



EUROTOX 2012, Stockholm

“Safety science serving society”

48th congress of European Societies of Toxicology

17-20 June, 2012

Stockholm Waterfront Congress Centre, Sweden



Final Programme

The Congress is proudly hosted by the Swedish Society of Toxicology
www.eurotox2012.org



eurotox 2013
Interlaken | Switzerland

49th Congress of the European Societies of Toxicology

**New Frontiers in
Safety Sciences**

September 1st to 4th, 2013
Congress Centre Kursaal
Interlaken | Switzerland

www.eurotox2013.com



Congress of the European Societies of Toxicology

17-20 June 2012

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SUNDAY
17 JUNE

MONDAY
18 JUNE

TUESDAY
19 JUNE

WEDNESDAY
20 JUNE

POSTERS

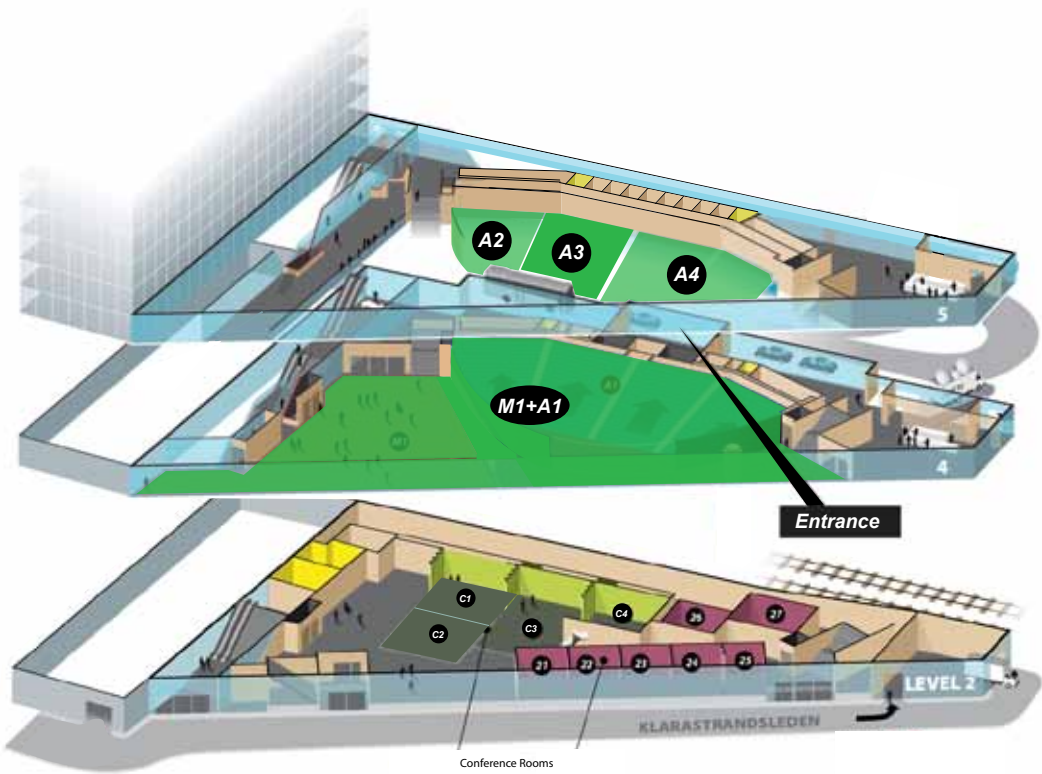
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INFORMATION

Floor plan Stockholm Waterfront Congress Centre



Welcome address

Dear Friends and Colleagues,



On behalf of the Swedish Society of Toxicology and EUROTOX it is our privilege and honour to welcome you to Stockholm and to the 48th EUROTOX Congress, celebrating 50 years of toxicology organisations in Europe.

We are proud to present what we hope will be an unforgettable congress. The scientific programme has been put together with input from toxicologists from all parts of Europe. The theme of the congress “Safety science serving society” reflects the increasing focus on chemical safety in society, and the scientific programme covers a wide range of topics representing the latest scientific achievements and regulatory developments in the field.

The venue of the congress, the Stockholm Waterfront Congress Centre offers fantastic facilities for all activities including the continuing education programme, exhibitions and poster viewing. During the congress there will be ample opportunities to meet colleagues and friends, make new acquaintances and to share common interests. The social programme includes a welcome reception at the City Hall, which gives us the opportunity to feel like Nobel laureates for an evening, and a congress dinner at the famous warship museum Vasa.

With the long light summer nights, this is a beautiful time of the year in the north. We highly recommend taking advantage and exploring more of Stockholm, Sweden and the Nordic countries before or after the congress.

We wish you an exciting and valuable EUROTOX congress and a delightful and memorable stay in Stockholm.

Marie Haag Grönlund

*President of the Swedish
Society of Toxicology*

Torbjörn Malmfors

*Chair of the
Organising Committee*

Congress Committees

EUROTOX Executive Committee

Nancy Claude, President
Jyrki Liesivuori, Past President
Ruth Roberts, President Elect
Giuseppe Malinverno, Secretary-General
Werner Kobel, Treasurer
Nursen Basaran
Christina Rudén
Aristidis Tsatsakis
Mojmir Mach

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Mattias Öberg, President Elect
Tina Almström Branting, Secretary General
Christian Lindh, Treasurer
Ingvar Bergdahl
Pierre Nord
Björn Platzack
Maria Linderoth

Organising Committee

Torbjörn Malmfors, Chair
Marie Haag Grönlund, Secretary General
Torbjörn Trångteg, Treasurer

EUROTOX 2012 Scientific Programme Committee

Ruth Roberts, Eurotox President Elect, Chair.
Christina Rudén and Cynthia de Wit, 2012 Local Scientific Programme Committee
Jyrki Liesivuori, EUROTOX Executive Committee
Nursen Basaran, EUROTOX Carcinogenesis Speciality Section
David Bell, EUROTOX Risk Assessment Speciality Section, ERAS
Emanuela Corsini, EUROTOX Immunotoxicology & Chemical Allergy Speciality Section
Jean-Lou Dorne, EUROTOX Molecular Toxicology Speciality Section
Thomas Weiser, EUROTOX 2013 Congress representative

Local Scientific Programme Committee

Christina Rudén, Co-Chair
 Cynthia de Wit, Co-Chair
 Bert-Ove Lund
 Helen Håkansson
 Ian Cotgreave
 Krister Halldin
 Linda Molander

Finance committee

Peter Moldéus, Chair
 Lars Wärngård
 Björn Lindeke
 Christer Säfholm.

Continuing Education Courses Committee

Annika Hanberg, Co-Chair
 Jan Örberg, Co-Chair
 Ulrika Bergström
 Magnus Breitholtz
 Johanna Zilliacus
 Emma Halldin Ankarberg
 Marlene Ågerstrand

Social Events Committee

Lars Wiklund, Chair
 Anna Beronius
 Astrid Ottosson Wadlund
 Tina Almström Branting
 Mats Rundgren

Sponsors

Bear Hug

AstraZeneca



Moose Lift

Agilent Technologies



Raindeer Gift

Mölnlycke Health Care
Ferring Pharmaceuticals A/S



Acknowledgements

The Organising Committee gratefully acknowledge for their support in organising the Congress:

AstraZeneca
Bo Holmstedt Memorial Fund (BHMF)
City of Stockholm
European Chemicals Agency (ECHA)
European Chemical Industry Council (CEFIC)
European Centre for Ecotoxicology and Toxicology of Chemicals (ECETOC)
European Food Safety Authority (EFSA)
The International Life Sciences Institute (ILSI) Europe
Institute of Environmental Medicine (IMM), Karolinska Institutet
Malmfors Consulting
MistraPharma
RegSafe - Regulatory Safety Sciences
Royal Institute of Technology (KTH)
Society of Toxicology (SOT)
Stockholm University
Swedish Environmental Protection Agency
The Swedish Governmental Agency for Innovation Systems (Vinnova)
The Health and Environmental Sciences Institute (HESI)
The Swedish Research Council Formas
TrangtegConsulting
Uppsala University
World Health Organisation (WHO)

General Information

in alphabetical order

ARLANDA AIRPORT

Most international flights use Arlanda Airport, 40 km north of Stockholm. Take either Flygbussarna (45 min) or Arlanda express (20 min) in both cases you arrive at Stockholm Central Station. In case you take a taxi, make sure to ask for the price prior to the ride. A reasonable price should be 450-500 SEK. In the first place we recommend the following taxi companies: Taxi Stockholm, Taxi Kurir and Taxi 020.

BADGES & BAGS

The participant's name badge will be provided at the Registration Desk. All participants are required to wear the badge throughout the congress. Only badge holders will be admitted to all activities including the City Hall. Badges will be at your disposal from Sunday 17 June 08.00.

BUSINESS HOURS & SHOPPING

Shops are open between 10.00 and 18.00 hrs on weekdays and from 10.00 to 15.00 hrs on Saturdays. Shops in the City centre have extended opening hours, some even on Sundays between 12.00 and 16.00 hrs. The main shopping streets in the centre of Stockholm are: Hamngatan, Biblioteksgatan, Drottninggatan, Kungsgatan and Västerlånggatan in the Old Town.

CERTIFICATE OF ATTENDANCE

A certificate of attendance will be issued in electronic format after the congress. Every participant will receive a personal link from which the certificate of attendance can be downloaded in pdf-format.

CHAIRPERSONS AND SPEAKERS

Chairpersons and speakers should be in their session room 20 minutes before the beginning of the session. The chairpersons are responsible for running the session and the speakers are requested to keep to the time schedule.

Speakers cannot use their own computer or LCDs. They should bring their presentation on a FAT-formatted USB-stick, which shall be downloaded on the computer provided in the room of the session before the beginning of the session. It is recommended to have a backup copy at hand.

Speaker should adhere to the following guidelines:

PowerPoint version 97, 98, 2000, 2001, 2007, 2010.

Pictures must be in the following formats: .jpg, .gif, .tif or .bmp.

Video files must be attached to your powerpoint presentation they must be in one of the following formats: .mpg, .mpeg, .avi or .DIVX. The format .mov (Quicktime) is NOT accepted. If you have such files, please export them in .avi format. The new compressed format DIVX6 and above cannot be accepted. Do not forget when saving your final presentation to include your video files if any and to check all links to all your multimedia files.

Use usual PC-fonts for your PowerPoint presentation such as Arial, Times Roman and Verdana (preferably) and the Wingdings collection for special characters and other signs.

The presentation files should be named as such: The session code – family name for example: S5 – Svensson.ppt.

You will be assisted by a person who will help you to download your presentation into the computer.

We urge you to visit the preview room, room 23, level 2, before your session to verify that your presentation works correctly.

Sunday 17 June 08.00-09.00 and 16.00-18.00

Monday 18 June 07.30-16.00

Tuesday 19 June 08.00-16.00

Wednesday 20 June 07.30-10.30

CHILDREN

For safety reasons, children under the age of 12 are not permitted in the exhibition hall or poster zones as well as in congress rooms.

CLIMATE & CLOTHING

The climate in Stockholm is extremely varied and every season has its particular charm. Average temperature in June varies between +11°C and +21°C.

CHECK IN/CHECK OUT

Hotel check-in time is 15.00 hrs or later. Check-out time is usually 12.00.

CLOAK & LUGGAGE ROOM

A manned cloak & luggage room will be set up on Wednesday to facilitate the delegates departures.

COFFEE BREAKS

Coffee and tea will be served during coffee breaks Sunday, Monday, Tuesday and Wednesday.

CREDIT CARDS

Commonly accepted credit cards in hotels, restaurants and shops are American Express, Diners Club, Visa, Master Card and Euro Card. Restaurants and shops generally display signs indicating what cards they accept. The Registration Desk accepts all these cards.

CURRENCY

The currency in Sweden is the Swedish Krona, SEK. A currency calculator can be found online at www.x-rates.com/calculator.html

Banks are generally open weekdays from 10.00-15.00.

The nearest cash dispenser is located at the Central Station.

Currencies can be exchanged at the Central Station (Forex), Arlanda Airport, major banks and most large hotels.

DATES

17 – 20 June, 2012

ELECTRICITY

The electricity in Sweden runs on 220 volts. The frequency is 50 Hz and the plugs have two male contact pins.

EXHIBITION

Opening hours:

Sunday 17 June	19.00-22.00
Monday 18 June	08.00-18.00
Tuesday 19 June	08.00-18.00
Wednesday 20 June	08.00-11.00

The exhibition is strictly reserved to exhibitors and registered delegates.

HANDOUTS

Except for the CEC-courses there will be no handouts of the scientific sessions. Participants are requested to get in personal contact with the speakers respectively.

HOTELS

Recommended hotels and prices can be viewed at the congress website www.eurotox2012.org

INFORMATION ABOUT UPCOMING MEETINGS

Information presenting future meetings of interest to the congress participants is displayed at the information board in the exhibition area.

INFORMATIVE SESSIONS

Informative sessions outside the scientific programme are held by sponsors and other parties between 13.00-15.00 on Monday and Tuesday. Location and time for these sessions are announced on the information screens and on the web site www.eurotox2012.org as well as at the Information Desk.

INFORMATION UPDATES

For updated information of the programme and this general information, please visit www.eurotox2012.org and view the information screens during the congress.

INSURANCE & LIABILITY

Neither the Congress Organisers nor the Congress Secretariat accept any liability for personal injuries sustained, or for loss or damage to property belonging to congress participants, either during or as a result of the congress.

INTERNET

Free access to internet (wifi) is provided throughout the Congress Centre.

Connect to SSID Waterfront (Congress) or Radisson_Guest (Hotel)

Open internet browser. When entering any URL you are automatically redirected to the login portal.

- Click on Meeting Delegate and accept the End User Agreement.
- The next page lets you select your meeting
- Enter your congress code 'Eurotox' and click Connect
- Now you have internet access.

LANGUAGE

The official language of the congress is English. There will be no simultaneous translation.

LOST AND FOUND

For lost and found items, please contact the congress Information Desk.

LUNCHES

On Sunday, lunch will be available for CEC course participants. Monday, 18 June and Tuesday, 19 June, light lunch boxes will be freely available in the exhibition area during the lunch breaks.

A wide range of restaurants is also available within and all around the Waterfront Congress Centre.

MESSAGES

Messages can be left and collected on the message board situated at the Information Desk.

MOBILE PHONES AND SURF PADS

Use your mobile phones and surf pads responsibly. We recommend that you put them in quiet mode during sessions and in the poster areas.

POSTER AREAS

Poster areas are located in the exhibition area floor 4 and 5. Poster set up time 08.00-09.00. Each poster will be displayed for one day only. The presenting author (or one of the co-authors) is asked to stand by their posters 14.00-16.00 to answer questions from viewers.

Authors must dismantle their posters before 18.00 on the day of the poster session. Posters remaining after 18.00 will be destroyed.

PRESS

Authorised members of the press are welcome to attend the congress. For further information please contact the Congress Secretariat: confirmation-sweden@mci-group.com or the Registration Desk during the congress.

REGISTRATION DESK

Opening Hours:

Sunday 17 June: 08.00-20.00

Monday 18 June: 07.30-16.00

Tuesday 19 June: 08.00-16.00

Wednesday 20 June: 08.00-11.00

Pre-registered delegates pick up their badges and handlings at the Registration Desk during opening hours.

On-site registrations will be accepted, however availability of accommodation and participation in the social tours/events at that time may be severely limited. Consult the Registration Desk for registration and payment. The Registration Desk accepts all common credit cards, see under CREDIT CARDS.

SMOKING POLICY

The congress venue and the evening venues are all non smoking. Smoking is banned in public places in Stockholm, on public transport, in stores, restaurants and most pubs. Hotels offer special rooms for smokers. Please indicate your request on the registration form, when you make your hotel reservation.

TIME ZONE

Sweden is 1 hour ahead of Greenwich Mean Time (GMT).

TIPPING

Tipping is at your discretion in taxis and restaurants.

TOURIST INFORMATION

For tourist information about Stockholm and Sweden, please visit the website: www.stockholmtown.com, or contact the Tourist Centre on touristinfo@stockholm.se

TRAIN STATION

The venue is situated right next to Stockholm Central Station.

VENUE

The venue for the congress is Stockholm Waterfront Congress Centre
www.stockholmwaterfront.com/

Stockholm Waterfront Congress Centre ,Nils Ericsons level 4, Stockholm,
Tel: +46 8 5050 6000

Social programme

The focus of the social programme is to provide a high degree of well-being and feel-good factor, to create an enjoyable atmosphere and to provide networking opportunities throughout the congress. Networking is an integral part of international meetings of this kind, and for many participants one of the key reasons for attending. Eurotox 2012 in Stockholm will thus offer plenty of opportunities for discussions and interactions between the participants and will also celebrate 50 years of toxicology organisations in Europe.

Welcome Reception at the Stockholm Waterfront Congress Centre – Sunday, Level 4, Hall A1 + M1, 19.30 – 22.00.

The Welcome Reception at the Stockholm Waterfront Congress Centre is our Sunday networking reception with drinks and food with a Swedish touch, and an excellent opportunity to renew your existing contacts and to make new ones. It will take place in the main congress hall in close proximity to the exhibition area, allowing for good traffic, mixing and networking with the exhibitors. There will also be good possibilities to mingle in other areas of the fantastic Stockholm Waterfront building, e.g. in the bar areas.

Reception at the Stockholm City Hall – Monday, 19.30-21.30

Address: Ragnar Östbergs level 1, Stockholm.

On Monday evening, there will be a reception in the Stockholm City Hall, which is one of the most well known buildings in Sweden and the most exclusive ballroom in Stockholm, frequently used for e.g. the yearly Nobel Price Banquet. It is also known for its unique art treasures and an intriguing history.

Gala Dinner at the Vasa Museum - Eurotox 50 Year Celebration –Tuesday, 20.00-01.00

Address: Galärvarvsvägen 14, Djurgården, Stockholm

Transportation from Stockholm Waterfront Congress Centre to the Vasa Museum will be arranged. Information will be provided on-site in the registration area.

The Vasa Museum is situated at Djurgården, the biggest island in Stockholm. In the large ship hall stands the warship Vasa - the only remaining intact 17th century ship in the world. The lower rig has been rebuilt, complete with masts, stays and shrouds. Just like the Vasa would have looked like when set for winter in harbour, the wreck salvaged in 1961 is now once again a complete ship.

We will celebrate the 50th anniversary of toxicology organisations in Europe together with the old lady with a gala dinner in the museum just aside her impressive hull and bow.

Special events for students and young investigators

Guru lunches, during lunch hours on 18 June and 19 June

Take the chance to have an inspiring meeting with a prominent researcher, senior toxicologist (industry/regulatory agency/academy/university) or other professionals in a relaxed setting.

Separate one-hour sessions with one guru and approximately 10-12 students will be set up during lunch hours on 18 June and 19 June, focusing on different research fields or current issues within the science and expertise of the guru. The format of the session should mainly be an informal discussion based on questions from the students about the specific topic. The role of the guru would be to add a personal touch to his/hers scientific expertise, and to share this expertise as well as personal experience from his/hers toxicological career. We believe that this activity in the Eurotox Congress programme will be an appreciated and valuable addition for students and young investigators attending the congress!

More information as well as registration for the guru lunches will be provided on-site at the Stockholm Waterfront Congress Centre in connection with the registration desk near the main entrance. There is no registration fee, but spaces are limited!

Gurus:

David R. Bell

Evaluation Unit E1,
European Chemicals Agency (ECHA),
Helsinki, Finland.

Guru lunch topic: Regulatory toxicology, REACH and ECHA – Increased demand for well trained toxicologists and risk assessors? – Challenges?

Date: Monday 18 June, 12.00 – 13.00.

Bengt Fadeel

Institute of Environmental Medicine (IMM),
Karolinska Institutet,
Stockholm, Sweden.

Guru lunch topic: How to succeed in a new and innovative field of research – Example: nanotoxicology – potential risks and safety assessment.

Date: Monday 18 June, 12.00 – 13.00.

Elaine M. Faustman

Institute for Risk Analysis and Risk Communication,
Department of Environmental and Occupational Health Sciences,
University of Washington,
Seattle, USA.

Guru lunch topic: Risk assessment for the 21st century – Phasing out animal studies – Challenges with in vitro testing and consequences for risk- and safety assessments.

Date: Tuesday 19 June, 13.00 – 14.00.

Peter Moldeus

AstraZeneca, Safety Assessment,
Södertälje, Sweden.

Guru lunch topic: From a university toxicological research institution to global industrial pharmaceutical safety assessment – An academy and industry interaction.

Date: Tuesday 19 June, 13.00 – 14.00.

Andreas Kortenkamp

Institute for the Environment, Brunel University London, UK.

