner C. Rice[3], Michael H. Baumann[2] *[1]Chemistry and Drug Metabolism, Baltimore, MD, United States [2]Designer Drug Research Unit, Baltimore, MD, United States [3]Drug Design and Synthesis Section, IRP, National Institute on Drug Abuse and National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, Baltimore, MD, United States, [4]Medicinal Chemistry Group, Qs' Research Institute, Otsuka Pharmaceutical Co., Ltd., Tokushima, Japan* **S06-4** **Sources of Data on the Acute Toxicity Associated with the use of New Psychoactive Substance (NPS)** Paul I. Dargan[1,2]

[1]*Guy's and St Thomas' NHS Foundation Trust and King's Health Partners, London, United Kingdom*
[2]*King's College London, London, United Kingdom*

S06-5
Fatal poisonings caused by NPS, new psychoactive substances
Robert Kronstrand
National Board of Forensic Medicine, Forensic Toxicology, Linkoping, Sweden

17h00 - 19h00

Archive Hall

Workshop W09: Toxicological and Ecotoxicological Aspects of Metal Based Nanomaterials

Chairs: *Syed Ali, United States of America and Anne Kahru, Estonia*

W09-1
Intestinal handling of mineral nanoparticles: friends or foes from food?
Jonathan Powell
MRC Human Nutrition Research, Cambridge, United Kingdom

W09-2
Engineered Metallic Nanoparticles: Pro-inflammatory response and effects on integrity of Blood-Brain-Barrier
* Syed Ali[1], Susan Lantz-Mc-Peak[1], Bonnie Robinson[1], Hector Rosas_Hernandez[1], Carmen Gonzalez[2], William Trickler[1], Saber Hussain[3]
[1]*NCTR, Division of Neurotoxicology, Jefferson, United States* [2]*Universidad Autonoma de San Lois Potosi, Coordinacion para la Innovacion y la Aplicacion de la Ciencia y la Tecnologia, San Luis Potosi, Mexico, Mexico* [3]*WP Air Force Research Laboratory, Applied Biotechnology Branch, Human Effectiveness Directorate, AFB, OH, United States*

W09-3
Novel developments in ecosafety of metal-containing nanomaterials
*Anne Kahru, Irina Blinova, Angela Ivask, Kaja Kasemets, Olesja Bondarenko, Monika Mortimer, Villem Aruoja
National Institute of Chemical Physics and Biophysics, Laboratory of Environmental Toxicology, Tallinn, Estonia

W09-4
Metallic nanomaterials: From (eco)toxicity to risk assessment
*Willie Peijnenburg[1,2], Martina Vijver[1]
[1]*University Leiden, Center for Environmental Sciences, Leiden, Netherlands*
[2]*National Institute for Public Health and the Environment (RIVM), Center for Safety of Substances and Products, Bilthoven, Netherlands*

W09-5
Modeling of Toxicity of Metal Oxide Nanoparticles
*Robert Rallo[1], Alberto Fernández[2], Francesc Giralt[2]
[1]*Universitat Rovira i Virgili, Departament d'Enginyeria Informatica i Matematiques, Tarragona, Spain* [2]*Universitat Rovira i Virgili Departament d'Enginyeria Química, Tarragona, Spain*

17h00 - 19h00

Despachantes Hall

Workshop W10: Toxicokinetic Modelling as an Integrating Principle in Non-Animal Toxicity Testing