Guru lunch topic: Combined exposures of EDCs and mixture effects – Challenges, perspectives and current EU activities.

Date: Tuesday 19 June, 13.00 – 14.00.

City Hall Reception After Party, 18 June

Still going strong after the City Hall Reception?

Join us for a drink afterwards at one of Stockholm's most popular bars! More information will be provided on-site at the Stockholm Waterfront Congress Centre. Make sure to keep an eye out for more information about the special student and young investigators events in the registration area.

Business meetings

Day	Room	Time	Meeting
SATURDAY, 16 JUNE	23	8.30-10.30	EUROTOX core meeting,
	23	11.00-18.00	EUROTOX Executive Committee Meeting (EC 12/2),
SUNDAY, 17 JUNE	22	16.00-17.30	EUROTOX Strategic plan follow up meeting
MONDAY, 18 JUNE	24+25	12.00-13.00	Corporate Programme SC
	C 3	12.00-13.00	Education SC
	C 4	12.00-13.00	Communication SC
	24+25	13.00-14.00	Registration SC
	C 3	13.00-14.00	2013 SPC Meeting
	C 4	13.00-14.00	EUROTOX Individual Members Delegate meeting
	24+25	14.00-15.30	RASS seminar
	24+25	16.00-17.00	Exhibitors&Sponsors Meeting
TUESDAY, 19 JUNE	C 3	12.00-13.00	Carcinogenesis SS
	C 4	12.00-13.00	Molecular Toxicology SS
	C 3	13.00-14.00	ITCASS Immuno Toxicology SS
	C 4	13.00-14.00	ERAS Risk Assessment SS
	22, 24+25	12.00-13.00	Business Council Luncheon
	24+25	13.00-15.30	Business Council Meeting
	C 4	14.00-16.00	YSA/BH poster award evaluation meeting
WEDNESDAY, 20 JUNE	C 4	8.30-9.30	EUROTOX Executive Committee Meeting (EC 12/3)



OVERVIEW

Programme Saturday, 16 June

EUROTOX core meeting, 08.30-10.30

Room 23

EUROTOX Executive Committee Meeting EC12/2, 11.00-18.00

Room 23

Programme Sunday, 17 June

Continuing education courses 9.30 – 16.00

CEC 1 Epigenetics for toxicologists

Room: C1

CEC 2 Chemical safety assessment for the REACH 2013 registration deadline; what have we learnt from registrations submitted in 2010?

Room: C2

CEC 3 Risk assessment of combined exposures to multiple chemicals

Room: C3

CEC 4 New challenges in modelling human exposure to chemicals

Room: C4

CEC 5 Chemical hazard assessment: from theory to practice

Room: 22

CEC 6 Risk assessment of immunotoxicity for chemicals

Room: 23

16.00-17.30 EUROTOX strategic plan follow up meeting,

Room 22

Opening of the exhibition 19.00

Room: M 1+A 1, Level 4

Opening ceremony 18.00-19.30

Room: A 2+ A3+ A4, Level 5

Welcome reception 19.30 -22.00

Room: M 1 + A 1, Level 4

Programme Monday, 18 June

Time	Exhibition area A1+M1	Scientific sessions	Room	Meetings	Room
8.30		Keynote lecture (K1): Revealing effects of early-life toxic metals exposure - a matter of toxicology, nutrition and epidemiology, Marie Vahter	A 3+A 4		
10.00		Symposium S1 Chemical exposure-related inflammation and cancer Workshop W1 Toxic exposures in the workplace and the environment: the contribution of biomonitoring to risk assessment Symposium S2 Innovative testing strategies to identify chemical respiratory sensitizers: present and future Workshop W2 New target organ toxicities of environmental contaminants Oral session OS1 Mixtures	A 2 C 4 C 3 A 3+A 4 C 1+C 2		
12.00	POSTER			Education SC Communication SC Corporate progr SC	C 3 C 4 24+25
13.00		HESI lecture (K3): Exploring the Human Protein Atlas in the field of toxicology, Mathias Uhlén	A 3+A 4	2013 SPC meeting ET IM delegates Registration SC	C 3 C 4 24+25
14.00	VILEWING	Highlighted lectures (K4+K5): US EPA – ToxCast and the Tox21 program Richard Judson State-of-the-science of endocrine disrupting chemicals, 2012 Susan Jobling	A 3+A 4	RASS seminar	24+25
16.00		Symposium S3 Neurotoxicology of metals: mechanisms and clinical effects Symposium S4 Mechanisms of cell death and survival Workshop W3 Mixture toxicity: Current Approaches Workshop W4 The use of mechanistic data in chemical risk assessment Symposium S5 From mechanisms of toxicity to biomarkers: addressing current and future needs in drug safety assessment	C 3 C 4 A 3+A 4 A 2 C 1+C 2	Exhibitor & sponsor meeting	24+25
18.00		Informal gathering and discussions at the bars & Exhibitors presentations			
1930		City Hall reception			

The exhibition is open from 08.00 to 18.00.
Coffee break 09.30 – 10.00 and 15.30 – 16.00
Lunch is served 12.00 - 14.00

Programme Tuesday, 19 June

Time	Exhibition area-A1+M1	Scientific sessions	Room	Meetings	Room
8.30		Keynote lecture (K6): The new toxicology of sophisticated materials: Nanotoxicology and Beyond, Martin A. Philbert	A 3+A 4		
10.00		Symposium S6 Role of immunosurveillance in chemical carcinogenesis	C 3		
		Symposium S7 Large populations at risk? News on adverse health effects of low dose exposure to toxic metals	A 2		
		Symposium S8 From nanotoxicological research to safe management of nanomaterials	A 3+A4		
		Workshop W5 microRNAs as mechanistic indicators and biomarkers of drug-induced toxicity	C 4		
		Oral session OS2 Endocrine disruptors	C 1+C 2		
12.00	P O S T E R	EUROTOX-SOT debate (K7): Comparative Hazards: Chemicals in the Environment Are the Largest Risk to Human Health	A 3+A 4	Carcinogenesis SS	C 3
				Molecular Toxicology SS	C 4
				B C Luncheon	24+25
13.00	V I E W I N G	Bo Holmstedt Memorial Fund (BHMf) lecture (K8): Chemical allergy: the immune system is clearing the danger? Mark Pallardy	A 3+A 4	ITCASS Immuno toxicology SS	C 3
				ERAS Risk Assessment SS	C 4
				B C Meeting	24+25
14.00		Roundtable discussion (K9): What is the next step for dealing with mixtures and low dose effects?	A 3+A 4	YSA/BH Poster award evaluation meeting	C 4
16.00		Symposium S9 Unravelling the natural functions of the aryl hydrocarbon receptor and its proposed endogenous ligands	C 4		
		Symposium S10 Read-across in risk assessment; problems or possibilities?	C 3		
		Symposium S11 Pollution from drug manufacturing – assessing and managing risks in different regions of the world	A3+A 4		
		Symposium S12 New mechanistically based models for evaluation of drug induced liver injury: the IMI Predictive DILI project	C 1+C 2		
		Oral session OS3 Nanotoxicology	A 2		
18.00		End of session			
20.00		Gala dinner			

The exhibition is open from 08.00 to 18.00.
Coffee break 09.30 – 10.00 and 15.30 – 16.00
Lunch is served 12.00 - 14.00

Programme Wednesday, 20 June

Time	Scientific sessions	Room	Meetings	Room
8.30	Workshop W6 New tools in genetics and their application in toxicology	A 3+A 4	EUROTOX Executive Committee Meeting (EC12/3)	C 4
	Symposium S13 Clinical toxicology: Are new insights into epidemiology and mechanisms of toxicity changing our approach to important poisonings?	C 1+C 2		
	Workshop W7 Pharmaceuticals in the environment: occurrence, effects on wildlife, and how to reduce the levels	A 2		
	Symposium S14 Toxicological significance of pharmacogenomics in cancer treatment	C3		
11.00	Workshop W9 Cellular tight junctions – a target for nephrotoxins	C 3		
	Workshop W10 New in vitro methods for assessment of developmental toxicity endpoints	A 2		
	Symposium S15 Dose-response relationship and receptor-mediated toxicology	C 1+C 2		
	Symposium S16 Stem cells in drug discovery and development	A 3+A 4		
	Workshop W8 CEFIC-LRI Innovative science awardees (2007-2010)	C4		
13.00	Closing ceremony	A3+A4		

The exhibition is open from 08.00-11.00
Coffee break 10.30 – 11.00



SUNDAY 17 JUNE

CEC 1 Epigenetics for toxicologists

Room C1

The course will outline some of the basic principles for investigation into how epigenetic mechanisms influence toxicity, outline some of the fundamental mechanisms of epigenetic inheritance, then moving on to demonstrate how these principles can be applied in investigation of specific toxicological issues, including carcinogenesis and potential transgenerational effects. Group assignments will give the participants opportunity to reflect on the course material and relate it to application in toxicology. The participant can expect to gain a working knowledge of methods in epigenetics and their application, as well as insight into the state of the art of the relevance of epigenetics for toxicology.

Supported by Bo Holmstedt Memorial Fund (BHMF)

Chair: Kevin Chipman, University of Birmingham, United Kingdom

Co-chair: Johanna Zilliacus, Karolinska Institutet, Sweden

- 09.00 Coffee
- 09.30 Welcome and introduction to the course, Kevin Chipman, University of Birmingham, United Kingdom
- 09.50 Introduction to epigenetics and relevance to toxicology, Kevin Chipman, University of Birmingham, United Kingdom
- 10.25 Transgenerational epigenetic effects, Gilbert Schönfelder, Charité Universitätsmedizin, Germany
- 11.00 Role of epigenetics in toxicological safety assessment, Jay I Goodman, Michigan State University, USA
- 11.30 Lunch and Group assignments
- 13.30 Epigenetics and cancer, Zdenko Herceg, IARC, France
- 14.05 MicroRNAs and epigenetics in toxicology, Timothy Gant, University of Leicester, United Kingdom
- 14.35 Coffee
- 15.05 Concluding discussion including results of group assignments
- 16.00 End of course

CEC 2 Chemical safety assessment for the REACH 2013 registration deadline; what have we learnt from registrations submitted in 2010?

Room C2

The course will provide a detailed description of data requirements and implementation of the REACH regulation, covering environmental and human health data requirements. In addition to covering a general overview, and how ECHA manages to communicate the implementation of REACH, and risk communication to a wider European audience, the programme will deal with detailed understanding of how information requirements, including developmental toxicity, are implemented at the information requirement stage, and at the stage of risk management. A constant theme will be the identification of feedback from the dossier registration deadline of 2010, and finding ways to improve communication on how to improve dossier registration, and public and environmental safety, in the future. Active participation is encouraged and time will be given for question and answer session. The course is designed for regulators and industrial toxicologists who have to deal with the REACH regulation, in addition to providing a background in REACH for academic and other scientists.

Organized and supported by the European Chemicals Agency (ECHA)

Chair: David Bell, ECHA, United Kingdom

Co-chair: Annika Hanberg, Karolinska Institutet, Sweden

- 09.00 Coffee
- 09.30 Course introduction, David Bell, ECHA, United Kingdom
- 09.50 Overview and development of ECHA processes, Leena Ylä-Mononen, ECHA, Finland
- 10.25 Dossier evaluation feedback, David Bell, ECHA, United Kingdom
- 11.00 QSARs and other non-test methods, Tatiana Netzeva, ECHA, Finland
- 11.35 Experiences of CLP – the first year, Jonas Nygren, ECHA, Sweden
- 12.05 Lunch
- 13.00 Exposure assessment and risk characterisation, Riitta Riala, ECHA, Finland
- 13.35 Chemical safety assessment using CHESAR, Helene Magaud, ECHA, France
- 14.05 Coffee
- 14.30 Industry's perspective, Erwin Annys, CEFIC, European Chemical Industry Council, Belgium
- 15.00 General discussion and questions
- 16.00 End of course.

CEC 3 Risk assessment of combined exposures to multiple chemicals

Room C3

Understanding combined exposures to multiple chemicals is gaining increasing attention both within academia and in the regulatory community for risk assessment of different classes of chemicals. This course will present a Framework for Risk Assessment of Combined Exposures to Multiple Chemicals developed by the World Health Organization. The framework provides a hierarchical (phased) approach for combined exposure assessments that is applicable to both human and environmental endpoints. The framework is referenced in EU scientific committee opinion on combined exposures and is already in use. Emerging issues, current debates and future priorities for work on combined exposure assessment will be highlighted. Course participants will discuss and work with a case study in facilitated group discussions. During the final session participants will have the opportunity to further discuss issues and questions identified during the group assignment work.

At the end of the course, participants will have gained information, tools and some practical experience to enable them to undertake a combined exposures assessment, either at introductory or advanced levels.

Organized and supported by the World Health Organization (WHO) and the ILSI Health and Environmental Sciences Institute

Chair: Richard Brown, WHO, Switzerland

Co-chair: Magnus Breitholtz, Stockholm University, Sweden

- 09.00 Coffee
- 09.30 Welcome and introduction to the course, Richard Brown, WHO, Switzerland & Alan Boobis, Imperial College, United Kingdom
- 09.50 Combined Exposures: An introduction to the issue and the WHO/IPCS Framework for risk assessment of combined exposures to multiple chemicals, Bette Meek, University of Ottawa, Canada
- 11.05 Tier 0 (entry level) assessment methods for combined exposures: Introduction, Kevin Crofton, US EPA, USA
- 11.40 Lunch and facilitated group discussion
- 13.30 Plenary: Key points from the group discussion
- 13.50 Tutorial: A tiered approach, from simple to complex assessment tools: Illustrative case study (Carbamates), Elisabeth Shipp, Bayer Cropscience, France
- 14.10 Interactive discussion on carbamates case example
- 14.45 Coffee
- 15.10 Emerging issues, current debates and future priorities for work on combined exposure assessment, Alan Boobis, Imperial College, United Kingdom
- 15.45 Review and wrap-up, including feedback from participants, Richard Brown, WHO, Switzerland
- 16.00 End of course

CEC 4 New challenges in modelling human exposure to chemicals

Room C4

Human exposure assessment is a corner stone of risk assessment of chemicals and scientists have developed, over the last few years, new approaches and strategies to move towards quantitative and probabilistic exposure assessments. This course aims to present these new developments.

Firstly, the participants will be given an introduction to dietary exposure assessment followed by a critical appraisal of international exposure assessment based on national survey including good practices and limits. Then, principles to deal with left censored data in exposure assessment will be presented. Examples of epidemiological studies will illustrate their applicability for exposure assessment of chemicals with special regard to chemical contaminants.

Risk assessment is of multidisciplinary nature and collaboration between experts of different disciplines is crucial to perform a risk assessment. The participants of this course will therefore in group sessions discuss a real life example and also exchange data and cooperate with the participants of the course "Chemical hazard assessment: From theory to practice" in order to provide the participants with an overall understanding of the risk assessment process.

Organized and supported by the European Food Safety Authority (EFSA).

Chair: Philippe Verger, WHO, Switzerland

Co-chair: Ulrika Bergström, Uppsala University, Sweden

- 09.00 Coffee
- 09.30 Course introduction and practical introduction to dietary exposure assessment, Philippe Verger, WHO, Switzerland
- 10.10 International exposure assessment based on national survey: good practices and limits, Davide Arcella, EFSA, Italy
- 10.45 Introduction to toxicology and risk assessment, Jean Lou Dorne, EFSA, Italy
- 11.20 Lunch and practical session on chemical risk assessment
- 13.15 Study of co-exposure to active substances to characterize main mixtures, Amelie Crepet, ANSES, French Agency for Food, Environmental and Occupational Health & Safety, France
- 13.50 Practical session on emerging risks + coffee
- 14.45 The use of epidemiological data in risk assessment, Pietro Ferrari, IARC, France
- 15.20 General discussion and questions
- 16.00 End of course

CEC 5 Chemical hazard assessment: from theory to practice

Room 22

Chemical hazard assessment (hazard identification and hazard characterization) is a corner stone of risk assessment. This course will introduce the toxicological basis of chemical risk assessment and its applications to environmental, animal and human health, and also introduce exposure assessment. The principles and methods for hazard assessment of chemicals in food developed by the World Health Organisation (Environmental Health Criteria 240) will then be described and emerging risks in food safety will be discussed. Examples of epidemiological studies will illustrate their applicability for chemical hazard assessment.

Risk assessment is of multidisciplinary nature and collaboration between experts of different disciplines is crucial to perform a risk assessment. The participants of this course will therefore in group sessions discuss a real life example and also exchange data and cooperate with the participants of the course “New challenges in modelling human exposure to chemicals” in order to provide the participants with an overall understanding of the risk assessment process.

Organized and supported by the European Food Safety Authority (EFSA).

Chair: Jean Lou Dorne, EFSA, Italy

Co-chair: Emma Halldin Ankarberg, Swedish National Food Agency, Sweden

- 09.00 Coffee
- 09.30 Course introduction and chemical risk assessment: Toxicological basis and applications to environmental, animal and human health, Jean Lou Dorne, EFSA, Italy
- 10.10 EHC240: Principles and methods for the risk assessment of chemicals in food, Angelika Tritscher, WHO, Switzerland
- 10.45 Introduction to exposure assessment, Philippe Verger, WHO, Switzerland
- 11.20 Lunch and practical session on chemical risk assessment
- 13.15 Emerging risks in food safety: Principles and applications, Tobin Robinson, EFSA, Italy
- 13.50 Practical session on emerging risks + coffee
- 14.45 Use of epidemiological studies for chemical risk assessment purpose, Billy Amzal, LA-SER, France
- 15.20 General discussion and questions
- 16.00 End of course

CEC 6 Risk assessment of immunotoxicity for chemicals

Room 23

This course will present an applied approach to immunotoxicity risk assessment as outlined in new WHO harmonized guidance; the first comprehensive guidance for risk assessment in this area of toxicology. The WHO guidance is aimed at the generalist risk assessor, providing triggers for when specialist immunotoxicology advice might be needed in a chemical risk assessment. The first part of the course will provide an overview of the methods used to detect and characterize immunotoxicity and the potential consequences of unintended immunomodulation. The fundamental concepts of risk assessment as they apply to evaluation of immunotoxicity will be covered, addressing different kinds of immunotoxic responses. The second part of the course will be devoted to the application of the guidance by reviewing case studies in facilitated group discussions. The course is applicable for risk assessors without specialist training in immunotoxicity, or who have some knowledge they wish to update. At the end of the course, students will have gained information, tools and some practical experience to enable them to consider immunotoxicity information in a chemical risk assessment.

Organized and supported by the World Health Organization (WHO)

Chair: Henk van Loveren, National Institute for Public Health and the Environment (RIVM), the Netherlands

Co-chair: Marlene Ågerstrand, KTH Royal Institute of Technology, Sweden

- 09.00 Coffee
- 09.30 Welcome and introduction to the course, Henk van Loveren, RIVM, the Netherlands
- 10.00 General principles of risk assessment as they apply to immunotoxicity, Geert Houben, TNO, Netherlands Organisation for Applied Scientific Research, the Netherlands
- 10.30 Assessment of immunosuppression, immunostimulation, and autoimmunity, Dori Germolec, NIEHS, National institute of environmental health sciences, USA
- 11.00 Assessment of Sensitization and Allergic Response, Peter Griem, Symrise AG, Germany
- 11.30 Plenary: Introduction to the case studies: mercury and platinum, Andy Rooney, NIEHS, National institute of environmental health sciences, USA
- 12.00 Lunch and facilitated group discussions on working case study
- 14.00 Plenary: Key points from the group discussions
- 15.00 Coffee

- 15.15 Emerging issues and current debates on immunotoxicity risk assessment, Henk van Loveren, RIVM, The Netherlands
- 15.30 General discussion, questions and evaluation, Henk van Loveren, RIVM, The Netherlands, Andy Rooney, NIEHS, National institute of environmental health sciences, USA
- 16.00 End of course

18.00 – 19.30 Opening Ceremony

Room A2+A3+A4

Chair: Torbjörn Malmfors, Chair of the Organising Committee

- Welcome address by the president of the Swedish Society of Toxicology, Marie Haag Grönlund
- Opening of the congress by the president of EUROTOX, Nancy Claude
- EUROTOX merit award ceremony chaired by the president of EUROTOX
- Recognition of 50 years of toxicology in Europe, Torbjörn Malmfors
- Poisons - Bright light on chemistry's dark side, Ulf Ellervik



MONDAY 18 JUNE

8.30 – 9.30 **Key-note lecture**

Key-note lecture Revealing effects of early-life toxic metals exposure – a matter of toxicology, nutrition and epidemiology

Marie Vahter, Karolinska Institutet, Stockholm Sweden

Room: A3+A4

Chairs: Jyrki Liesivuori and Christina Rudén

10.00 – 12.00 Symposium S1 Chemical exposure-related inflammation and cancer

Room: A2

Chairs: Hans-Jeurgem Haussman and Jyrki Liesivuori

10.00 – 10.20 Effect of alcohol on hepatocarcinogenesis and its interaction with other inflammatory hepatic diseases.