Chairs: *Ursula Gundert-Remy, Germany and Heidi Foth, Germany*

W10-1

	Toxicokinetic modelling: a necessary tool for quantitative risk assessment in animal-free toxicity testing Jos Bessems *until 2015-09-01 - EC Joint Research Centre, Systems Toxicology Unit - EURL ECVAM, Ispra, Italy* **W10-2** **Building a toxicokinetic model using in vitro/in silico data: what is needed?** Olavi Pelkonen *University of Oulu, Pharmacology and Toxicology, Oulu, Finland* **W10-3** **Building a non-animal toxicokinetic model: what can be done? Case studies and lessons learned** Ursula Gundert-Remy *Charité, Berlin, Germany* **W10-4** **Cosmetics as a test case for non-animal testing?** *Vera Rogiers, Tamara Vanhaecke *Vrije Universiteit Brussel, In Vitro Toxicology and Dermato-Cosmetology, Brussels, Belgium*
20h00 - 24h00	**Gala Dinner** at The Stock Exchange Palace
Wednesday, 16 September, 2015	
08h00 - 13h00	Congress Registration
08h30 - 10h30 **Noble Hall**	**Workshop W11: ABC Transporters as Important Key in Xenobiotic (Pharma) Toxicokinetics** ***Chairs:*** *Fernando Remião, Portugal and Xavier Declèves, France* **W11-1** **Induction and activation of P-glycoprotein efflux pump as a therapeutic strategy** *Fernando Remião[1], Renata Silva[1], Vânia Vilas-Boas[1], Helena Carmo[1], Ricardo Jorge Dinis-Oliveira[1,2,3], Félix Carvalho[1], Maria de Lourdes Bastos[1] *[1]UCIBIO-REQUIMTE, Lab Toxicology, Fac. of Pharmacy - University of Porto, Porto, Portugal* *[2]INFACTS - Institute of Research and Advanced Training in Health Sciences and Technologies, Advanced Institute of Health Sciences – North (ISCS-N), Gandra, Portugal* *[3]Department of Legal Medicine and Forensic Sciences, Fac. of Medicine - University of Porto, Porto, Portugal* **W11-2** **ABC Transporters at the Blood-brain Barrier against Neurotoxicity of Xenobiotics** Xavier Declèves *University Paris Descartes, Department of Pharmacokinetics, Paris, France* **W11-3** **Transporters and drug-drug interactions: important determinants of drug disposition and effects** Martin F. Fromm *Friedrich-Alexander-University Erlangen-Nuremberg, Institute of Experimental and*

	Clinical Pharmacology and Toxicology, Erlangen, Germany **W11-4** **Thioxanthones derivatives as dual inhibitors of P-glycoprotein and tumor cell growth** *Maria Emília Sousa[1,2], Andreia Palmeira[1], Ana Oliveira[1], Vanessa Lopes-Rodrigues[3,4,5], Marta Correia-da-Silva[1,2], Raquel Lima[3,4], Maria Helena Vasconcelos[1,3,4], Madalena Pinto[1,2] *[1]Faculty of Pharmacy, University of Porto, Porto, Portugal* *[2]CIIMAR – Interdisciplinary Centre of Marine and Environmental Research, Porto, Portugal* *[3]Cancer Drug Resistance Group, IPATIMUP - Institute of Molecular Pathology and Immunology of the University of Porto, Porto, Portugal* *[4]Instituto de Investigação e Inovação em Saúde, Universidade do Porto, Porto, Portugal* *[5]Institute of Biomedical Sciences Abel Salazar, University of Porto, ICBAS-UP, Porto, Portugal* **W11-5** **Pharmacogenomics of ABC drug transporters: Clinical implications** Eugenia Yiannakopoulou *Technological Educational Institute of Athens, Athens, Greece*
08h30 - 10h30 Infante Hall	**Symposium S07: MicroRNAs- Mediators and Markers of Chemically-Induced Toxicity** ***Chairs:*** *David Bell, Finland and Timothy Gant, United Kingdom* **S07-1** **miRNAs in toxicology; the link to epigenetic effects** *Timothy Gant, Emma Marcxylo *Public Health England, Fermie Avenue, Didcot, United Kingdom* **S07-2** **MiRNAs in drug induced steatosis and its link to human non-alcoholic fatty liver disease** Juergen Borlak *Hannover Medical School, Centre for Pharmacology and Toxicology, Hannover, Germany* **S07-3** **miRNA as population variability-independent biomarkers of toxicity** Ivan Rusyn *Texas A&M University, College Station, United States* **S07-4** **MicroRNAs in drug-induced liver injury** Chris Goldring *University of Liverpool, MRC Centre for Drug Safety, Liverpool, United Kingdom* **S07-5** **Potential translational safety biomarkers for the small intestine: miRNA vs citrulline** Philip Hewitt *Merck Serono, Non-Clinical Safety, Darmstadt, Germany*