H.K. Seitz, Salem Medical Centre, Germany

10.25 – 10.45 Pancreas inflammation and cancer.

D.C. Whitcomb, University of Pittsburgh, United States

10.50 – 11.10 The role of TGF-beta and TRAF6-TAK1-signalling pathways in tumour biology.

M. Landström, Umeå University, Sweden

11.15 – 11.35 Oxidative stress and inflammation: the link between COPD and lung cancer.

I.M. Adcock, Imperial College, London, United Kingdom

11.40 – 12.00 Molecular mechanisms linking chronic inflammation to cancer in the intestinal mucosa.

P. Steinberg, University of Veterinary Medicine, Hannover, Germany

10.00 – 12.00 Workshop W1 Toxic exposures in the workplace and the environment: the contribution of biomonitoring to risk assessment

Room: C4

Chairs: Martin Wilks and Maurizio Manno

10.00 – 10.20 Critical scientific and ethical issues in biomonitoring for occupational and environmental risk assessment.

M. Manno, University of Naples Federico II, Italy

10.25 – 10.45 New knowledge on benzene metabolism in humans – implications for biological monitoring and risk assessment.

S. Rappaport, University of California, Berkeley, United States

10.50 – 11.10 Long-term surveillance of highdose occupational dioxin exposure.

D. Pelclová, Charles University, 1st Medical Faculty, Czech Republic

11.15 – 11.35 Lead poisoning in pregnancy - sources, biomarkers, clinical features and management.

S. Thomas, Newcastle University, United Kingdom

11.40 – 12.00 General discussion

10.00 – 12.00 Symposium S2 Innovative testing strategies to identify chemical respiratory sensitizers: present and future

Room: C3

Chairs: Janine Ezendam and Werner Kobel

10.00 – 10.20 Chemical respiratory sensitization: an important health problem, but how to identify and classify chemical respiratory sensitizers?

J. Ezendam, RIVM, Netherlands

10.25 – 10.45 Cells and tissues encountered in the airways after inhalation of chemical respiratory sensitizers.

F. Kuper, TNO Research Group Quality and Safety, Netherlands

10.50 – 11.10 In vitro tests for respiratory sensitizers.

S. Remy, VITO, Belgium

11.15 – 11.35 In silico approaches as a tool for identification of chemical respiratory sensitizers.

D. Roberts, Liverpool John Moores University, UK

11.40 – 12.00 Alternative testing strategies for chemical respiratory sensitizers: pit falls and opportunities.

E. Roggen, Novozymes, 3RsMC, Denmark

10.00 – 12.00 Workshop W2 New target organ toxicities of environmental contaminants

Room: A3+A4

Chairs: Monica Lind and Aristidis Tsatsakis

10.00 – 10.20 Low dose persistent organic pollutants and diabetes.

D-H. Lee, Kyungpook National University, Republic of Korea

10.25-10.45 Persistent organic pollutants and cardiovascular disease.

L. Lind, Uppsala University, Sweden

10.50-11.10 Obesogenic effects of endocrine disrupting chemicals.

J. Legler, VU University Amsterdam, Netherlands

11.15 – 11.35 Bone as target for persistent organic pollutants.

M. Lind, Uppsala University, Sweden

11.40 – 12.00 General discussion

10.00 – 12.00 Oral session OS1 Mixtures

Room: C1+C2

Chairs: Cynthia de Wit and Bert-Ove Lund

10.00-10.15 Co-exposure of Fusarium mycotoxins: In vitro myelotoxicity assessment on humans

A-S. Ficheux, Laboratoire de Toxicologie Alimentaire, France

10.15-10.30 Mixtures of environmental contaminants and the metabolic syndrome

E. Lampa, Uppsala University, Sweden

10.30-10.45 Influence of interactions between polycyclic aromatic hydrocarbons on health effects

K. Dreij, Karolinska Institute, Sweden

10.45-11.00 Neurotoxicity of Chemical Mixtures Assessed with Multielectrode Array chips

B. Scelfo, European Commission – JRC, Italy

- 11.00-11.15 Ammunition related metals – Combined toxicity of Antimony, Copper, and lead
P. Leffler, Swedish Defence Research Agency, FOI, Sweden
- 11.15-11.30 Comparison of aggregate exposure approaches in the risk assessment of parabens
I. Gosens, RIVM, Netherlands
- 11.30-11.45 Perinatal exposure to environmental contaminants affects bone properties in rats.
L. Elabbas, Karolinska Institute, Sweden
- 11.45-12.00 Effects of combined occupational cadmium and lead exposure on renal biomarkers.
R. Hambach, University of Antwerp and OHS Mensura, Belgium

13.00 – 14.00 HESI lecture Exploring the Human Protein Atlas in the field of toxicology

Mathias Uhlén, Science for Life Laboratory and Albanova University Center, Royal Institute of Technology (KTH), Stockholm, Sweden

Room: A3+A4

Chair: Elaine Faustman, University of Washington, United States

14.00-15.30 Highlighted lectures

Room: A3+A4

Chairs: Ian Cotgreave, David Bell

14.00 – 14.45 US EPA – ToxCast and the Tox21 programme

Richard Judson, U.S. EPA, United States

14.45 – 15.30 State-of-the-science of endocrine disrupting chemicals, 2012

Susan Jobling, Brunel University, London, United Kingdom

14.00-15.30 RASS seminar, Impacts and Lessons learned from the IUTOX Risk Assessment Summer Schools. Charting the path forward

Room: 24+25

- History of RASS formation and IUTOX Participation T. Malmfors
- Discussion of Key Lessons Learned E. Faustman
- Short Presentations by current and former faculty and students. Extrapolation of lessons to global learning collaboratives - Identification of Risk Assessment Partnerships (IUTOX Education Committee Panel Lead - including Mary Gulumian and Sylvia Barros-- Discussion with Audience)

OVERVIEW

 SUNDAY
17 JUNE

16.00 – 18.00 Symposium S3 Neurotoxicology of metals: mechanisms and clinical effects

Room: C3

Chairs: Ronald Tjalkens and Sandra Ceccatelli

16.00 – 16.20 Effects of neurotoxic metals on survival and differentiation of neural stem cells.

S. Ceccatelli, Karolinska Institutet, Sweden

16.25 – 16.45 From *C. elegans* to humans: translational mechanisms in the understanding of clinical manganese-induced neurodegeneration.

M. Aschner, Vanderbilt University, United States

16.50 – 17.10 Developmental exposure to methylmercury impairs the glutamate-nitric oxide-cyclic GMP pathway and learning in rats.

V. Felipe, Centro de Investigacion Principe Felipe, Spain

17.15 – 17.35 Therapeutic uses of metals and minerals: the risk-benefit interface.

J. Powell, MRC Human Nutrition Research, United Kingdom

17.40 – 18.00 Neuroinflammatory responses to Manganese during development and aging.

R. Tjalkens, Colorado State University, United States

 MONDAY
18 JUNE

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 EXHIBITORS
& MAPS

16.00 – 18.00 Symposium S4 Mechanisms of cell death and survival

Room: C4

Chairs: Boris Zhivotovsky and Bernd Kaina

- 16.00 – 16.20 DNA damage-induced cell death.
B. Zhivotovsky, Karolinska Institutet, Sweden
- 16.25 – 16.45 Survival and death strategies in cells exposed to genotoxins.
B. Kaina, Institute of Toxicology University Medical Center,
Mainz, Germany
- 16.50 – 17.10 Transcriptional inhibition by DNA damage as a trigger of cell death.
M. Ljungman, University of Michigan, United States
- 17.15 – 17.35 Mitochondrial involvement in cell death.
S. Orrenius, Karolinska Institutet, Sweden
- 17.40 – 18.00 DNA repair pathways as target for cancer therapy.
T. Helleday, Karolinska Institutet, Sweden

16.00 – 18.00 Workshop W3 Mixture toxicity: Current approaches and future strategies

Room: A3+A4

Chair: Giuseppe Malinverno and Andreas Kortenkamp

- 16.00 – 16.20 Mixture decision tree: Applications to real world mixtures
P. Price, The Dow Chemical Company, United States
- 16.25 – 16.45 Risk assessment of mixtures of pesticides
T.K. Reffstrup, Technical University of Denmark, Denmark
- 16.50 – 17.10 Low dose mixture effects of endocrine disruptors
A. Kortenkamp, Brunel University, United Kingdom
- 17.15 – 17.35 Speaker TBA
EU Commission DG Environment
- 17.40 – 18.00 General discussion

16.00 – 18.00 Workshop W4 The use of mechanistic data in chemical risk assessment

Room: A2

Chairs: Angelika Tritscher and Jean-Lou Dorne

- 16.00 – 16.20 Overall weight of evidence approaches in chemical risk assessment
Angelika Tritscher, World Health Organization, Switzerland
- 16.25 – 16.45 Toxicokinetic and dose response modelling in chemical risk assessment.
D. Doerge, National Center for Toxicological Research, United States
- 16.50 – 17.10 Population variability and uncertainty factors.
J-L. Dorne, EFSA, Italy
- 17.15 – 17.35 Application of the mode of action/human relevance framework to pesticide risk assessment.
A. Boobis, Imperial College London, United Kingdom
- 17.40 – 18.00 General discussion

16.00 – 18.00 Symposium S5 From mechanisms of toxicity to biomarkers: addressing current and future needs in drug safety assessment

Session sponsored by BHMf

Room: C1+C2

Chairs: Ina Schuppe Koistinen and Eleni Aklillu

- 16.00 – 16.20 Safety Biomarkers: opportunities and challenges in drug discovery and development.
I. Schuppe Koistinen, AstraZeneca, Sweden
- 16.25 – 16.45 Pharmacogenomic biomarkers for adverse drug reactions.
E. Aklillu, Karolinska Institutet, Sweden
- 16.50 – 17.10 Current status and future perspectives of kidney safety biomarkers
J. Keenan, Argutus Medical LTD, Ireland
- 17.15 – 17.35 Current status and future perspectives of liver safety biomarkers.
D. Antoine, University of Liverpool, United Kingdom
- 17.40 – 18.00 Current status and future perspectives of cardiovascular safety biomarkers.
N. Abi Gerges, AstraZeneca, United Kingdom



TUESDAY 19 JUNE

8.30 – 9.30 Key-note lecture The new toxicology of sophisticated materials: Nanotoxicology and Beyond (K6)

Martin A. Philbert, University of Michigan School of Public Health, United States

Room: A3+A4

Chair: Ruth Roberts

10.00 – 12.00 Role of immunosurveillance in chemical carcinogenesis

Room: C3

Chairs: Emanuela Corsini and Nursen Basaran

10.00 – 10.20 Immunomodulation and cancer: an overview

Rafael Ponce, Amgen, Seattle, USA

10.25 – 10.45 Oncogenic stress and immune activation

N. Basaran, Hacettepe University Faculty Of Pharmacy, Turkey

10.50 – 11.10 Chemical-induced immunosuppression and risk of cancer: experimental evidences

E. Corsini, Università degli Studi di Milano, Italy

11.15 – 11.35 Role of immunosurveillance in chemical carcinogenesis

Sultan Ahmed, Karolinska Institutet, Sweden

11.40 – 12.00 General discussion

10.00 – 12.00 Symposium S7 Large populations at risk? News on adverse health effects of low dose exposure to toxic metals

Room: A2

Chairs: Lars Barregård and Agneta Åkesson

10.00 – 10.20 Long term effects of metal accumulation through the nose-brain connection

R. Lucchini, University of Brescia, Italy

10.25 – 10.45 Kidney - critical organ for metals but methodological problems when interpreting urinary data.

A. Bernard, Catholic University of Louvain, Belgium

10.50 – 11.10 Bone – is it the critical organ for cadmium exposure? Should we measure fractures, bone mineral density or biomarkers?

A. Åkesson, Karolinska Institutet, Sweden

11.15 – 11.35 Cardiovascular disease and diabetes – old and new findings regarding methyl mercury, cadmium, and lead

L. Barregård, University of Gothenburg, Sweden

11.40 – 12.00 Biomonitoring: issues of analyses, nonlinear relationships, possible artefacts, and polymorphisms

I. Bergdahl, Umea University, Sweden

10.00 – 12.00 Symposium S8 From nanotoxicological research to safe management of nanomaterials

Room: A3+A4

Chairs: Bengt Fadeel and Kai Savolainen

10.00 – 10.20 Nanotoxicology: No small matter

Bengt Fadeel, Karolinska Institutet, Sweden

10.25 – 10.45 Environmental toxicity of engineered nanomaterials: Focus on aquatic species

R. Handy, University of Plymouth, United Kingdom

10.50 – 11.10 Hazardous properties of engineered nanomaterials: the pathogenic fibre paradigm

K. Donaldson, University of Edinburgh/MRC, United Kingdom

11.15 – 11.35 The potential human exposure to engineered nanomaterials: Facing the workplace challenge

Kai Savolainen, Finland

11.40 – 12.00 The European regulatory perspective on engineered nanomaterials

B. Sokull-Klüttgen, European Commission, Joint Research Centre, Italy

10.00 – 12.00 Workshop W5 microRNAs as mechanistic indicators and biomarkers of drug-induced toxicity

Room: C4

Chairs: Jonathan Tugwood and Jean-Charles Gautier

10.00 – 10.20 The application of Next Generation Sequencing to the detection and analysis of miRNAs

D. Tonge, Health Protection Agency, United Kingdom

10.25 – 10.45 miRNAs as drivers of specific gene expression changes associated with tissue injury

P. Couttet, Novartis Pharma AG, Switzerland

10.50 – 11.10 The association of miRNAs with drug-induced kidney injury

J-C. Gautier, Sanofi, France

11.15 – 11.35 miRNA-mediated changes in chemically-induced rat lung carcinogenesis, and their amelioration by chemopreventive agents

A. Izzotti, University of Genoa, Italy

11.40 – 12.00 General discussion

10.00 - 12.00 Oral session OS2 Endocrine-disruptors

Room: C1+C2

Chairs: Helen Håkansson and Patrik Andersson

10.00-10.15 Dietary cadmium exposure and risk of postmenopausal breast cancer

B. Julin, Karolinska Institutet, Sweden

10.15-10.30 Cadmium as a placental endocrine disruptor in humans

M. Piasek, Inst. Med. Res. Occup. Health, Zagreb, Croatia

10.30-10.45 Endocrine modulatory effects of cadmium (CdCl₂) in vivo

Imran Ali, Karolinska Institutet, Sweden,

10.45-11.00 Premalignant epigenetic effects of arsenic and cadmium in drinking water and food

K. Broberg, Lund University, Sweden,

11.00-11.15 Use of Organotypic Vaginal Tissue Model to Identify Endocrine Disrupting Chemicals.

S. Letasiova, MatTek IVLSL, Slovakia

- 11.15-11.30 Toxicity with LXR agonists – problem solving activities for mechanistic understanding
P. Andersson, AstraZeneca R&D, Sweden
- 11.30-11.45 Endocrine disruptors target chondrogenesis in vitro
T.A. Auxietre, UMRS Inserm 747, France
- 11.45-12.00 Bisphenol A at low doses: updated evidence on reproductive function
C. Rouselle, ANSES, France

12.00-13.00 EUROTOX debate endorsed by EUROTOX and SOT: Comparative Hazards: Chemicals in the Environment Are the Largest Risk to Human Health

Room: A3+A4

Eurotox Debater: David R Bell, ECHA Helsinki
SOT Debater: Stephen Safe, Texas A&M University, USA
Co-chair Ruth Roberts, Eurotox President Elect
Co-chair: Luis Lehman Mc Keeman SOT President Elect

13.00-14.00 Bo Holmstedt Memorial Fund (BHMF) lecture:

Chemical allergy: The immune system is clearing the danger?

Marc Pallardy, School of Pharmacy, University Paris-Sud, France

Room A3+A4

Chair: Herman Autrup

14.00 – 15.30 Roundtable discussion (K9). What is the next step for dealing with mixtures and low dose effects?

Room: A3+A4

16.00 – 18.00 Symposium S9 Unravelling the natural functions of the aryl hydrocarbon receptor and its proposed endogenous ligands

Room: C4

Chairs: Agneta Rannug and Charlotte Esser

- 16.00 – 16.20 Striking functions of the aryl hydrocarbon receptor in cancer: from the control of cell migration to the activation of genome-wide insulators

P. Fernández-Salguero, University of Extremadura, Spain

- 16.25 – 16.45 Formation and background levels of the proposed endogenous AHR ligand 6-formylindolo[3,2-b]carbazole in vitro and in vivo
U. Rannug, Stockholm University, Sweden
- 16.50 – 17.10 AhR in differentiation and function of immune cells, with a focus on mucosal immunity
C. Esser, IUF, Germany
- 17.15 – 17.35 Aryl hydrocarbon receptor in carcinogenesis
Stephen Safe, Texas A&M University, United States
- 17.40 – 18.00 Biological effects of the proposed endogenous AHR ligand 6-formylindolo[3,2-b]carbazole
A. Rannug, Karolinska Institutet, Sweden

16.00 – 18.00 Symposium S10 Read-across in risk assessment; problems or possibilities?

Room: C3

Chairs: David Bell and Stéphane Vidry

- 16.00 – 16.20 An introduction to read-across for chemicals in food
G. Kass, EFSA, Italy
- 16.25 – 16.45 Chemical-specific metabolism and implications for toxicology and read-across – 1
H. Foth, Martin Luther University, Germany
- 16.50 – 17.10 The application of large data sets of toxicological information to enable read-across – 1
S. Modi, Unilever, United Kingdom
- 17.15 – 17.35 Does read-across give enough certainty to ensure human health – 2
A. Boobis, Imperial College London, United Kingdom
- 17.40 – 18.00 Application of a read-across framework provides high quality safety information – 2
K. Blackburn, Procter and Gamble, United States

16.00 – 18.00 Symposium S11 Pollution from drug manufacturing – assessing and managing risks in different regions of the world

Room: A3+A4

Chairs: D. G. Joakim Larsson and Nancy Claude

16.00 – 16.20 Pharmaceutical pollution from Indian drug manufacturing – assessing risks for public and environmental health

D.G.J. Larsson, University of Gothenburg, Sweden

16.25 – 16.45 Antibiotic pollution from Chinese drug manufacturing – effects on resistance development

Y. Zhang, Chinese Academy of Sciences, China

16.50 – 17.10 Pollution with opiates and other drugs from drug manufacturing in New York state, USA

P. Phillips, US Geological Survey, United States

17.15 – 17.35 Adverse effects in wild fish living downstream from pharmaceutical manufacture discharges

W. Sanchez, INERIS, France

17.40 – 18.00 A path towards less pollution from drug manufacturing

R. Murray-Smith, AstraZeneca, United Kingdom

16.00 – 18.00 Symposium S12 New mechanistically based models for evaluation of drug induced liver injury: the IMI Predictive DILI project

Room: C1+C2

Chairs: Gerry Kenna and Percy Knolle

16.00 – 16.20 Scope of the problem confronting Pharmas and outline of the IMI Predictive DILI project

G. Kenna, AstraZeneca, United Kingdom

16.25 – 16.45 Evaluation and adverse consequences of metabolic bioactivation

K. Park, University of Liverpool, United Kingdom

16.50 – 17.10 Exploring hepatic transporter interactions

B. Stieger, University Hospital, Zurich, Switzerland

17.15 – 17.35 Investigating immune mechanisms, in vitro and in vivo

P. Knolle, Universitätsklinikum Bonn, Germany

17.40 – 18.00 In vivo imaging of hepatic steatosis

H-P. Juretschke, Sanofi-Aventis Deutschland GmbH, Germany

16.00 – 18.00 Oral session OS3 Nanotoxicology

Room: A2

Chairs: Herman Autrup and Hanna Karlsson

16.00-16.15 Effect of silver and silica nanoparticles on gene expression in A549 cells.
H. Autrup, Aarhus University, Denmark

16.15-16.30 Genotoxic and epigenetic effects of silver nanoparticles.

H. Karlsson, Karolinska Institutet, Sweden

16.30-16.45 Long needle-like CNT cause severe pulmonary inflammation after pharyngeal aspiration.

E. Rydman, Finnish Institute of Occupational Health, Finland

16.45-17.00 Automated high content imaging for in vitro assessment of nanomaterial toxicity.

G. Harris, JRC - European Commission, Italy

17.00-17.15 A comprehensive evaluation platform to assess nanoparticle toxicity in vitro.