08h30 - 10h30 Archive Hall	**Workshop W12: Physiology of Infant Skin and Considerations for Quantitative Risk Assessment of Dermally Applied Substances** ***Supported by Procter & Gamble as well as Johnson & Johnson*** ***Chairs:*** *Susan Felter, United States of America and Georgios Stamatas, France* **W12-5** **Quantitative Risk Assessment in the EU of Cosmetics for Babies and Children** Vera Rogiers *Vrije Universiteit Brussel, In Vitro Toxicology and Dermato-Cosmetology, Brussels, Belgium* **W12-1** **Infant Skin: Overview of Physiology and Maturation** Antonio Torrelo *Hospital Niño Jesús, Dermatology, Madrid, Spain* **W12-2** **Dermal Penetration: Models and Non-Invasive Measurements for Clinical Studies** Georgios Stamatas *Johnson & Johnson Sante Beaute France, Issy-les-Moulineaux, France* **W12-3** **Quantifying the skin barrier from infant to adult** Maeve Kelleher *University College Cork, Paediatrics and Child Health, Cork, Ireland* **W12-4** **Diapered Skin and Diaper Dermatitis: Implications for Risk Assessment** Susan Felter *Procter & Gamble, Central Product Safety, Mason, OH, United States*
08h30 - 10h30 Despachantes Hall	**Workshop W13: Non-Monotonic Dose-Response Curve in Hormonally Active Substances** ***Supported by CEFIC LRI*** ***Chairs:*** *Bruno Hubesch, Belgium and Emanuela Testai, Italy* **W13-1** **Dose-response relationship: monotone vs non-monotone curve** Emanuela Testai *Istituto Superiore di Sanità, Environment and Primary Prevention, Rome, Italy* **W13-2** **Low Dose/ Dose Response Relationship of Hormonally Active Substances and their Mixture - Testing Endocrine Disruptors in Classical and Molecular Endpoints at Human-Relevant Exposure Levels** *Steffen Schneider[1], Karma C. Fussell[1], Stephanie Melching-Kollmuss[2], Sibylle Gröters[1], Volker Strauss[1], Benazir Siddeek[3], Mohamed Benahmed[3], Markus Frericks[2], Bennard van Ravenzwaay[1] *[1]BASF SE, Experimental Toxicology and Ecology, Ludwigshafen, Germany* *[2]BASF SE, Product Safety, Ludwigshafen, Germany* *[3]Centre Méditerranéen de Médecine Moléculaire, INSERM U895, Nice, France*

	W13-3 **Risk assessment of 'endocrine substances': Guidance on identifying endocrine disruptors** Richard Green *Syngenta, Global Product Safety, Bracknell, United Kingdom* **W13-4** **Risk assessment of endocrine disruptors: is there data support to deviate from the traditional approach relying on potency?** Helmut Greim *Technical University of Munich, Freising-Weihenstephan, Germany* **W13-5** **Regulatory Perspective on Non-Monotonic Dose-Response Curves and "Low dose effects"** Niklas Andersson European Chemicals Agency (ECHA), Helsinki, Finland
10h30 - 11h00	Coffee Break
11h00 - 13h00 **Noble Hall**	**Symposium S08: Long-Term Effects of Pre- and Early Postnatal Exposure to Environmental Contaminants** ***Chairs:*** *Thomas Weiser, Switzerland and Martin Wilks, Switzerland* **S08-1** **Exposure, effects and disease in the real world** Jyrki Liesivuori *University of Turku, Pharmacology, Drug Development and Therapeutics, Turku, Finland* **S08-2** **Use of biomarkers to unravel the risks from prenatal environmental exposures for later health outcomes** *Greet Schoeters[1,2], Eva Govarts[1,2], Sylvie Remy[1,2] *[1]VITO, Environmental Risk and Health, MOL, Belgium* *[2]University of Antwerp, Biomedical Dept, Antwerp, Belgium* **S08-3** **Prenatal long term pesticide exposure and its association with pregnancy problems and birth defects** Aristidis Tsatsakis *University of Crete, Medical school, Heraklion, Crete, Greece* **S08-4** **Neurodevelopmental and neurobehavioural effects of polybrominated and perfluorinated chemicals** Martin Wilks *University of Basel, Swiss Centre for Applied Human Toxicology, Basel, Switzerland*
11h00 - 13h00 **Infante Hall**	**Symposium S09: Pharmacovigilance: Rational and Safe Use of Drugs** ***Chairs:*** *Eren (Civelek) Ozcagli, Turkey and Sini Eskola, Belgium* **S09-1** **Past, present and future of pharmacovigilance: an update for current aspect** Eren Ozcagli