C. Hirsch, Empa, Switzerland

17.15-17.30 Biocompatible micro cavity chip for noninvasive toxicity studies on the cellular level.

Y. Kohl, Fraunhofer IBMT, Germany

17.30-17.45 Use of 3D Tissue Models (EpiDerm, EpiAirway) for Nanotoxicology Applications.

S. Letasiova, MatTek IVLSL, Slovakia

17.45-18.00 General Discussion



WEDNESDAY 20 JUNE

08.30 – 10.30 Workshop W6 New tools in genetics and their application in toxicology

Room: A3+A4

Chairs: Jan Hengstler and David Bell

- 08.30 – 08.50 Genome-wide association studies (GWAS)- a tool for identifying genes involved in responses to toxic chemicals
F. Geller, Statens Serum Institut, Denmark
- 08.55 – 09.15 Genotype at the NAT2 gene; phenotype and relevance for occupational bladder cancer
S. Selinski, Leibniz-Institut fuer Arbeitsforschung, Germany
- 09.20 – 09.40 Analysis of the transcriptome and epigenome-state of the art and application to the detection of toxic responses in aquatic sentinel species
J. Kevin Chipman, The University of Birmingham, United Kingdom
- 09.45 – 10.05 Deep sequencing identifies novel genes underlying a hepatic response to toxins
D. Bell, ECHA, Finland
- 10.10 – 10.30 General discussion

08.30 – 10.30 Symposium S13 Clinical toxicology: Are new insights into epidemiology and mechanisms of toxicity changing our approach to important poisonings?

Room: C1+C2

Chairs: Bruno Mégarbane and Martin Wilks

- 08.30 – 08.50 Analgesics toxicity: the dextropropoxyphene banning in Europe
N. Bateman, NPIS Edinburgh, United Kingdom
- 08.55 – 09.15 Recreational stimulant overdrive: the mephedrone case
P. Hulten, European Association of Poisons Centres and Clinical Toxicologists (EAPCCT)
Swedish Poisons Information Centre, Sweden
- 09.20 – 09.40 Psychotropic drug poisonings: involvement of the blood brain barrier
X. Déclèves, INSERM U705, France

09.45 – 10.05 Carbon monoxide poisoning; is there evidence for hyperbaric oxygen therapy?

F. Lind, Karolinska University Hospital, Sweden

10.10 – 10.30 Cardiac glycoside overdose: is Fab fragment therapy life-saving?

B. Mégarbane, Lariboisière Hospital, France

08.30 – 10.30 Workshop W7 Pharmaceuticals in the environment: occurrence, effects on wildlife, and how to reduce the levels

Room: A2

Chairs: Christina Rudén and Jerker Fick

08.30 – 08.50 A search for 120 pharmaceuticals in wild fish from five European countries

J. Fick, Umeå university, Sweden

08.55 – 09.15 Effects of progestins and corticosteroids on fish reproduction and physiology.

S. Kugathas, Brunel University, United Kingdom

09.20 – 09.40 The continued threat of non-steroidal anti-inflammatory drugs to vultures

R. Cuthbert, Royal Society for the Protection of Birds, United Kingdom

09.45 – 10.05 Regulatory perspectives on pharmaceuticals in the environment

M. Ågerstrand, Royal Institute of Technology (KTH), Sweden

10.10 – 10.30 General discussion

08.30 – 10.30 Symposium S14 Toxicological significance of pharmacogenomics in cancer treatment

Room: C3

Chairs: Mumtaz Iscan and Philippe Beaune

08.30 – 08.50 Identification of genes predicting drug toxicity and response in the patient genome

A. Daly, Newcastle University, United Kingdom

- 08.55 – 09.15 Genetic factors of anticancer drug toxicity
P. Beaune, L'Université Paris Descartes, France
- 09.20 – 09.40 Drug/ Xenobiotic metabolizing enzyme polymorphisms and clinical outcome in lung cancer
M. Iscan, Ankara University, Faculty of Pharmacy, Turkey
- 09.45 – 10.05 Pharmacogenomics in efficacy and toxicity of endocrine therapy in breast cancer
M. Schwab, Dr. Margarete Fischer-Bosch Institute of Clinical Pharmacology (IKP) Germany
- 10.10 – 10.30 Pharmacogenetic aspects of taxane therapy toxicity
R. Van Schaik, Erasmus University Medical Center, Netherlands

11.00 – 13.00 Workshop W8 CEFIC-LRI Innovative science awardees (2007-2010)

Room: C4

- Chairs: Bruno Hubesch and Herman Autrup
- 2007: Human 3D-model for neurotoxicity testing
E Fritsche, IUF - Leibniz Research Institute, Germany
- 2009: Using metabolomic biomarkers to bridge the gap between environmental exposure and human disease
H C Keun, Imperial College London, United Kingdom
- 2010: In quest of new fingerprints of exposure to VOC from consumer products
J M Delgado Saborit, University of Birmingham, United Kingdom

11.00 – 13.00 Workshop W9 Cellular tight junctions – a target for nephrotoxins

Room: C3

- Chair: Kevin Chipman, UK
- 11.00 – 11.20 Speaker TBA
- 11.25 – 11.45 TBA

11.50 – 12.10 EPAC-RAP signalling protects against Cisplatin-induced apoptosis of renal proximal tubular cells

Giulia Benedetti, Leiden University, Netherlands

12.15 – 12.35 KIM-1 expression with segment-specific nephrotoxicants

A. Trevisan, Padua University, Italy

12.40 – 13.00 General discussion

11.00 – 13.00 Workshop W10 New in vitro methods for assessment of developmental toxicity endpoints

Room: A2

Chairs: Eugenio Vilanova and Mojmir Mach

11.00 – 11.20 New in vitro methods for developmental toxicity. Workshop introduction

E Vilanova, Universidad Miguel Hernández, Spain

11.25 – 11.45 Application of Micro Electrode Arrays (MEAs) as an Emerging Technology for in vitro Developmental Neurotoxicity Testing

A. Price, European Commission JRC, Italy

11.50 – 12.10 Gene expression markers of early stage of cell differentiation as end points for shortening in vitro developmental toxicity assays

M. Sogorb, Universidad Miguel Hernández de Elche, Spain

12.15 – 12.35 Proteomic versus genomic markers for cell differentiation and embryotoxicity

A.H. Piersma, RIVM, Netherlands

12.40 – 13.00 Molecular and cellular endpoints: practical relevance and challenges in developing in vitro endpoints for developmental and reproductive toxicity

E.M. Faustman, University of Washington, United States

11.00 – 13.00 Symposium S15 Dose-response relationship and receptor-mediated toxicology

Room: C1+C2

Chairs: Remi Bars and Ben van Ravenzwaay

Session sponsored by ECETOC.

- 11.00 – 11.20 Endocrine toxicity mediated through the ER, AR steroidogenic and AhR pathways. Case studies and dose response relationship
E. Gray, US Environmental Protection Agency, United States
- 11.25 – 11.45 Genomic dose-response modeling to inform key events in a mode-of-action risk assessment
R. Thomas, The Hamner Institutes for Health Science, United States
- 11.50 – 12.10 Endocrine toxicity - mediated through the AR and evaluation of dose-response relationship
R. Bars, Bayer S.A.S, France
- 12.15- 12.35 Dose-response relationship toxicity in CAR/PXR humanised mouse
C. Elcombe, CXR Biosciences, United Kingdom
- 12.40 – 13.00 Dose-response relationship in toxicity following Ah receptor activation in animal models
D. Schrenk, University of Kaiserslautern, Germany

11.00 – 13.00 Symposium S16 Stem cells in drug discovery and development

Room: A3+A4

Chairs: Jens Reinhart and Paul Duffy

- 11.00 – 11.20 Introduction/Overview – Stem cells as tools in screening/problem solving and Regenerative Medicine
P. Duffy, AstraZeneca, United Kingdom
- 11.25 – 11.45 Stem cell approaches for early drug discovery screening
F. Bonner, Stem Cells for Safer Medicines, United Kingdom
- 11.50 – 12.10 SC 3D culture/co-cultures/Bioreactors
D. Hay, University of Edinburgh, United Kingdom
- 12.15 – 12.35 Stem cells as advanced therapeutics
J. Sinden, ReNeuron, United Kingdom
- 12.40 – 13.00 Safety assessment and regulations
J. Reinhardt, Paul-Ehrlich-Institut, Germany

13.00-13.30 Closing ceremony

Room: A3+A4

Chair: Torbjörn Malmfors

- Farewell address by the president of the Swedish Society of Toxicology, Marie Haag Grönlund
- Award ceremony by the president of EUROTOX , Ruth Roberts
- Presentation of the 2013 EUROTOX congress in Interlaken, Switzerland
- Closing of the congress by the president of EUROTOX , Ruth Roberts



POSTERS

Monday June 18

P02: Biologics

P02-01

ALX-0171 toxicity study in RSV-infected cotton rats: safety and therapeutic potential

Gilles Hanton¹, Laurent Detalle¹, Sophie Priem¹, Marie-Paule Bouche¹, Erik Depla¹, Judith Baumeister¹
¹Belgium

P02-02

EFFECT OF CLOVE EXTRACT ON ONE OF THE MAIN BACTERIAL AGENTS OF HALITOSIS COMPARED WITH POVIDONE IODINE

Azam Bakhtiarian¹, Vahid Nikoui¹, Vida Nikooee¹, Seyyed-Mohammad Razavi¹, Sattar Ostadhadi¹, Tahmineh Narimani¹
¹Iran

P02-03

SAFETY OF NANOBODY® ALX-0651 TARGETING THE G PROTEIN COUPLED RECEPTOR CXCR4

Sandra De Boever¹, Sandy Jacobs¹, Benedikte Serruys¹, Veerle Snoeck¹, Karen Cromie¹, Judith Baumeister¹
¹Belgium

P02-04

NONCLINICAL SAFETY ASSESSMENT OF THE RANK-L TARGETING NANOBODY® ALX-0141

Sandy Jacobs¹, Maarten Van Roy¹, Alex Hemeryck¹, Ingrid Ottevaere¹, Judith Baumeister¹
¹Belgium

P02-05

Allele frequencies of fifteen STR loci in a population sample from Crete.

Elena Vakonaki¹, Maria Christakis-Hampsas¹, Athanasios Alegakis¹, Matthaios Flamourakis¹, Leda Kovatsi¹, Elisavet Renieri¹, Christina Tsitsimpikou¹, Stamatias Belivanis¹, Aristidis Tsatsakis¹
¹Greece

P02-06

Beneficial effects of mesenchymal stem cells conditioned media on skin regeneration.

Joana Miranda¹, Elyse Filipe¹, Rita Barcia¹, Helder Cruz¹, Pedro Cruz², Ana Sofia Fernandes¹, Madalena Cipriano¹, Matilde Castro¹, Miguel Santos¹
¹Portugal

P02-07

Comparison of allele frequencies of 15 STR loci between two populations in Greece

Elena Vakonaki¹, Leda Kovatsi¹, Athanasios Alegakis¹, Vasilis Androutsopoulos¹, Miriana Gubandru², Maria Christakis-Hampas¹, Matthaios Flamourakis¹, Aristidis Tsatsakis¹

¹Greece, ²Romania

P03: Biomarkers

P03-01

Cell-free DNA, a novel noninvasive biomarker in prostate malignancy

Raluca Dumache¹, Maria Puiu¹, Anca Tudor¹, Serban Negru¹, Sorina Popescu¹, Oana-Maria Ioja-Boldura¹, Bogdan Bumbacila¹

¹Romania

P03-02

POSTMORTEM CHANGES IN CARBON MONOXIDE POISONING

Ricardo Dinis-Oliveira¹, Félix Carvalho¹, Agostinho Santos¹, Teresa Magalhães¹

¹Portugal

P03-03

Early inflammatory responses to identify biomarkers of chemical-induced lung injury.

Sofia Jonasson¹, Bo Koch¹, Lina Ågren¹, Barbro Ekstrand-Hammarström¹, Anders Bucht¹

¹Sweden

P03-04

Effect of Nephrotoxic Treatment with Gentamicin on rats Exposed to Fluoride.

Carmen Cárdenas-González¹, Luz M. Del Razo¹, Olivier Barbier¹, Tania Jacobo¹

¹Mexico

P03-05

Proteomic approach for the detection of biomarkers of exposure in mussels exposed to PCB

Letizia Ambrosio¹, Fabrizio Dal Piaz¹, Rosario Russo¹, Giuseppe Palma¹, Alberto Mantovani¹, Nunziatina De Tommasi¹, Lorella Severino²

¹Italy, ²

P03-06

Neopterin as a predictive biomarker in bitumen workers

Saziye Sezin Palabiyik¹, Gözde Girgin¹, Terken Baydar¹, Engin Tutkun¹, Hinc Yilmaz¹

¹Turkey

P03-07

Evaluation of a Biomarker for Assessment of Acute Acrylonitrile Exposure in Humans

Frederick Benz¹, Jian Cai¹, Donald Nerland¹, Harrell Hurst¹

¹United States

P03-08
Bile acid profiling as an investigative tool for liver function and biliary toxicity

Elin Karlsson¹, Benita Forngren¹, Johan Kolmert¹, Erik Wahlström¹, Ingela Gustafsson¹, Pierre Dönnés¹, Johan Lindberg¹

¹Sweden

P03-09
Cysteine pyrrole conjugates as biomarkers of toxicity in 2,5-hexanedione exposed rats

Maria Edite Torres¹, Luísa Gonçalves¹, Ana Paula Santos¹, Maria do Rosário Bronze¹, Maria Camila Batoréu¹, Maria Luisa Mateus¹

¹Portugal

P03-10
Changes on biomarkers of 2,5-hexanedione exposure induced by N-acetylcysteine

Maria Edite Torres¹, Maria Camila Batoréu¹, Maria Luísa Mateus¹

¹Portugal

P03-11
Isoform specific ALT measurement during liver and skeletal muscle damage

Björn Glinghammar¹, Ingalill Rafter¹, Ina Schuppe-Koistinen¹, Ian Cotgreave¹

¹Sweden

P03-12
Qualification of new biomarkers for drug-induced liver injury in a human cohort

Petra Thulin¹, Marcus Gry¹, Gunnar Nordahl¹, Getnet Yimer¹, Stig Linder¹, Eleni Aklillu¹, Björn Glinghammar¹, Ina Schuppe-Koistinen¹

¹Sweden

P03-13
Validation of a Food Frequency Questionnaire for Dietary PCB Exposure Assessment

Charlotte Bergkvist¹, Agneta Åkesson¹, Anders Glynn¹, Hannu Kiviranta², Panu Rantakokko², Alicja Wolk¹, Marika Berglund¹

¹Sweden, ²Finland

P04: Biomonitoring

P04-01
Perfluorinated alkyl acids in serum from nursing women from Uppsala, Sweden 1996-2010

Anders Glynn¹, Urs Berger¹, Anders Bignert¹, Shahid Ullah¹, Marie Aune¹, Sanna Lignell¹, Per Ola Darnerud¹

¹Sweden

P04-02

Biological monitoring of aflatoxin (AFB1) in workers of swine and poultry production

Susana Viegas¹, Luisa Veiga¹, Ana Almeida¹, Elisabete Carolino¹, Carla Viegas¹

¹Portugal

P04-03

Detecting xenoestrogens with an in vivo assay system

Wenjau Lee¹, Chi-Wei Kan¹, Chung-Kai Su¹, Kataaki Okubo², Yoshitaka Nagahama²

¹Taiwan, ²Japan

P04-04

Heavy Metals of Yeniçağ Lake (Turkey) and its potential sources: soil, sediment, water

Yasemin Saygi¹, Sibel Atasagun¹

¹Turkey

P04-05

DETERMINATION OF MULTIRESIDUAL PESTICIDE BIOACCUMULATION IN AQUATIC FOOD CHAIN IN THE KARABOGAZ LAKE (SAMSUN, TURKEY)

ZEYNEP YURTKURAN¹, YASEMIN SAYGI¹, ONER KOCAK¹

¹Turkey

P04-06

DETERMINATION OF LYMPHOCYTE DNA DAMAGE BY USE OF COMET ASSAY IN PAINTERS

Zeliha KAYAALTI¹, Esmâ SOYLEMEZ¹, Aysegül BACAŞIZ¹, Emrah DURAL¹, Hinc YILMAZ¹, Tülin SOYLEMEZOĞLU¹

¹Turkey

P04-07

Monitoring pesticide levels in watercourses nearby rice cultivation

Lena Elfman¹, Nigel Tooke¹, Johan Patring¹

¹Sweden

P04-08

Time trends of BDE congeners in serum of Swedish mothers and comparisons to breast milk

Per Ola Darnerud¹, Sanna Lignell¹, Anders Glynn¹, Marie Aune¹, Martin Isaksson¹, Johan Redebý¹

¹Sweden

P04-09

Biomonitoring human exposure to tebuconazole

Silvia Fustinoni¹, Rosa Mercadante¹, Elisa Polledri¹, Federico Rubino¹, Claudio Colosio¹, Angelo Moretto¹

¹Italy

P04-10
Occurrence of aflatoxin B1 in diets of dairy cattle and aflatoxin M1 in raw milk

Raul Ortiz-Martinez¹, ARTURO VALDIVIA-FLORES¹, MA. CAROLINA DE LUNA-LOPEZ¹, TEODULO QUEZADA-TRISTAN¹, ARMANDO MARTINEZ-DE ANDA¹

¹Mexico

P04-11
All are exposed to the plant growth regulator chlormequat

Margareta Littorin¹, Margareta Maxe¹, Else Åkerberg¹, Bo Jönsson¹, Christian Lindh¹

¹Sweden

P04-12
Serum levels of PBDEs in aircraft maintenance workers

Greta Smedje¹, Kristina Jakobsson¹, Torsten Lindgren¹, Åke Bergman¹

¹Sweden

P04-13
Liquid chromatography-mass spectrometry of polychlorinated biphenyls (PCBs) using dopant assisted atmospheric pressure photoionization.

Emmanouil Barbounis¹, Athanassios Moukas¹, Anastasia Xiskia¹, Manolis Tzatzarakis¹, Polychronis Stivaktakis¹, Aikaterini Kokkinaki¹, Aristidis Tsatsakis¹

¹Greece

P04-14
Persistent organic pollutants in human milk as an indicator of exposure to dioxins

Lucija Perharic¹, Irena Jeraj¹, Pia Vracko¹, Natasa Kovac¹, Alenka Kraigher¹

¹Slovenia

P05: Carcinogenesis

P05-01
Molecular diagnosis of bladder cancer from body fluids by methylation-specific PCR

Raluca Dumache¹, Maria Puiu¹, Serban Negru¹, Radu Minciu¹, Adina Bucur¹, Bogdan Bumbacila¹

¹Romania

P05-02
Proinflammatory cytokine alters metabolism of benzo[a]pyrene in lung cells

Jan Vondracek¹, Lenka Umannova¹, Jiri Neca¹, Alois Kozubik¹, Miroslav Machala¹

¹Czech Republic

P05-03
Persistent induction of CYP1A1 by 3-methylcholanthrene: Role of CYP1A2

Bhagavatula Moorthy¹, Weiwu Jiang¹, Lihua Wang¹, Xanthi Couroucli¹, Chu Chun¹

¹United States

P05-04

CYTOCHROME P450 CYP1 OVEREXPRESSION IN HUMAN TUMORS

Vasilis Androutsopoulos¹, Stavros Sifakis¹, Athanasios Alegakis¹, Michalis Kiriakakis¹, Achilles Ploumidis¹, Elena Vakonaki¹, Dimitris Delakas¹, Demetrios Spandidos¹, Aristidis Tsatsakis¹

¹Greece

P05-05

Exocrine pancreatic tumorigenesis and autotaxin expression

Sandeep Kadekar¹, Ilona Silins¹, Anna Korhonen², Kristian Dreij¹, Lauy Al-Anati¹, Johan Högberg¹, Ulla Stenius¹

¹Sweden, ²United Kingdom

P05-06

SENSIBILITY OF RASH2 AND NON-TG MICE IN TWO-STAGE SKIN CARCINOGENICITY STUDY

Koji Urano¹, Mayumi Kawabe¹, Mayuko Suguro¹, Takamasa Numano¹, Masahiko Yasuda¹, Hideki Tsutsumi¹, Fumio Furukawa¹

¹Japan

P05-07

Individual differences in efficacy and toxicity of the platinum-based drugs

Mahmoud Abudayyak¹, Gül Ozhan¹, Buket Alpertunga¹

¹Turkey

P06: Clinical toxicology

P06-01

Inhalation of thinner solvents: case report.

Mohamed Gaber Ahmed¹

¹Egypt

P06-02

BRUXISM AFTER 3,4-METHYLENEDIOXYMETHAMPHETAMINE (ECSTASY) ABUSE

Ricardo Dinis-Oliveira¹, Félix Carvalho¹, Inês Caldas¹, Teresa Magalhães¹

¹Portugal

P06-03

Managing the new challenges and widening spectrum of Poison Control Centre activities

Slavica Vucinic¹

¹Serbia

P06-04

THE COMPARISON OF THE BLOOD MERCURY IN HYPERTENSIVE AND NORMOTENSIVE PATIENTS IN TEHRAN HOSPITALS

Azam Bakhtiarian¹, Mahmoud Ghazi-Khansari¹, Abbas Mohaghegh¹, Vahid Nikoui¹
¹Iran

P06-05

Potential effects of non-conjugated metabolites of propofol in clinical variables

Maria Bastos¹, Sónia Campos¹, Aura Silva¹, Paula Pinho¹, Paula Branco¹, Luisa Ferreira¹, Luis Antunes¹
¹Portugal

P06-06

EVALUATION OF QUETIAPINE THERAPY IN PATIENTS WITH GENERALIZED ANXIETY DISORDER

Daniela Ionescu¹, Cristina Dehelean¹, Simona Funar-Timofei¹, Elena Galca¹, Raluca Dumache¹, Codruta Soica¹
¹Romania

P06-07

Rhabdomyolysis in acute poisonings: 229 hospitalized patients

Snezana Jankovic¹, Jasna Jovic-Stosic¹, Silva Dobric¹, Slavica Vucinic¹
¹Serbia

P06-08

Relevant toxicokinetic and dynamic differences in ecstasy-induced toxic effects

Laura Hondebrink¹, Saskia Rietjens¹, Jan Meulenbelt¹
¹Netherlands

P06-09

Methylphenidate exposure: what is the risk?

Saskia Rietjens¹, Laura Hondebrink¹, Jan Meulenbelt¹, Irma de Vries¹
¹Netherlands

P06-10

A review of "Dippers' Flu". Sheep dip pesticides & farmers' ill health in the UK.

Huw Rees¹
¹United Kingdom

P06-11

Clinical toxicology evolution of body packers between 1997 and 2011

Graciela Sorrentino¹
¹Argentina

P06-12

Poisoning by Penicillium toxins - clinical and brain receptor effects

Gunnar Sundstøl Eriksen¹, Thomas Rundberget¹, Mattis B. Wigestrånd¹, Frode Fonnum¹, Aksel Bernhoft¹, Angel Moldes-Anaya¹

¹Norway

P06-13

Experimental pigweed poisoning in Iranian fat-tailed sheep

Khalil Badiei¹, Mehrdad Pourjafar¹, Saeid Nazifi¹, Mohsen Ghane¹, Nasim Pakniat¹

¹Iran

P06-14

A Systematic Comparison Between Young and Older Workers: Handling Chemicals Exposure.

Claude Emond¹

¹Canada

P07: Computational toxicology

P07-01

A novel infrastructure for chemical safety predictions with focus on human health

Ola Spjuth¹, Egon Willighagen¹, Ulf Hammerling¹, Lennart Dencker¹, Roland Grafström¹

¹Sweden

P07-02

Isotonic regression-based method for high throughput genotoxicity screenings

Yosuke Fujii¹, Takeo Narita¹, Shunich Takeda¹, Ryo Yamada¹

¹Japan

P07-03

Computational toxicology using OpenTox & Bioclipse

Egon Willighagen¹, Ola Sjuth¹, Roland Grafström²

¹Sweden, ²Finland

P07-04

Refined animal toxicity testing using unequally sized dose groups and Benchmark Dose.

Joakim Ringblom¹, Gunnar Johanson¹, Mattias Öberg¹

¹Sweden

P07-05

In silico modeling of the intracellular dynamics of polycyclic aromatic hydrocarbons

Kristian Dreij¹, Qasim A. Chaudhry¹, Jie Zhang¹, Kathrin Sundberg¹, Bengt Jernström¹, Michael Hanke¹, Ralf Morgenstern¹

¹Sweden

P07-06
Use of Novel Computational Techniques to Identify Toxicity Signals in Drug Candidates

 Wolfgang Muster¹, Patricia Geretto², Latha Prabhakar³, Shree Nath⁴
¹Switzerland, ²France, ³India, ⁴United States

P07-07
Reactivity evaluation of bisphenol A-3,4-quinone with DNA. A computational study

 Marija Sollner Dolenc¹, Katra Kolsek¹, Janez Mavri¹
¹Slovenia

P07-08
BioSim-Exploiting pharmacological similarity in the context of drug safety

 Daniel Muthas¹, Scott Boyer¹
¹Sweden

P07-09
Preclinical Observation Profiles - The sum of findings are greater than the parts

 Daniel Muthas¹, Joanna Parkinson², Matthew Clark³, Jean-Pierre Valentin², Scott Boyer¹, Lorna Ewart²
¹Sweden, ²United Kingdom, ³United States

P07-10
Model building in Bioclipse Decision Support applied to open datasets

 Lars Carlsson¹, Ola Spjuth¹, Martin Eklund¹, Scott Boyer¹
¹Sweden

P07-11
Electrophysiologically inactive drugs - can we predict their cardiotoxicity?

 Sebastian Polak¹, Barbara Wisniowska¹, Kamil Fijorek¹, Anna Glinka¹, Aleksander Mendyk¹
¹Poland

P07-12
Developing a novel QSAR framework for nanomaterial toxicity

 Egon Willighagen¹, Hanna Karlsson¹, Roland Grafström², Bengt Fadeel¹
¹Sweden, ²Finland

P07-13
Developing mathematical QSPR models to predict evaporation of chemicals

 Tao Liu¹, Matias Rauma¹, Gunnar Johanson¹
¹Sweden

P07-14

Extrapolation of toxic concentrations in in vitro assays by a high throughput PBPK model

Sieto Bosgra¹, Joost Westerhout¹, Ad Knaapen¹, Miriam Verwei¹

¹Netherlands

P08: Consumers' protection

P08-01

SIX SIGMA IMPROVEMENT PROCESS in Mansoura University Toxicology Unit

Mohamed Salama¹

¹Egypt

P08-02

Effects of active and passive electronic and tobacco cigarette smoking on lung function

Maria Chorti¹, Konstantina Poulianiti¹, Athanasios Jamurtas¹, Konstantinos Kostikas¹, Manolis

Tzatzarakis¹, Dionysios Vynias¹, Yiannis Koutedakis¹, Andreas Flouris¹, Aristidis Tsatsakis¹

¹Greece

P08-03

EFFECTS OF ELECTRONIC CIGARETTE AND TOBACCO CIGARETTE SMOKING ON COMPLETE BLOOD COUNT

Dimitrios Kouretas¹, Konstantina Poulianiti¹, Maria Chorti¹, Athanasios Jamurtas¹, Konstantinos Kostikas¹,

Manolis Tzatzarakis¹, Yiannis Koutedakis¹, Andreas Flouris¹, Aristidis Tsatsakis¹

¹Greece

P09: Genotoxicity

P09-01

Chromosomal Aberrations as Biomarker of Exposure to Malathion in Agriculture Workers.

Ragaa Darwish¹, Naima Sherif¹, Mona Hassan¹, Hanan Mahrous¹

¹Egypt

P09-02

Antigenotoxic effect of 4-methylesculetin on mice cells exposed to doxorubicin

Edson Maistro¹, Rafael Fedato¹

¹Brazil

P09-03

Genotoxic effects of β 2-agonists on bacterial test systems and human cell lines

Jelka Pleadin¹, Ana Vulic¹, Ksenija Durgo¹, Nevenka Kopjar¹, Željko Mihaljevic¹, Jasna Franekic¹

¹Croatia

P09-04
Dioxin-induced genomic instability in mouse embryonic fibroblasts

 Matti Viluksela¹, Merja Korkalainen¹, Katriina Huuonen¹, Jonne Naarala¹, Jukka Juutilainen¹
¹Finland

P09-05
Genotoxic effects of cyclopentenone prostaglandins in hamster lung fibroblast cells

 Dieter Schrenk¹, Melanie Esselen¹, Gergely Morten Solecki², Julia Kajzar¹
¹Germany, ²Austria

P09-06
Evaluation of the role of DMT1 polymorphism and Fe, Pb and Cd levels in the blood samples

 Zeliha KAYAALTI¹, Tülin SOYLEMEZOGLU¹
¹Turkey

P09-07
Polymorphisms of DNA repair genes and DNA damage in workers exposed to organic solvents

 Aysegül BACAŞIZ¹, Zeliha KAYAALTI¹, Engin TUTKUN¹, Esmâ SOYLEMEZ¹, Gülin GUVENDİK¹, Tülin SOYLEMEZOGLU¹
¹Turkey

P09-08
DNA damage in workers occupationally exposed to Arsenic

 Tülin SOYLEMEZOGLU¹, Esmâ SOYLEMEZ¹, Zeliha KAYAALTI¹, Aysegül BACAŞIZ¹, Hınç YILMAZ¹
¹Turkey

P09-09
Effect of GST Polymorphisms on As Levels of Placental and Maternal Biological Samples

 Vugar ALIYEV¹, Zeliha KAYAALTI¹, Birsen KAPLAN¹, Tülin SOYLEMEZOGLU¹
¹Turkey

P09-10
Modulation of the genotoxicity of atmospheric PAHs in cultured cells from target organs

 Camille GENIES¹, Anne Maitre¹, Adeline Tarantini¹, Lefebvre Emmanuel¹, Choppard-Lallier Marianne¹, Douki Thierry¹
¹France

P09-11

Micronucleus Assay in rabbits; A genotoxicity study of sub-acute levels of imidacloprid.

Polychronis Stivaktakis¹, Georgios Maravgakis¹, Matthaios Kavvalakis¹, Manolis Tzatzarakis¹, Athanasios Alegakis¹, Eleuthera Theodoropoulou¹, Manolis Kokkinakis¹, Jyrki Liesivuori², Aristidis Tsatsakis¹
¹Greece, ²Finland

P09-12

Role of the DMT1 Gene Polymorphism on Manganese Levels in Placental Tissues

Deniz TEKIN¹, Zeliha KAYAALTI¹, Vugar ALIYEV¹, Tülin SOYLEMEZOGLU¹
¹Turkey

P09-13

Increased mutant frequency in V79 cells expressing human CYP P450 1B1

Anne Schlechtweg¹, Harald Esch¹, Daniela Martínez Jaramillo¹, Leane Lehmann¹
¹Germany

P09-14

Reversible genotoxicity of adenosine in mouse lymphoma L5178Y cells

Stefan Czene¹, Britt-Marie Jörgensen-Burman¹, Ingrid Welander¹, Siv Osterman-Golkar¹, Siamak Haghdoost¹
¹Sweden

P09-15

Transcriptional mutagenesis: p53 protein as probe of biological effects

Kristian Dreij¹, Stefano Malvezzi¹, John Burns², David A. Scicchitano², Ulla Stenius¹
¹Sweden, ²United States

P09-16

Decreased mutation frequencies in MTH1-knockdown mouse lymphoma L5178Y cells

Stefan Czene¹, Ingrid Welander¹, Britt-Marie Jörgensen-Burman¹, Traimate Sangsuwan¹, Siv Osterman-Golkar¹, Siamak Haghdoost¹
¹Sweden

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IMPACT OF OATP1B1 VARIANTS ON COLORECTAL CANCER

Buket Alpertunga¹, Mehtap Vefai¹, Fatih Sari¹, Gül Özhan¹
¹Turkey

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Gül Özhan¹, Mine Mutur¹
¹Turkey

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 Marilyn Aardema¹, Shambhu Roy¹, Anna Szkudlinska¹, Keyan Wang¹, Jing Shi¹, Scott Hickman¹, Wannie Madraymootoo¹
¹United States

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 Mehtap Vefai¹, Buket Alpertunga¹, Gül Özhan¹
¹Turkey

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 Christopher Coggins¹, Mark Ballantyne², Margarita Curvall³, Lars Erik Rutqvist³
¹United States, ²United Kingdom, ³Sweden

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 Farah Maria Drumond Chequer¹, VINÍCIUS DE PALMA VENÂNCIO¹, MARIA VALNICE BOLDRIN ZANONI¹, MARIA DE LOURDES PIRES BIANCHI¹, LUSÂNIA MARIA GREGGI ANTUNES¹
¹Brazil

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 Cecilia Diaz Pohl¹, Marie Bjurström¹, Alaa Saad¹, Keith Lowton¹, Charlotta Fred¹
¹Sweden

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 Kati-Susanna Hannukainen¹, Satu Suhonen¹, Kai Savolainen¹, Hannu Norppa¹
¹Finland

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 Manushi Siddharth¹, Sudip Datta¹, Savita Bansal¹, Dipti Kapoor¹, Diwesh Chawla¹, Om Kalra¹, Basu Banerjee¹, Ashok Tripathi¹
¹India

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 Anatoly Zhitkovich¹, Mindy Reynolds¹, Susan Armknecht¹
¹United States

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Yasmin Dietz¹, Philip G. Hewitt¹, Simone Graeber¹, Stefan O. Mueller¹

¹Germany

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Evelyn Beristain-Castillo¹, Rafael Camacho-Carranza¹, Sandra Luz Hernández-Ojeda¹, Jesús Javier Espinosa-Aguirre¹

¹Mexico

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Emre Durmaz¹, Ümit Aydoğan¹, Cihangir Mutlu Ercan¹, Onur Kenan Ulutas¹, Serkan Kavuk¹, Ismet Çok¹

¹Turkey

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Pamela Melki¹, Claude Afif¹, Ziad Daoud¹, Roula M. Abdel-Massih¹

¹Lebanon

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Silvia Letasiova¹, Alex Armento², Jane DeLuca², Yulia Kaluzhny², Mitchell Klausner², R. Smith², Patrick J. Hayden²

¹Slovakia, ²United States

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Hepatoprotective role of Polygonum bistorta and tannic acid on APAP treated rats.

Deepak Kumar Mittal¹, Deepmala Joshi¹, Sangeeta Shukla¹

¹India

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Nenad Stojiljkovic¹, Milan Stojiljkovic¹, Sonja Ilic¹, Marija Gocmanac-Ignjatovic¹

¹Serbia

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 Alli Manninen¹, Bo Blomgren¹, Janet Hoogstraate¹
¹Sweden

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 Smita Jagtap¹, Kesavan Meganathan², Vilas Wagh², John Antonydas Gaspar², Jürgen Hescheler², Agapios Sachinidis²
¹Germany, ²
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Embryonic Stem cells differentiation substantiates thalidomide teratogenicity

 Kesavan Meganathan¹, Smita Jagatp¹, Vilas Wagh¹, John Antonydas Gaspar¹, Johannes Winkler¹, Jürgen Hescheler¹, Agapios Sachinidis¹
¹Germany

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 Vasilis Androutsopoulos¹, Ketan Rupelia², Kenneth Beresford², Eleni Koutala¹, Randolph Arroo², Demetrios Spandidos¹, Jyrki Liesivuori³, Aristidis Tsatsakis¹
¹Greece, ²United Kingdom, ³Finland

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 Lawrence Trost¹, Rozemarijn Verhoeven¹, Alice Robertson¹, Herve Mommeja-Marin¹, George Painter¹, Wendy Painter¹
¹United States

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 Jonas P Bergström¹, Gry Marcus¹, Lengqvist Johan¹, Lindberg Johan¹, Schwenk Jochen¹, Nilsson Peter¹, Drobin Kimi¹, Watkins Paul B², Schuppe Koistinen Ina¹
¹Sweden, ²United States

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 Luciana Grazziotin Rossato¹, Vera Marisa Costa¹, Eliane Dallegrave², Maria de Lourdes Bastos¹, Ricardo Dinis-Oliveira¹, José A Duarte¹, Carlos Palmeira¹, Fernando Remião¹
¹Portugal, ²Brazil

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Harsharon Bahia¹, Timothy Gant¹

¹United Kingdom

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Mohamed Kreet¹, M.H. El. Karadawey¹

¹Egypt

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Lars Mecklenburg¹

¹Germany

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Aneta Novotna¹, Zdenek Dvorak¹, Petr Pavek¹

¹Czech Republic

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Radim Vrzal¹, Boris Cvek¹, Zdenek Dvorak¹

¹Czech Republic

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Soheila Kashanian¹, Sanaz Javanmardi¹

¹Iran

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Soheila Kashanian¹, Sanaz Javanmardi¹

¹Iran

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Vânia Vilas-Boas¹, Renata Silva¹, Cátia Vieira¹, Inês Martins¹, Luísa Ferreira¹, Paula Branco¹, Maria de Lourdes Bastos¹, Fernando Remião¹

¹Portugal

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kobra mehrannia¹, Parichehr Paspakhsh¹, Maryam Shayan¹
¹Iran

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Patrik Andersson¹
¹Sweden

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Manolis Tzatzarakis¹, Manolis Savvopoulos¹, Matthaios Kavvalakis¹, Islam Nagaev², Leda Kovatsi¹, Stamatis Belivanis¹, Eleutherios Koutras¹, Ioannis Nestoros¹, Aristidis Tsatsakis¹
¹Greece, ²Russian Federation

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Marisa Kreider¹, Britt McAtee¹, Brent Finley¹, Julie Panko¹
¹United States

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Giuliano Polichetti¹, Domenico Capone¹, Raffaele Polichetti¹, Carolina Attianese¹, Maria Altarelli¹, Alfredo Nunziata¹, Konstantinos Grigoropoulos², Antonio Gentile¹
¹Italy, ²Greece

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¹Iran

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Mohammad Ali Ghaffari¹, Morad Rostami¹
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Dan Norbäck¹, Lars Lind¹, Gunilla Wieslander¹, P Monica Lind¹
¹Sweden

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Moa Säfholm¹, Anna Norder¹, Cecilia Berg¹
¹Sweden

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Lars Lind¹, Samira Salihovic¹, Bert van Bavel¹, Ulf Riserius¹, P Monica Lind¹
¹Sweden

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Lars Lind¹, Louise Nordfors¹, Karin Luttrup¹, Ann-Christine Syvänen¹, Samira Salihovic¹, Bert van Bavel¹, P Monica Lind¹
¹Sweden

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Monica Lind¹, Vendela Roos¹, Monika Rönn¹, Samira Salihovic¹, Bert van Bavel¹, Håkan Ahlström¹, Lars Johansson¹, Joel Kullberg¹, Lars Lind¹
¹Sweden

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handan uysal¹, HALIT KIZILET¹, ARIF AYAR¹, DENIZ ALTUN ÇOLAK¹, SIDIKA SEMERDÖKEN¹
¹Turkey

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P Monica Lind¹, Björn Zethelius¹, Lars Lind¹
¹Sweden

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P Monica Lind¹, Samira Salihovic¹, Bert van Bavel¹, Lars Lind¹
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 Ylva Sjöberg Lind¹, P Monica Lind¹, Samira Salihovic¹, Bert van Bavel¹
¹Sweden

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 Monika Rönn¹, Helén Andersson¹, Lena Olsén¹, Lars Lind¹, Eva Brittebo¹, P. Monica Lind¹
¹Sweden

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 Lulzim Zeneli¹, Blerim Krasniqi¹, Leonard Kurti¹, Ariana Kelmendi¹, Iliriana Osmani¹, ¹
¹Albania

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 Sonja Kaisarevic¹, Vanja Dakic¹, Jelena Hrubik¹, Zorana Vujin¹, Kristina Pogrmic-Majkic¹, Svetlana Fa¹, Branka Glisic¹, Radmila Kovacevic¹
¹Serbia

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 Barbro Ekstrand-Hammarström¹, Camilla Österlund¹, Roger Magnusson¹, Anders Bucht¹, Håkan Wingfors¹
¹Sweden

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Munition related metals - Combined toxicity of Antimony, Copper, and Lead.

 Per Leffler¹, Rune Berglind¹, Jan Sjöström¹, Jeff Lewis²
¹Sweden, ²
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Subchronic cardiovascular toxicity of ambient particles in diabetic and healthy rats

 Tsun-Jen Cheng¹, Yuan-Horng Yan¹, Jyh-Seng Wang¹, Chun-Liang Tung¹
¹Taiwan

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 Sylvie Remy¹, Inge Nelissen¹, Jef Hooyberghs¹, Rosette Van Den Heuvel¹, Greet Schoeters¹
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Marie Strömqvist¹, Jan Olsson¹, Anna Kärrman¹, Björn Brunström¹
¹Sweden

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Toxicological profiles of two abundant PCBs in rat offspring.