	Istanbul University, Faculty of Pharmacy, Department of Pharmaceutical Toxicology, Istanbul, Turkey **S09-2** **New features of the pharmacovigilance legislation and their impact on pharmaceutical industry** Sini Eskola *European Federation of Pharmaceutical Industries and Associations, Regulatory Affairs, Brussels, Belgium* **S09-3** **The role of digital and social media on pharmacovigilance and their effect on personalised healthcare** *Dionysios Vynias, Aristidis Tsatsakis, Manolis Tzatzarakis *University of Crete, Medical School, Laboratory of Toxicology, Heraklion, Greece* **S09-4** **Importance of pharmacogenetics in adverse drug reactions** Semra Sardas *Marmara University, Faculty of Pharmacy, Department of Pharmaceutical Toxicology, Istanbul, Turkey* **S09-5** **Drug interactions in pharmacovigilance** *will be replaced:* Alberico L. Catapano
11h00 - 13h00 **Despachantes Hall**	**Workshop W14: Alternative Toxicity Testing Using Multicellular *In Vivo* Models** ***Chairs:*** *Marjolein Wildwater, The Netherlands and Herman Spaink, Netherlands* **W14-1** **C. *elegans* as robust, high throughput in vivo system for hazard assessment** *Marjolein Wildwater[1], Engelien Kerkhof[1], Christien Lokman[1], Raymond Pieters[2,3] *[1]University of Applied Sciences Arnhem and Nijmegen, BioCentre, Nijmegen, Netherlands [2]University of Applied Sciences, Utrecht, Innovative testing, Utrecht, Netherlands [3]Utrecht University, IRAS, Utrecht, Netherlands* **W14-2** **Automated zebrafish toxicology screening: effect assessment and uptake studies** *Herman Spaink[1], Peter Racz[1,2], Anita Ordas[1], Wouter Veneman[1], Martina Vijver[3], Marjolein Wildwater[4], Raymond Pieters[5], Harshal Zope[6], Alexander Kros[6], Vasu Kantae[7], Elke Krekels[7], Piet Hein van der Graaf[7], Thomas Hankemeier[7] *[1]Leiden University, Institute of Biology, Leiden, Netherlands [2]ZF-screens, Leiden, Netherlands* *[3]Leiden University, Institute of Environmental Sciences, Leiden, Netherlands* *[4]Hogeschool Nijmegen, Nijmegen, Netherlands [5]Utrecht University, Utrecht, Netherlands [6]Leiden University, Institute of Chemistry, Leiden, Netherlands [7]Leiden University, Institute of Pharmacy, Leiden, Netherlands* **W14-3** **What determines chemical uptake by the zebrafish embryo model?** *Till Luckenbach, Eberhard Küster, Wibke Busch, Stefan Scholz, Rolf Altenburger *UFZ - Helmholtz Centre for Environmental Research, Bioanalytical Ecotoxicology, Leipzig, Germany*

	W14-4 **Amoeba Tastes Bitter: A Novel non Animal Model for Bitterness Research** *Robin S. B. Williams[1], Marco Cocorocchio[1], Paul L. R. Andrews[2] *[1] School of Biological Sciences, Centre of Biomedical Sciences, Royal Holloway University of London, Egham, United Kingdom,* *[2] Division of Biomedical Science St George's University of London, London, United Kingdom* **W14-5** **Drosophotoxicolgy takes flight: Genomic elucidation of adverse outcome pathways of mercury toxicity in the fruit fly** *Matthew Rand[1], Sara Montgomery[1], Daria Vorojeikina[1], Wen Huang[2], Trudy F MacKay[2], Robert R. Anholt[2] *[1]University of Rochester, Environmental Medicine, Rochester, United States [2]North Carolina State University, Department of Biological Sciences, Genetics Program, Raleigh, NC, United States*
11h00 - 13h00 Archive Hall	**Hot Topic:** **HT** **Identifying and Prioritising Emerging Issues in Human & Environmental Sciences** ***Chair:** Ruth Roberts, United Kingdom* **Identifying and prioritising emerging issues in Human and Environmental Sciences** José Manautou *University of Connecticut, Pharmaceutical Sciences, Storrs, United States* **Prioritised topic: How do we ensure Non-animal Methods in Safety Assessment are fit for purpose?** Beatriz Silva Lima *Universidade de Lisboa, Faculdade de Farmácia, Lisbon, Portugal*
13h00 - 13h30 Archive Hall	**Closing Ceremony and Awards Presentation**

Detailed Online Programme: ***http://eurotox2015.abstract-management.de/program/***