Robert Roos¹, Filip Rendel¹, Maria Herlin¹, Gerd Hamscher², Krister Halldin¹, Dieter Schrenk², Helen Håkansson¹, Matti Viluksela³
¹Sweden, ²Germany, ³Finland

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Technical decabromodiphenyl ether exposure induce retinoid system changes

Julia Asencio¹, Sabina Litens², Xavier Barber¹, Filip Rendel², Robert Roos², Leo van der Ven³, Gerd Hamscher⁴, Javier Esteban¹, Helen Håkansson²
¹Spain, ²Sweden, ³Netherlands, ⁴Germany

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Perfluorooctanoic acid toxicity in zebrafish (Danio rerio)

Mazhar Ulhaq¹, Stefan Orn¹, Gunnar Carlsson¹, Jonas Tallkvist¹, Leif Norrgren¹
¹Sweden

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Reduced β -oxidation in avian following exposure of polycyclic aromatic hydrocarbons

Ola Westman¹, Marcus Nordén¹, Maria Larsson¹, Nikolaos Venizelos¹, Henner Hollert², Magnus Engwall¹
¹Sweden, ²Germany

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Montserrat Bellés Mateu¹, Victoria Linares Vidal¹, Gemma Perello¹, Beatriz Millan¹, José Luis Domingo¹
¹Spain

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Hazard assessment of 15 veterinary pharmaceuticals in zebrafish embryos

Gunnar Carlsson¹, Johan Patring¹, Jenny Kreuger¹, Leif Norrgren¹, Agneta Oskarsson¹
¹Sweden

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Occurrence Pesticide Residue in Anzali Lagoon Water at Gilan Province, Iran

Niloufar Behtash¹, Zahra Nazari Khorasgani¹, Mohammad Hassan Rabie Rad¹
¹Iran

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Farzad Hosseinibehbahani¹, Zahra Nazari Khorasgani¹, Niloufar Behtash¹

¹Iran

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Ann Detmer¹, Brian Svend Nielsen¹, Anders Permin¹, Torkild Fischer Jensen¹, Ulrik Aunskjær¹, Gitte I Petersen¹

¹Denmark

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Effect of environmental pollutants on obesity parameters in vitro

Camilla Taxvig¹, Julie Boberg¹, Christine Nellemann¹, Anne Marie Vinggaard¹

¹Denmark

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Florianne Tschudi-Monnet¹, Jenny Sandström von Tobel¹, Paola Antinori¹, Robin Rosset¹, Marie-Gabrielle Zurich¹, Alex Scherl¹

¹Switzerland

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Nrashant Singh¹, Yoshiok Narendra Raghav¹, Ajay Agarwal¹

¹India

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Rosette Van Den Heuvel¹, Hilda Witters¹, Greet Schoeters¹

¹Belgium

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Ela Kadioglu¹, N. Deniz Hisarli¹, Elif Asik¹, Gonca Cakmak Demircigil¹, Usama Alshana¹, Nusret Ertas¹, Celalettin R. Celebi¹, Esref Atabey¹, O. Yavuz Ataman¹, Hakan Serce¹, Nazmi Bilir¹, A. Murat Tuncer¹, Sema Burgaz¹

¹Turkey

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Martine KOLF-CLAUW¹, Julie CHIRON¹, Nathalie Arnich¹, Philippe BERNY¹, Rosine DANGUY des DESERTS¹, Charlotte Dunoyer¹, Jean GUILLOTIN¹, Arlette LAVAL¹, Hervé MORVAN¹, Ohri Yamada¹, Ghislain MANET¹, Hervé POULIQUEN¹

¹France

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Jeanne Goshorn¹, Pertti Hakkinen¹

¹United States

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Cristina Carvalho¹, Neusa Figueiredo¹, João Canário¹, Aida Duarte¹

¹Portugal

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Fetal exposure to MAM in rats induces life-lasting non-progressive neural impairment

Didima De Groot¹, Didima De Groot¹, Donald Fox², Ine Waalkens³, Jan Lammers³

¹Netherlands, ²United States

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Fetal exposure to polybrominated diphenyl ethers and atopic dermatitis of infants

Chisato Mori¹, Yuka Igoshi¹, Shingo Ochiai¹, Shuichi Suzuki¹, Yoshiharu Matsuno¹, Emiko Todaka¹, Naoki Shimojo¹, Yoichi Kohno¹

¹Japan

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Sick building syndrome and total volatile organic compounds

Emiko Todaka¹, Hiroko Nakaoka¹, Masamichi Hanazato¹, Hiroshi Seto¹, Chisato Mori¹

¹Japan

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Iwa Lee¹, Per Eriksson¹, Henrik Viberg¹

¹Sweden

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PBDEs AND THEIR EFFECT ON PROTEIN OXIDATION IN WILD CARP LIVER FROM BUYUK MENDERES RIVER

rasih kocagöz¹, hilmi orhan¹

¹Turkey

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CORRELATION OF VITELLOGENIN WITH HALOGENATED ORGANIC POLLUTANTS IN WILD CARP LIVER

Nilüfer Senduran¹, Rasih Kocagöz¹, Beste Çagdas¹, Hilmi Orhan¹

¹Turkey

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Comparison of ractopamine accumulation in tissues on days after treatment

Jelka Pleadin¹, Ana Vulic¹, Nina Perai¹, Svjetlana Terzic¹, Miroslav Andriacic¹, Irena Jarkovic¹, Ksenija `andor¹, Eleonora Perak¹

¹Croatia

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Geldanamycin moderates nivalenol-induced changes in cytokine secretion in HL60 cells

Hitoshi Nagashima¹, Masayo Kushiro¹, Hiroyuki Nakagawa¹

¹Japan

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Toxicological Properties of Methyleugenol and Methylisoeugenol Metabolites

Alexander Thomas Cartus¹, Kristin Herrmann¹, Isabel Groh¹, Lucas Willi Weishaupt¹, Karl-Heinz Merz¹, Wolfram Engst¹, Hansruedi Glatt¹, Melanie Esselen¹, Dieter Schrenk¹

¹Germany

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Monitoring organochlorine metabolites in dietary milk and estimation of hazard index values.

Ioannis Tsakiris¹, Chrysoula Dionysopoulou¹, Manolis Tzatzarakis¹, Athanasios Alegakis¹, Manolis Kokkinakis¹, Eleutheria Theodoropoulou¹, Paraskevi Mitlianga¹, Jyrki Liesivuori², Aristidis Tsatsakis¹

¹Greece, ²Finland

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Occurrence of Ochratoxin A in wheat flour factories in Ahvaz city, Iran

Zahra Nazari Khorasgani¹, Abdolazim Behfar¹, Reza Hydari¹

¹Iran

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Composition and Antimicrobial Activity of Thymus fallax to Foodborne Microorganisms

 Miyase Odabasi¹, Yavuz Beyatli¹
¹Turkey

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Determination of patulin in apple juice by GC-MS/MS: stability study during storage.

 Houda Berrada¹, Elna Buys², Jordi Mañes¹, Guillermina Font¹
¹Spain, ²South Africa

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Occurrence and risk assessment of emerging mycotoxins in nuts and dried fruits

 Guillermina Font¹, Josefa Tolosa¹, Ana Belén Serrano¹, Emilia Ferrer¹
¹Spain

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Survey of 50 multiclass pesticide residues in bee products

 Houda Berrada¹, Molto Juan Carlos¹, Mañes Jordi¹, Font Guillermina¹
¹Spain

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Protection against health hazards of multi-mycotoxins

 Mosaad Abdel-Wahhab¹, Mohamed Ibrahim¹, Ahmed Ibrahim¹, Aziza El-Nekeety¹, Nabila Hassan¹, Amira Mohamed¹
¹Egypt

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Detoxification of Fumonisin by Isothiocyanates

 Guillermina Font¹, Ines Azaiez¹, Meca Giuseppe¹, Fernández-Franzón Mónica¹
¹Spain

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Analysis of trichothecenes in infant cereals from Spanish markets

 Guillermina Font¹, Hui Lu¹, Maria José Ruiz¹, Mónica Fernández-Franzón¹
¹Spain

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Comparison lithium concentration in water of Ahvaz city, Iran

 Abdolazim Behfar¹, Zahra Nazari Khorasgani¹, Ahmadzeza Barzan¹, Gholamreza Reissi¹, Maysam Sheikhzadeh¹
¹Iran

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Assessment of heavy metals concentrations in imported raw sugar at Ahvaz markets, Iran

Rezvan Ebrahimi¹, zahra Nazari Khorasgani¹, Abdolazim Behfar¹, Azam Hossieni¹

¹Iran

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High coffee consumption associated with reduced bone mineral density in a large cohort

Helena Hallström¹, Alicja Wolk¹, Anders Glynn¹, Eva Warensjö¹, Liisa Byberg¹, Karl Michaëlsson¹

¹Sweden

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Oleic acid decrease BCRP mediated efflux of mitoxantrone in Caco-2 cells and in mice.

Bitte Aspenström-Fagerlund¹, Elvy Netzel¹, Jonas Tallkvist¹, Nils-Gunnar Ilbäck¹, Anders Glynn¹

¹Sweden

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Demonstration of the safety of a fermented food containing new probiotic strains

Stephanie JEANSEN¹, Isabelle CHAMBAUD¹, Anissa ELFAKIR¹, Sarah VAUDAINÉ¹, Juergen SCHREZENMEIR², Philippe MARTEAU², Pierre BOURLIOUX²

¹France, ²

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CIRCULATING LEVELS OF ENVIRONMENTAL CONTAMINANTS ARE ASSOCIATED WITH DIETARY PATTERN

Lars Lind¹, Erika Ax¹, Samira Salihovic¹, P.Monica Lind¹, Bert van Bavel¹, Erik Lampa¹, Per Sjögren¹

¹Sweden

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Screening of synthetic acaricides residues in honey

Adriana Belas¹, Belmira Carrapiço¹, Yolanda Vaz¹, Berta São Braz¹

¹Portugal

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SPECTROSCOPIC STUDIES ON THE INTERACTION OF ASPARTAME WITH CALF THYMUS DNA

Fahimeh Kheiridoosh¹, Soheila Kashanian¹

¹Iran

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Protective effect of selected plant compounds on DNA damage induced by PAHs' ingestion

Konrad Ryzdyski¹, Jolanta Gromadzinska¹, Albrecht Seidel², Dan Segerback³, Robert Nilsson³

¹Poland, ²Germany, ³Sweden

P13: In vitro toxicology

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A new skin penetration system containing an automated toxicokinetic modul

Daniela Gerstel¹, Nora Metke¹, Stefanie Mueller¹, Mehdi Akhiani¹, Claus-Dieter Wacker¹, Horst Wenck¹, Andreas Schepky¹

¹Germany

P13-02

Human breast stem cells as a toxicological model for endocrine disruptors, such as soy isoflavones

Maja Bumke Scheer¹, Sandra Stempin¹, CC Chang², James Trosko², Alfonso Lampen¹

¹Germany, ²United States

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The influence of chromium and iron interactions on cell viability

Sylwia Terpilowska¹, Anrdzej Siwicki¹

¹Poland

P13-04

Effects of Caffeic acid phenethyl ester on rat brain isolated mitochondria

Nádia M. Martins¹, Roberto B. Silva¹, Danilo A.S. Ferreira¹, Neife A.G. Santos¹, Antonio C. Santos¹

¹Brazil

P13-05

Expression of asthma related genes in A549 cells exposed to toluene diisocyanate

Balam Munoz-Soto¹, Araceli Posadas-Mondragon¹, Carla Angulo-Rojo¹, Celene Razo-Estrada¹, Leticia Ramirez¹, Pablo Morales-Rico¹, Arnulfo Albores¹

¹Mexico

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The skin penetration of organophosphorous compounds through the epidermal membrane

Bo Koch¹, Lars Rittfeldt¹, Mona Koch¹, Anders Bucht¹

¹Sweden

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Studies on cytotoxicity and genotoxicity in CHL cells cultured on MPC polymers

Atsuko Miyajima-Tabata¹, Keiko Sakai¹, Reiko Kato¹, Atsuko Matsuoka¹

¹Japan

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Comparative assessment of polychlorinated biphenyls' toxic potential in ovary cells

Ivana Kmetić¹, Anamaria Brozović¹, Teuta Murati¹, Jasna Kniewald¹, Branimir Simić¹

¹Croatia

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Utilising chemiluminescent methods for animal-free toxicology tests

Ceri A. Morris¹, Gamal El-Hiti¹, Ian Weeks¹, Stuart Woodhead¹, Keith Smith¹, Peter Kille¹
¹United Kingdom

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In vitro evaluation of the hepatotoxic potential of piperazine designer drugs

Marcelo Arbo¹, Maria de Lourdes Bastos¹, Helena Carmo¹
¹Portugal

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Genotoxicity and cytotoxicity of hexachlorobenzene in human intestinal Caco-2 cells

HELA CHALOUATI¹, Laurence Payrastra², Moncef Ben SAAD¹
¹Tunisia, ²France

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In vitro test battery to predict skin sensitizers based on key events of sensitization

Tzutzy Ramirez¹, Caroline Bauch¹, Tobias Eltze¹, Susanne N. Kolle¹, Annette Mehling¹, Bennard van Ravenzwaay¹, Robert Landsiedel¹
¹Germany

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CHLORPYRIFOS AND METABOLITES ALTER DIFFERENTIATION AT NON-CYTOTOXIC CONCENTRATIONS

Miguel A Sogorb¹, Carmen Estevan¹, Andrea C Romero¹, David Pamies¹, Eugenio Vilanova¹
¹Spain

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Fluorescent probes on HepG2 cells treated with emergent Fusarium mycotoxins

Guillermina Font¹, Ana Juan-Garcia¹, M^o José Ruiz¹
¹Spain

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Oleuropein protects HepG2 cells against oxidative stress-induced DNA damage

Agathi Charistou¹, Katerina Kyriakopoulou², Efrosini Katsanou², Kyriaki Machera²
¹, ²Greece

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David Pamies¹, Miguel Angel Sogorb¹, Eugenio Vilanova¹, Marco Fabbri², Gribaldo Laura², Georgina Harris², Bibiana Scelfo², Anna Price²
¹Spain, ²Italy

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Vânia Vilas-Boas¹, Renata Silva¹, Fernando Remião¹

¹Portugal

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Anne Milcamps¹, Gilles Bories¹, Juan Casado Poblador¹, Jean Michel Gineste¹, Elise Grignard¹, Roman Liska¹, Luis Saavedra¹, Maurice Whelan¹

¹Italy

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Sibel Ozden¹, Goksun Demirel¹, Buket Alpertunga¹

¹Turkey

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Christina Björklund¹, Kenneth Stockling¹, Vesa-Matti Loitto¹

¹Sweden

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Gibaeg Nam¹, Sun-A Cho¹, Jun-Cheol Cho¹, Kyeho Shin¹

¹Republic Of Korea

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Anton Wessels¹, Paul Daly¹, Graham Somers¹, Vicki Stone¹, Gary Hutchison¹, Dave Hassall¹

¹United Kingdom

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Ernesto Alfaro-Moreno¹, Blanca Eunice González-Gómez¹, Pilar Ramos-Godinez¹, Angélica Montiel-Dávalos¹, Elba Reyes-Maldonado¹, Rebeca López-Marure¹

¹Mexico

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Risk assessment of the in vitro skin irritation of pesticides using the human skin model.

Mi-Kyeong Kim¹, Mihye Jeong¹, Are-Sun You¹, Soon-Sung Hong¹, Soo-Jin Park¹, Kyung-Hun Park¹, Jae-Eup Park¹

¹Republic Of Korea

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Mechanism of Alternariol-induced mitochondrial apoptosis in vitro

Fatma BENSASSI¹, Cindy Gallerne², Ossama Sharaf El Dein², Mohamed Rabeh Hajlaoui¹, Christophe Lemaire², Hassen Bacha¹

¹Tunisia, ²France

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The optimization of irritation test with new reconstructed human epidermis, Keraskin

Won-hee Jang¹, Jung Kyoung-Mi¹, Lee Su-Hyon¹, Lim Kyung-Min¹

¹Republic Of Korea

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Development of a new reconstituted human cornea model to assess the eye irritation

SU HYON LEE¹, BAE HWAN KIM¹, KYOUNG MI JUNG¹

¹Republic Of Korea

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Integrating toxicokinetics improves predictive value of primary rat hepatocytes

Germaine L. Truisi¹, Stefan O. Mueller¹, Philip G. Hewitt¹

¹Germany

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Nuno G. Oliveira¹, Inês Magro¹, Ana S. Fernandes¹, Joana P. Miranda¹, Patrícia S. Guerreiro¹, Matilde Castro¹

¹Portugal

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Pierre-Jacques FERRET¹, Marie-Pierre GOMEZ-BERRADA¹, Arnaud DEGOUY¹, Carole BERGE¹

¹France

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Helena Kandarova¹, Yulia Kaluzhny², Joseph Kubilus², Patrick Hayden², John Sheasgreen², Mitchell Klausner²

¹Slovakia, ²United States

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In Vitro EpiDerm Phototoxicity Assay for Systemically Administered Pharmaceuticals

Helena Kandarova¹, Yulia Kaluzhny², Laurence d'Argembeau-Thornton², M.W. Kinuthia², Helena Kandarova², Mitchell Klausner²

¹Slovakia, ²United States

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Helena Kandarova¹, Yulia Kaluzhny², Laurence d'Argembeau-Thornton², Patrick Hayden², Mitchell Klausner²

¹Slovakia, ²United States

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Helena Kandarova¹, P.J. Hayden², G.R. Jackson², P. Lei², J. Bolmarcich², J. Oldach², A. Armento², S. Andreadis², M. Klausner²

¹Slovakia, ²United States

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Irene Edebert¹, Lina Löfstedt¹, Ingali Rafter¹, Ian Cotgreave¹, Alexandre Serov², Per Rigler², Rudolf Rigler²

¹Sweden, ²Switzerland

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E. Andres¹, V.M. Sá-Rocha², E.L. Roggen³, E. Corsini⁴, S. Gibbs⁵, A. Natsch⁶, C. Barrichello¹

¹France, ²Brazil, ³Denmark, ⁴Italy, ⁵Netherlands, ⁶Switzerland

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Improved procedures for in vitro skin irritation testing of natural botanicals

J. Molinari¹, E. Andres¹, C. Eskes², N. Remoué¹, V.M. Sá-Rocha³, S.P. Hurtado³, C. Barrichello¹

¹France, ²Switzerland, ³Brazil

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Anna Forsby¹, Kimberly Norman², Johanna EL Andaloussi-Lilja¹, Jessica Lundqvist¹, Beata Wojcik², Vincent Walczak², Rodger Curren², Katharine Martin², Neena Tierney²

¹Sweden, ²United States

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Rico Funhoff¹, Natasa Zamurovic¹, Axel Vicart¹, Laure Bouchez¹, Hans Voshol¹, Bertran Gerrits¹, Gregory Guillemain¹, Laurent Morawiec¹, Jean-Philippe Gasser¹

¹Switzerland

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The role of Bax in carvedilol protection against cisplatin nephrotoxicity

Maria Augusta Carvalho Rodrigues¹, Marcia Cristina Faria Faria¹, Neife Apaecida Guinaim do Santos¹, Glenda Gobe², Antonio Cardozo dos Santos¹

¹Brazil, ²Australia

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Inflammatory markers in rats treated with N-alkyl-propane-1,3-diamine

Moung Sook Lee¹, Reinhard Kreiling¹

¹Germany

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Alexander Svanhagen¹, Anita Annas¹, Dennis Hellgren¹, Sievert Bjurström¹, Håkan Andersson¹, Johan Bylund¹, Benita Forngren¹, Johan Lindberg¹, Rolf Johansson¹

¹Sweden

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The role of metabolism in Diclofenac-induced intestinal toxicity in human in vitro

Xiaoyu Niu¹, Miriam Langelaar¹, Inge de Graaf¹, Geny Groothuis¹

¹Netherlands

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The effect of Benzo(±)pyrene on the signalling of Ah Receptor and NFAT in A549 cells

Ghahremani Mohammad¹, Malihe Parsa¹, Seyed Nasser Ostad¹, SeyeMohammad Hossein Noori Moogahi¹

¹Iran

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DNA DAMAGE AND INFLAMMATION INDUCED BY WOOD SMOKE PM2.5 IN HUMAN CELLS

Corrado L Galli¹, Laura Marabini¹, Silvia Budello¹, Andrea Piazzalunga¹, Marina Marinovich¹, Emanuela Corsini¹

¹Italy

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BENZO[A]PYRENE SENSITIZES MCF7 BREAST CANCER CELLS TO INDUCTION OF APOPTOSIS AND G1 ARREST BY THE NATURAL FLAVONOID EUPATORIN-5-METHYL ETHER, VIA ACTIVATION OF CELL SIGNALING PROTEINS AND CYP1-MEDIATED METABOLISM.

Vasilis Androutsopoulos¹, Eleni Koutala¹, George Dolapsakis¹, Leda Kovatsi¹, Alexandros Zafeiropoulos¹, Demetrios Kouretas¹, Jurki Liesivuori², Demetrios Spandidos¹, Aristidis Tsatsakis¹

¹Greece, ²Finland

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 Amy Zmarowski¹, Manon Beekhuijzen¹, Marleen Teunissen¹, Harry Emmen¹
¹Netherlands

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 Carolin Pfenning¹, Leane Lehmann¹
¹Germany

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 Franziska Kolrep¹, Stefanie Hessel¹, Anke Ehlers¹, Alfonso Lampen¹
¹Germany

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 Emma Vincent¹, Johanna Bengtsson¹, Afshin Mohammadi Bardbori¹, Tomas Alsberg¹, Ulf Rannug¹, Agneta Rannug¹
¹Sweden

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 Félix Carvalho¹, Maria João Valente¹, Rui Henrique¹, Vânia Vilas Boas¹, Renata Silva¹, Maria Lourdes Bastos¹, Paula Guedes de Pinho¹, Márcia Carvalho¹
¹Portugal

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 Johanna Bengtsson¹, Emma wincent¹, Agneta Rannug¹, Ulf Rannug¹
¹Sweden

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 Jessica Legradi¹, Peter Cenijn¹, Ralph Carvalho¹, Anna-Karin Dahlberg², Lillemor Asplund², Ake Bergman², Juliette Legler¹
¹Netherlands, ²Sweden

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 Maria Luisa Mateus¹, Adriana Sofia Silva¹, Maria Edite Torres¹, Maria Camila Batoréu¹
¹Portugal

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GABA-A receptor: a novel mode of action of drugs of abuse

Laura Hondebrink¹, Gina van Kleef¹, Martin van den Berg¹, Jan Meulenbelt¹, Remco Westerink¹
¹Netherlands

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A Role for Testosterone in the Toxicity of Ochratoxin A in Male Rats

Firdevs MOR¹, Mehmet A. KILIC¹, Ozlem OZMEN¹, Ilknur EKER¹, Mesut YILMAZ¹, Kemal URAN¹, Peter G. MANTLE²
¹Turkey, ²United Kingdom

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Alternariol-induced ROS causes DNA damage and accumulation in the G2/M transition

Anita Solhaug¹, Jørn A Holme¹, Laura L Vines², Bjørn Spilsberg¹, Jim J Pestka², Kaisa Haglund¹, Beatrice Dendele³, Dominique Lagadic-Gossmann³, Gunnar S Eriksen¹
¹Norway, ²United States, ³France

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Cornelia Fuerstenberger¹, Anna Vuorinen², Thierry Da Cunha¹, Denise V. Kratschmar¹, Martial Saugy¹, Daniela Schuster², Alex Odermatt¹
¹Switzerland, ²Austria

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Arne Meyer¹, Alex Odermatt¹
¹Switzerland

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Cristina Carvalho¹, Vasco Branco¹, Paula Ramos¹, João Canário¹, Jun Lu², Arne Holmgren²
¹Portugal, ²Sweden

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Mercury and Selenium effects on HepG2 cells: TrxR activity and expression levels

Cristina Carvalho¹, Vasco Branco¹, João Canário¹, João Gonçalves¹, Jun Lu², Arne Holmgren²
¹Portugal, ²Sweden

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Tobias Noeske¹, Ola Engkvist¹, Scott Boyer¹
¹Sweden

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abdel-Ilah El Amrani¹, Anne-Marie Bétat¹, Stéphane Lorient¹, Jean-jacques Legrand¹, Roy Forster¹
¹France

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Didima De Groot¹, Roderick Slieker¹, Pascalle Van Loo¹, Elwin Verheij¹, Helle Lorentsen², Morton Laursen², Michael Markert³, Fabien Masse¹, Frank Bouwens¹
¹Netherlands, ²Denmark, ³Germany

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Paula Viapiana¹, Laura Diaz Falconi¹, Nelly Manay¹
¹Uruguay

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Karolina Lyubomirova¹, Nevena Tzacheva¹, Sofia Evstatieva¹, Yanka Prodanova¹
¹Bulgaria

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Sylvaine Ronga-Pezeret¹, Camille Payre², Corinne Mandin¹, Nathalie Bonvallot¹, Marie Fiori¹, Jacques Lambrozo¹, Philippe Glorennec³
¹France, ²Germany, ³

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Knut Helkås Dahl¹, Laila Helgesen¹
¹Norway

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Masato Naya¹, Norihiro Kobayashi¹, Makoto Ema¹, Jin Tanaka¹, Masahito Fukumuro¹, Kazushige Hasegawa¹, Madoka Nakajima¹, Makoto Hayashi¹, Junko Nakanishi¹
¹Japan

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Makoto Ema¹, Masato Naya¹, Norihiro Kobayashi¹, Kazumasa Honda¹, Tadashi Imamura¹, Hiroshi Suzuki¹, Junko Nakanishi¹
¹Japan

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Risk assessment for dioxins in France based on a dynamic modeling of exposure

Camille Béchaux¹, Mathilde Merlo¹, Bas Bokkers², Marco Zeilmaker², Amélie Crépet¹

¹France, ²Netherlands

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Relevant children exposure routes and exposure factors : example of diet intake rate

Sylvaine MAURAU¹, Johan BIERKENS², Veronique VERRIER¹

¹France, ²Belgium

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Risk assessment of non-dioxin-like PCB 180 and PCB 52 present in food

Merja Korkalainen¹, Helen Håkansson², Matti Viluksela¹

¹Finland, ²Sweden

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A text mining approach for chemical cancer research and risk assessment

Ilona Silins¹, Anna Korhonen², Lin Sun², Johan Högberg¹, Ulla Stenius¹

¹Sweden, ²United Kingdom

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Maria Wennberg¹, Ulf Strömberg¹, Ingvar Bergdahl¹, Jan-Håkan Jansson¹, Jussi Kauhanen², Margareta Norberg¹, Jukka Salonen², Staffan Skerfving¹, Tomi-Pekka Tuomainen², Bengt Vessby¹, Jyrki Virtanen²

¹Sweden, ²Finland

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Michèle BISSON¹, Stéphanie VIVIER¹, Cléo TEBBY¹, Dodzi KLOUSSEH¹, Adrien TROISE¹, Jean Martin VINCENT¹, Sandrine ANDRES¹

¹France

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Relevance of in-vitro studies for in-vivo inhalation toxicity of 316L powder

Yolanda Hedberg¹, Helene Helene Stockmann-Juvala², Antti Zitting², Tiina Santonen², Inger Odnevall Wallinder¹

¹Sweden, ²Finland

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How are asthmatics considered in the derivation of emergency guideline values?

Mia Johansson¹, Gunnar Johanson¹, Mattias Öberg¹

¹Sweden

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Dietary exposure of Greek consumers to pesticides by a nutrition based on Mediterranean diet.

Ioannis Tsakiris¹, Aikaterini Kokkinaki¹, Manolis Tzatzarakis¹, Athanasios Alegakis¹, Manolis Kokkinakis¹, Persefoni Fragkiadaki¹, Dionysios Vynias¹, Paraskevi Mitlianga¹, Aristidis Tsatsakis¹

¹Greece

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Morgane BACHELOT¹, Nathalie ARNICH¹, Thomas CARTIER¹, Michel JOYEUX¹, 9 Members¹

¹France

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Mathieu Valcke¹

¹Canada

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Ah receptor activating capacity of polycyclic aromatic hydrocarbon derivatives

Maria Larsson¹, Dan Orbe¹, Magnus Engwall¹

¹Sweden

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Human risk assessment of single exposure in chemical incidents

Peter Bos¹, Marc Ruijten¹, Sarah Bull², Elsa Nielsen³, Ursula Gundert-Remy⁴, Maureen Wood⁵, Jean-Martin Vincent⁶, Tiina Santonen⁷, Per Leffler⁸

¹Netherlands, ²United Kingdom, ³Denmark, ⁴Germany, ⁵Italy, ⁶France, ⁷Finland, ⁸Sweden

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Marco Zeilmaker¹, Jan Van Eijkeren¹, Wout Slob¹, Sieto Bosgra¹, Peter Bos¹

¹Netherlands

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Assessment of benzo(a)pyrene (a tobacco smoke toxicant), as a driver of genotoxicity

Fiona H Cunningham¹, Stacy Fiebelkorn¹, Debbie Dillon¹, Clive Meredith¹

¹United Kingdom

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Chronic Pesticide Exposure – The Attempt to Quantify the Neurobehavioral Impact

Monika Meyer-Baron¹, Michael Schäper¹, Christoph van Thriel¹

¹Germany

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Risk assessment of parabens in child care products

Nicoleta Carmen Purdel¹, Annika Hanberg², Johanna Zilliacus²

¹Romania, ²Sweden

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Factors influencing developmental neurotoxicity study outcome in the bisphenol A case

Anna Beronius¹, Egon Willighagen², Christina Rudén¹, Annika Hanberg¹

¹Sweden, ²Netherlands

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Setting Occupational Exposure Limits: Practices and Outcomes

Linda Schenk¹

¹Sweden

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Development of a new exposure assessment tool within the FP7 BROWSE project

Agathi Charistou¹, Kyriaki Machera¹, Niki Arapaki¹, Rianda Gerritsen-Ebben², Henk Goede², Jody Schinkel², Suzanne Spaan², Richard Glass³, Andy Hart³, Marc Kennedy⁴

¹Greece, ²Netherlands, ³United Kingdom, ⁴

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Mykola Prodanchuk¹, Igor Leposhkin¹, Nadii Nedopytanska¹, Alexandr Kravchuk¹, Alla Grynko¹

¹Ukraine

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Endpoints and dose-response relationships of low-dose studies of Bisphenol A

Linda Molander¹, Anna Beronius¹, Annika Hanberg¹, Christina Rudén¹

¹Sweden

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Making Safety Decisions Based on Changes in Toxicity Pathways: A Case Study

Matthew Dent¹, Jay Ingram¹, Yeyejide Adeleye¹, Paul Carmichael¹, Rebecca Clewell², Michael Davies¹, Sophie Malcomber¹, Andrew Scott¹, Andrew White¹, Qiang Zhang², Melvin Andersen²

¹United Kingdom, ²United States

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Retrospective exposure data for family products: an analysis of 52 clinical studies

Pierre-Jacques FERRET¹, Marie-Pierre GOMEZ-BERRADA¹

¹France

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Safety evaluation of cosmetic products dedicated to children under 3 years old

Pierre-Jacques FERRET¹, Marie-Pierre GOMEZ-BERRADA¹, Maude GALONNIER¹

¹France

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Assessment of the diabetogenic effects of arsenic

Emese Sipter¹, Helen Hakansson², Karoly Cseh¹, Gyula Mucsi¹, Mihaly Kadar¹, Gyula Dura¹, Annika Hanberg²

¹Hungary, ²Sweden

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Ziram induces apoptosis in human natural killer cells

Qing Li¹, Maiko Kobayashi¹, Tomoyuki Kawada¹

¹Japan

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Effects of nanoparticles of titanium dioxide on the immune response to virus infection

Wataru Watanabe¹, Hiroki Yoshida¹, Akihiko Hirose¹, Katsuhiko Konno¹, Masahiko Kurokawa¹

¹Japan

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ESTABLISHMENT OF AN IN VITRO PHOTOALLERGEN TEST USING NCTC2544 CELLS AND IL-18

Valentina Galbiati¹, Sara Bianchi¹, Veronica Martinez², Montserrat Mitjans², Emanuela Corsini²

¹Italy, ²Spain

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Investigation of sensitizing potency of some cosmetic mixtures

Ozge Cemiloglu Ulker¹, Ilker Ates¹, Aysegul Atak¹, Asuman Karakaya¹

¹Turkey

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EFFECT OF ADMINISTRATION OF SAFRANAL ON PREVENTION OF EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS (EAE)

Azam Bakhtiarian¹, Fatemeh Ghasemi-Sakha¹, Keyvan Keramati¹, Seyyed-Mohammad Moazzeni¹, Mohammad-Mehdi Eftekharian¹, Vahid Nikoui¹

¹Iran

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Establishment of Humanized Mouse-models to Investigate Induction of DILI

Hanna Lundgren¹, Klara Martinsson¹, Frank Seeliger¹, Anna-Lena Berg¹, Jonas P Bergström¹, Anahi Santoyo Castelazo², Johan Jirholt¹, Karin Cederbrant¹

¹Sweden, ²United Kingdom

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Mycotoxin-induced cell death and inflammatory responses in macrophages

Jørn A. Holme¹, Anders Gammelsrud¹, Beatrice Dendelé², Wiggo Sandberg¹, Dominique Lagadic-Gossmann², Magne Refsnes¹, Rune Becher¹, Gunnar Eriksen¹, Anita Solhaug¹

¹Norway, ²France

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Identification of Novel Biomarkers of Mercury-Induced Immune Dysregulation

Jennifer Nyland¹, Jonathan Motts¹, Renee Gardner², Ellen Silbergeld¹

¹United States, ²Sweden

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Increased Liver Somatic Index and plasma Apo A-I levels in Rats exposed to Bisphenol A.

Helen Karlsson¹, Monika Rönn¹, Stefan Ljunggren¹, Lars Lind¹, PM Lind¹

¹Sweden

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Comparative immunotoxicity study of single-walled carbon nanotubes

Soyoung Lee¹, Sang-Hyun Kim¹

¹Republic Of Korea

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Predicting sensitization via in silico and in chemico assessment of protein binding

Wera Teubner¹, Susanne Kolle², Tzutzuy Ramirez², Britta Wareing², Annette Mehling², Bennard van Ravenzwaay², Robert Landsiedel²

¹Switzerland, ²Germany

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Influence of TNF- α and PPD on N-Acetyltransferase 1 in keratinocytes and monocytes

Jutta Bonifas¹, Jutta Bonifas¹, Simone Scheitza¹, Brunhilde Blömeke¹

¹Germany

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Ammonium hexachloroplatinate (AHCP) exposure results in a Thelper (Th)2 profile

 Rebecca Dearman¹, Ian Kimber¹
¹United Kingdom

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Innate and adaptive interleukin17 expression induced by chemical allergens

 Rebecca Dearman¹, Mark Hayes¹, Ian Kimber¹
¹United Kingdom

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Development and application of a species-specific anti-KLH ELISA in Beagle dogs

 Jean-Jacques Legrand¹, Caroline Bouchez¹, Jean-Paul Freche¹, Armelle N'Guyen¹, Johanne Bouchard¹, Thibault Ameller¹, Jacques Descotes¹
¹France

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Lymphocyte subset analysis by flow cytometry in Beagle dogs

 Jean-Jacques Legrand¹, Cecile Mimouni¹, Caroline Bouchez¹, Jacques Descotes¹
¹France

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Impact of N-Acetyltransferase 1 on sensitizing potential of para-phenylenediamine

 Jutta Bonifas¹, Simone Scheitza¹, Jenny Hennen¹, Dorothea Dierolf¹, Brunhilde Blömeke¹
¹Germany

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Organophosphate-induced neuropathy and its experimental correction

 Peter Zhminko¹, Natali Kokshareva¹
¹Ukraine

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USE OF TDAR (SRBC) IMMUNOTOXICITY MONITORING IN RODENT TOXICITY TESTING

 Judit Hargitai¹, David Esdaile¹, Raluca Kubaszku¹
¹Hungary

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Triphenyltin promotes thymic aging via PPARgamma signaling pathway

 Tsuyoshi Nakanishi¹, Noriyuki Sakai¹, Ryo Kobayashi¹, Jodai Daichi¹, Youhei Hiromori¹, Hisamitsu Nagase¹
¹Japan

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Use of in vitro assays for the prediction of the skin sensitizing potential of chemicals.

Pierre-Jacques FERRET¹, Marie-Pierre GOMEZ-BERRADA¹, Carole BERGE¹

¹France

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Human dendritic cell based model (DC-100) for immunotoxicity studies

Silvia Letasiova¹, Amy Hunter², Maureen Spratt², Alex Armento², Mitchell Klausner², Seyoum Ayehunie²

¹Slovakia, ²United States

P21: Metabolism and kinetics

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INHIBITION OF HEPATIC MIXED FUNCTION OXIDASE SYSTEM BY NATAMYCIN.

Arturo Anadon¹, Maria A. Martinez¹, Victor Castellano¹, Marta Martinez¹, Alejandro Romero¹, Irma Ares¹, Eva Ramos¹, Maria R. Martinez-Larrañaga¹

¹Spain

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Toxicokinetics in humans of hydrofluorocarbons (HFCs) used as refrigerants

Lena Ernstgård¹, Bengt Sjögren¹, Gunnar Johanson¹

¹Sweden

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Physiologically based biokinetic modeling of safrole in humans as compared with rats

Erryana Martati¹, Marelle Boersma¹, Albertus Spenkelink¹, Dambar Khadka¹, Peter van Bladeren¹, Ivonne Rietjens¹, Ans Punt¹

¹Netherlands

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Detoxification of the ultimate carcinogen of benzo[a]pyrene in human Caco-2 cells

Stefanie Hessel¹, Andrea John¹, Albrecht Seidel¹, Alfonso Lampen¹

¹Germany

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PBPK Model of Benzo(a)pyrene and its 3-Hydroxybenzo(a)pyrene Metabolite in Humans

Roberto Heredia Ortiz¹, Michele Bouchard¹

¹Canada

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Construction and characterization of stable transfected hepatocyte-like cells.

Zdenek Dvorak¹, Petr Pavek¹, Aneta Novotna¹

¹Czech Republic

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Early-life exposure to lithium and boron from drinking water.

Florencia Harari Freire¹, Ana María Ronco², Gabriela Concha¹, Miguel Llanos², Francisca Castro², Barbro Nermell¹, Margaretha Grandér¹, Brita Palm¹, Marie Vahter¹

¹Sweden, ²Chile

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Mercury-induced damage in liver, kidney and brain by the combination therapy.

Deepmala Joshi¹

¹India

P22-04

Age-dependent threshold of urinary cadmium for renal dysfunction in Japanese farmers

Hyogo Horiguchi¹, Etsuko Oguma¹, Katsuyuki Murata¹

¹Japan

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Dietary cadmium intake and urinary calculi incidence among men.

Laura Thomas¹, Carl-Gustaf Elinder¹, Alicja Wolk¹, Agneta Åkesson¹

¹Sweden

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Effect of oral and intraperitoneal Mg treatment on Cd kidney content in intoxicated rats

Aleksandra Buha¹, Zorica Bulat¹, Danijela Djukic-Cosic¹, Predrag Vukomanovic¹, Vesna Matovic¹

¹Serbia

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Mechanisms of Cu,Zn-SOD inhibition in tissues of mice exposed to acute Cd intoxication

Danijela Djukic-Cosic¹, Zorica Bulat¹, Aleksandra Buha¹, Milica Ninkovic¹, Živorad Malicevic¹, Vesna Matovic¹

¹Serbia

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Amelioration of lead toxicity from rat liver with artichoke leaf extract

Esfandiar Heidarian¹, Mahmoud Rafeian-Kopaei¹

¹Iran

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Effect of prolonged Zn+Cu+Mg treatment on Cd level in kidney of Cd-intoxicated rabbits

Zorica Bulat¹, Danijela Đukic-Cosic¹, Marijana Curcic¹, Aleksandra Buha¹, Petar Bulat¹, Vesna Matovic¹
¹Serbia

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Maternal cadmium exposure during pregnancy and fetal development

Maria Kippler¹, Fahmida Tofail², Yukiko Wagatsuma³, Renee Gardner¹, Jena Hamadani², Anisur Rahman², Marie Vahter¹
¹Sweden, ²Bangladesh, ³Japan

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Toxic metal and essential trace element levels of Turkish Blood donors

Tülin SOYLEMEZOGLU¹, Ismail AKINCI¹, Vugar ALIYEV¹, Zeliha KAYAALTI¹, Engin TUTKUN¹
¹Turkey

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Metals induce cytochrome P4501A1 through inhibition of metabolic degradation of FICZ

Afshin Mohammadi Bardbori¹, Emma Wincent¹, Ulf Rannug¹, Agneta Rannug¹
¹Sweden

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The Potential Health Risk of Arsenic Levels in Workers Exposed to Arsenic

Vugar ALIYEV¹, Dilek KAYA¹, Hinc YILMAZ¹, Tülin SOYLEMEZOGLU¹
¹Turkey

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Selective nitric oxide synthase inhibitor attenuated zinc-induced memory deficit

Mohammad Sharifzadeh¹, Kaveh Tabrizian¹, Kian Azami¹, Khosrou Abdi¹, Sheydai Najafi¹
¹Iran

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DMT1 Gene Polymorphism and Blood Pb and Fe Levels in Turkish Metallurgy Workers

Miyase Odabasi¹, Zeliha Kayaalti¹, Hinc Yilmaz¹, Ismail Kurt¹, Tulin Soylemezoğlu¹
¹Turkey

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Neurohepatic Toxicity of Manganese Exposure and Chemoprotective Effects of Lycopene

Yasser El-Sayed¹, Mohamed Lebda¹, Mahmoud El-Neweshy¹
¹Egypt

P22-18**Combined assessment of dietary and urinary cadmium in relation to bone effects**

Annette Engström¹, Karl Michaëlsson¹, Marie Vahter¹, Bettina Julin¹, Alicja Wolk¹, Agneta Åkesson¹
¹Sweden

P22-19**Evaluation of Some Chelating Agents Efficacy in Treatment of Lead Toxicity: Oxidative changes and residues**

Diefy Salem¹, Ahmed Sharkawy¹, Manal Sayed¹, Omar Shehata²
¹Egypt, ²

P22-20**Can umbilical cord be used as a predictor of prenatal exposure to heavy metals?**

MINESHI SAKAMOTO¹, JOSE DOMINGO², HING CHAN³, KATSUYUKI MURATA¹
¹Japan, ²Spain, ³Canada

P22-21**Biological half-life of blood cadmium level of inhabitants in cadmium-polluted area**

Yasushi Suwazono¹, Kazuhiro Nogawa¹, Teruhiko Kido¹, Muneko Nishijo¹, Yuko Morikawa¹, Ryumon Honda¹, Masao Ishizaki¹, Hideaki Nakagawa¹
¹Japan

P22-22**Change in tubular marker and calcium excretion after cadmium exposure**

Kazuhiro Nogawa¹, Yasushi Suwazono¹, Teruhiko Kido¹, Muneko Nishijo¹, Yuko Morikawa¹, Ryumon Honda¹, Masao Ishizaki¹, Hideaki Nakagawa¹
¹Japan

P22-23**Assessment of perinatal mercury exposure in coastal Croatia**

Jasna Jurasovic¹, Ankica Lulic¹, Veda Marija Varnai¹, Martina Piasek¹, Marijana Matek Saric¹
¹Croatia

P22-24**Levels of trace elements in tissues exposed to electromagnetic field**

ONUR ERDEM¹, Ayse G. CANSEVEN¹, Cemal AKAY¹, Ahmet AYDIN¹, Nesrin SEYHAN¹
¹Turkey

P22-25**Lead contamination in policemen shot by firearms**

Maria de Fátima Moreira¹, Marcio Soares Bezerra¹, Regina Aderne Gomes¹, Fernanda Baptista¹, Eduardo Borba Neves¹
¹Brazil

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Detection of gasoline and kerosene in all groups of specimens

Alaa Ali Hassan¹

¹Egypt

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Dynamic, label free test for in vitro cytotoxicity

Andrey Eskov¹, Rinat Kayumov¹, Anatoly Sokolov¹

¹Russian Federation

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A ternary toxicity study using microfluid segment technique

Jialan Cao¹, Dana Kürsten¹, Steffen Schneider¹, Andrea Knauer¹, Karin Martin¹, J. Michael Köhler¹

¹Germany

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Safety evaluation of ambulatory infusion in socialised cynomolgus monkeys

Jean-Paul Briffaux¹, Stéphane Baudet¹, François Bossu¹, Catherine Botteron¹, Nigel Pickersgill¹, Cécilia Gerhardy¹

¹France

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HAIR SAMPLES COCAINE AND MORPHINE QUANTIFICATION BY CHROMATOGRAPHY MASS SPECTROMETRY

Ricardo Dinis-Oliveira¹, Carla Gouveia¹, Ana Oliveira¹, Félix Carvalho¹, Roxana Falcão Moreira¹

¹Portugal

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TRAMADOL AND O-DESMETHYLTRAMADOL QUANTIFICATION IN HAIR SAMPLES BY GC-MS

Ricardo Dinis-Oliveira¹, Sandra Pinho¹, Ana Oliveira¹, Félix Carvalho¹, Roxana Falcão Moreira¹

¹Portugal

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Characterization of Crystalline Deposits in Rat Kidney using NMR, LC/MS and MALDI MSI

Alexander Svanhagen¹, Benita Forngren¹, Anna Nilsson¹, Sivert Bjurström¹, Håkan Andersson¹, Anita Annas¹, Dennis Hellgren¹, Per Andren¹, Johan Lindberg¹

¹Sweden

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Overcoming some challenges of the Local Lymph Node Assay (LLNA)

Katharina Lütkenhaus¹, Daniela Stelzer¹, Achim Albrecht¹

¹Germany

P23-10**The Cell Screening Facility at Science for Life Laboratory - Stockholm**Bo Lundgren¹, Ulf Martens¹, Maria Häggblad¹¹Sweden**P23-11****High dose β -cyclodextrin exposure via continuous or intermittent IV infusion in rats**Harmke van Vugt¹, Ankie Schoenmakers¹, Maud Wasserman¹, Bianca van Rozendaal¹, Harry Emmen¹¹Netherlands**P23-12****Spontaneous mutation frequency in normal human mammary gland tissue**Katja Schmalbach¹, Leane Lehmann¹¹Germany**P23-13****A GC/MS METHOD FOR MEASURING COCAINE METABOLISM IN HUMAN RENAL CELLS**Félix Carvalho¹, Paula Guedes de Pinho^{1, 2}, Maria João Valente¹, Maria de Lourdes Bastos¹¹Portugal, ²**P23-14****Nrf2 (SKN-1) signalling in cell culture models and *C. elegans***Susannah Havermann¹, Wim Wätjen¹¹Germany**P23-15****QUANTIFICATION OF MORPHINE AND METABOLITES IN ANTEMORTEM AND POSTMORTEM HUMAN SAMPLES**Ana Oliveira¹, Ricardo Jorge Dinis-Oliveira¹, Paula Guedes Pinho¹, Fernando Remião¹, Félix Carvalho¹, Rui Medeiros¹¹Portugal**P23-16****Detection of antibodies in serum of drug users after an abstinence period of opiates use.**Manolis Tzatzarakis¹, Vitalia Morozova², Elena Vakonaki¹, Svetlana Petrochenko², Marina Myagkova², Emmanouil Barbounis¹, Aikaterini Kanaki¹, Stamatis Belivanis¹, Aristidis Tsatsakis¹¹Greece, ²Russian Federation**P23-17****PLASMA MICROSAMPLING IN A 6-MONTH TOXICOLOGY MOUSE STUDY WITH NOVEL DESIGN**Birgitta Malmgren¹, Kristian Konigsson¹, Marie Eriksson¹, Susanne Bergh¹, Ove Jonsson¹¹Sweden

P23-18

Phenotype Classification of Zebrafish Embryos by Supervised Learning

Nathalie Jeanray¹, Raphaël Marée¹, Benoist Pruvot¹, Olivier Stern¹, Pierre Geurts¹, Louis Wehenkel¹, Marc Muller¹
¹Belgium

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Focused Expression Screening by TRAC in Predictive Toxicology

Jari Rautio¹, Oona Rechartt¹, Laura Mattinen¹, Hans Söderlund¹
¹Finland

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Does microsampling of blood influence hematology parameters in mice?

Anita Annas¹, Alaa Saad¹, Lena Paulsson¹, Gunnar Nordahl¹, Ove Jonsson¹, Kristian Königsson¹
¹Sweden

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Zebrafish (Danio rerio) behavioral analysis : a new tool in toxicological assays

Benoist PRUVOT¹, yobhana Quiroz¹, nathalie Jeanray¹, audrey Voncken¹, yoann Cure¹, marie Winandy¹, Marc Muller¹
¹Belgium

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Hematopoietic characterization of a non-rodent model for acute radiation syndrome

Roy Forster¹, Simon Authier², Mylène Pouliot², Alexis Ascah²
¹France, ²Canada

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The Evidence-Based Toxicology Collaboration

Sebastian Hoffmann¹, Martin Stephens², Thomas Hartung²
¹Germany, ²United States

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B cell and IL-2 as secondary endpoints for the detection of sensitizers in LLNA:BrdU-FCM

Kyoung-Mi Jung¹, Won-Hee Jang¹, Yong-Kyoung Lee¹, Young Na Yum¹, Soojung Sohn¹, Bae-Hwan Kim¹, Jin-Ho Chung¹, Young-Ho Park¹, Kyung-Min Lim¹
¹Republic Of Korea

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Capillary Microsampling of plasma in inhalation toxicology studies

Karin Svens¹, Lizette Granberg¹, Kristian Königsson¹, Veronika Lundbäck¹, Stina Gustafsson¹, Kristina Dunér², Ove Jonsson²
¹Sweden, ²

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Electrophysiology: A Powerful Tool in Toxicology

 Suhel Parvez¹
¹India

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IMAGING AND OMICS IN DEVELOPING AND JUVENILE RATS AFTER EXPOSURE TO TBTO

 Didima De Groot¹, Frieke Kuper¹, Marijana Radonjic¹, Rob Stierum¹, Arend Heerschap¹, Andor Veltien¹, Rudi Dierckx¹, Erik De Vries¹
¹Netherlands

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 Jenny Sandström von Tobel¹, Igor Charvet¹, Sabrina Pagano¹, Nicolas Vuilleumier¹, Luc Stoppini¹, Florianne Monnet-Tschudi¹
¹Switzerland

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A high throughput screening system for antifungal activity and environmental toxicity

 YOUNG-KEUN KWAK¹, CHANG-HWA JEONG², SEONG-MI KIM², INGER KUHN¹, PATRICIA COLQUE-NAVARRO¹, ROLAND MÖLLBY¹
¹Sweden, ²Republic Of Korea

P24: Mixtures
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 Ilay Al-Anati¹, Johan Högberg¹, Ulla Stenius¹
¹Sweden

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Urinary Porphyrins as Biomarkers of Neurotoxicity in rats exposed to a Mixture of Metals

 Maria Luísa Mateus¹, Vanda Andrade¹, Camila Batoréu¹, Paula Marreilha dos Santos¹
¹Portugal

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The impact of hyperthermia on the toxicity of amphetaminic mixtures

 Diana Dias-da-Silva¹, Helena Carmo¹, Elisabete Silva²
¹Portugal, ²United Kingdom

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Cumulative effects of three triazole fungicides in a broad dose range in vitro

Philip Marx-Stoelting¹, Svenja Rieke¹, Carsten Kneuer¹, Maja Bumke Scheer¹, Alfonso Lampen¹, Karen Hirsch-Ernst¹

¹Germany

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Steroid biosynthesis as a target for mixtures of endocrine disrupting compounds in food

Agneta Oskarsson¹, Åsa Ohlsson¹, Nina Cedergreen², Erik Ullerås¹

¹Sweden, ²Denmark

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Morphological and histological changes in kidneys induced by BDE209 and Cd

Marijana Curcic¹, Vesna Jacevic¹, Sasa Jankovic¹, Slavica Vucinic¹, Ksenija Durgo², Nevenka Kopjar², Biljana Antonijevic¹

¹Serbia, ²Croatia

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Effects of BDE209 and Cd mixture on liver in sub-acutely exposed rats

Marijana Curcic¹, Sanja Stankovic¹, Sasa Jankovic¹, Slavica Vucinic¹, Vesna Jacevic¹, Ksenija Durgo², Biljana Antonijevic¹

¹Serbia, ²Croatia

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Biological interactions in mixtures of chemical substances

Zdenek Fiala¹, Vladimir Krajak¹, Jan Kremlacek¹, Peter Bednarcik¹, Lenka Borska¹, Ondrej Fiala¹, Adolf Vyskocil², Francois Lemay², Tomas Borsky¹

¹Czech Republic, ²Canada

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Applicability of the GCA model for effect prediction of endocrine disrupters in mixture

Niels Hadrup¹, Camilla Taxvig¹, Ulla Hass¹, Anne Marie Vinggaard¹

¹Denmark

P24-11
Continuous exposure to low-dose of bisphenol A alone or in mixture alters adipogenesis

 SOFIANE BOUDALIA¹, Raymond BERGES¹, Franck MENETRIER¹, Cécile HELIES¹, Marie-Chantal CANIVENC-LAVIER¹
¹France

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Health risk assessment of 17 PFAS in the Swedish population

 Daniel Borg¹, Bert-Ove Lund¹, Nils-Gunnar Lindquist¹, Helen Håkansson¹
¹Sweden

P25: Omics
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BIOINFORMATICS-BASED CANCER RESEARCH HAVE WIDE TOXICOLOGICAL APPLICABILITY

 Roland C. Grafström¹, Rebecca Ceder¹, Bengt Fadeel¹, Karin Roberg¹, Egon Willighagen¹
¹Sweden

P25-02
The identification of hypothyroid effects of Amiodarone by metabolomics

 Bennard van Ravenzwaay¹, Eric Fabian¹, Michael Herold¹, Hennie Kamp¹, Ralf Looser¹, Werner Mellert¹, Volker Strauss¹, Tilmann Walk¹, Jan Wiemer¹
¹Germany

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Identification of liver toxicity by combining in vitro cell systems and metabolomics

 Tzutzuy Ramirez¹, Dörthe Ahlbory-Dieker¹, Elie Fux¹, Hennie Kamp¹, Tilmann Walk¹, Silvia Wagner¹, Ralf Looser¹, Bennard van Ravenzwaay¹
¹Germany

P25-04
Association of the Divalent metal transporter 1 gene polymorphism with Thalassaemia

 Zeliha KAYAALTI¹, Derya SOYLEMEZ¹, Tülin SOYLEMEZOGLU¹
¹Turkey

P25-05
Transcriptomic and functional alterations during renal epithelial maturation

 Lydia Aschauer¹, Leonhard N. Gruber¹, Alice Limonciel¹, Martin O. Leonhard², Walter Pfaller¹, Anja Wilmes¹, Paul Jennings¹
¹Austria, ²Ireland

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Sharing dose response data and analysis across the SEURAT-1 cluster

Egon Willighagen¹, Christoph Helma², Emilio Benfenati³, Nina Jeliaskova⁴, Jeff Wiseman², Roland Grafström⁵, Barry Hardy⁶, Glenn Myatt⁴, Glyn Stacey⁷

¹Sweden, ²Germany, ³Italy, ⁴United States, ⁵Finland, ⁶Switzerland, ⁷United Kingdom

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Oxidative modification leads to the left ventricular dysfunction in cardiomyopathy

Sahoko Ichihara¹, Jie Chang¹, Saeko Tada-Oikawa¹, Chisa Ando¹, Kentaro Kuzuya¹, Gaku Ichihara¹, Shinji Oikawa¹

¹Japan

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Protein changes in the nasal region of persulfate-challenged hairdressers

Harriet Mörtstedt¹, Monica H. Kåredal¹, Kerstin Kronholm Diab¹, Jørn Nielsen¹, Bo A.G. Jönsson¹, Christian H. Lindh¹

¹Sweden

P26: Oxidative stress

P26-01

CYTOPLASMIC AND NUCLEAR TOXICITY OF 3,5-DIMETHYLAMINOPHENOL

Pinar Erkekoglu¹, Ming-Wei Chao¹, Wenjie Ye¹, Laura Trudel¹, Belma Giray², Gerald Wogan¹, Steven R. Tannenbaum¹

¹United States, ²Turkey

P26-02

DI(2-ETHYLHEXYL)PHTHALATE-INDUCED RENAL OXIDATIVE STRESS AND SELENIUM STATUS

erkekoglu pinar¹, Belma Giray¹, Murat Kizilgün¹, Walid Rachidi², Isabelle Hininger-Favier², Anne-Marie Rousset², Alain Favier², Filiz Hincal¹

¹Turkey, ²France

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Neurotoxic similarity between kainate and cyanide

Hiro-aki Yamamoto¹

¹Japan

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Nrf2 inactivation aggravated nano-Ag induced G2/M cell arrest in HK-2 cells

Su Jin Kang¹, Young Joon Lee¹, Mi Kyoung Kwak¹

¹Republic Of Korea

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Attenuation of hyperoxic lung injury in newborn mice by β -naphthoflavone

 Xanthi Couroucli¹, Yanhong Liang¹, Lihua Wang¹, Weiwu Jiang¹, Bhagavatula Moorthy¹
¹United States

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Vitamins permitted in supplements differ in their abilities to affect DNA

 Therese Bergström¹, Clara Ersson¹, Jan Bergman¹, Lennart Möller¹
¹Sweden

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Studies of phytotoxicity of carbon-based nanoparticles on edible plants model

 refi ikhtiari¹, parvin begum¹, bunshi fugetsu¹
¹Japan

P26-08
OCHRATOXIN A INDUCED OXIDATIVE STRESS IN RAT LIVER

 Belma Giray¹, Saziye Sezin Palabiyik¹, Pinar Erkekoglu¹, N. Dilara Zeybek¹, Murat Kizilgun¹, Gonul Sahin¹
¹Turkey

P26-09
Histopathological findings, oxidative stress and ultrasound measurements in heart tissues after long term rabbits exposure to chlorpyrifos

 Persefoni Fragkiadaki¹, Ioannis Germanakis¹, Alexandros Zafeiropoulos¹, Aleka Kalogeraki¹, Konstantinos Tsarouchas¹, Christina Tsitsimpikou¹, George Dolapsakis¹, Aristidis Tsatsakis¹, Demetrios Kouretas¹
¹Greece

P26-10
ELECTROMAGNETIC TREATMENT OF CIGARETTES AND BIOMARKERS OF OXIDATIVE STRESS IN RATS

 Predrag Vukomanovic¹, Vesna Matovic¹, Zoran Radosavljevic¹, Natasa Radosavljevic¹, Aleksandra Buha¹, Milan Jokanovic¹
¹Serbia

P26-11
Effects of lycopene and silymarin on antioxidant status in rat liver

 Gözde Girgin¹, Terken Baydar¹, Aysun Kilic¹, Guldeniz Selmanoglu¹, Gönül Sahin¹
¹Turkey

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THE ROLE OF GLUTATHIONE REDUCTASE IN PARAQUAT NEUROTOXICITY

 Mirjana Djukic¹, Marina Jovanovic¹, Milica Ninkovic¹, Ivana Stevanovic¹
¹Serbia

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THE ROLE OF NMDA RECEPTORS IN PARAQUAT NEUROTOXICITY

Mirjana Djukic¹, Marina Jovanovic¹, Milica Ninkovic¹, Ivana Stevanovic¹
¹Serbia

P26-14

The effect of watercress on hepatic glutathione of intoxicated rats with acetaminophen

Alireza Ebadollahinatanz¹, Omid Sabzevari¹, Mohammad H. Ghahremani¹
¹Iran

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Evaluation of total antioxidant activity in two plant extracts from cruciferae family

Alireza Ebadollahinatanz¹, Zhaleh Shahbazi¹, Soghra Ghezelbash¹
¹Iran

P26-16

Effect of Anethum graveolens on hypelipidemia induced hepatotoxicity

Mahmoud Rafeian-kopaei¹, Mahbubeh Setorki¹, Esfandiar Heidarian¹, Najmeh Shahinfard¹, Roya Ansari¹
¹Iran

P26-17

Vanadium induces oxidative stress in isolated rat liver mitochondria

Mir-Jamal Hosseini¹, Jalal Pourahmad¹, Fatemeh Shaki¹, Mahmoud Ghazi-Khansari¹
¹Iran

P26-18

Cellular model to assay the lipid peroxidation process and its inhibition

Miriana Gubandru¹, Denisa Margina¹, Mihaela Ilie¹, Dan Balalau¹
¹Romania

P26-19

OXIDATIVE STRESS MARKERS AND THE DISEASE SCORE IN RHEUMATOID ARTHRITIS

Carolina Negrei¹, Andra Balanescu¹, Mihaela Ilie¹, Denisa Margina¹, Florian Bergea¹, Florica Nicolescu¹
¹Romania

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Substituted hexahydropyridoinoles - effective scavengers of free radicals

Mojmir Mach¹, Milan Stefek¹, Gregorz Bartosz², Maria Juskova¹, Ivana Milackova¹
¹Slovakia, ²Poland

P26-21
KBrO₃ induces oxidative stress and tight junction alterations in proximal tubule cells

Alice Limonciel¹, Anja Wilmes¹, Lydia Aschauer¹, Robert Radford², Katarzyna Bloch³, Craig Slattery², Edward Lock³, Michael P. Ryan², Paul Jennings¹

¹Austria, ²Ireland, ³United Kingdom

P26-22
NAC prevents high-P/Zn-free diet-induced peripheral nervous dysfunction

Sahoko Ichihara¹, Yuka Suzuki¹, Ai Kato¹, Takahiro Yamaguchi¹, Gaku Ichihara¹

¹Japan

P27: Pesticide toxicology
P27-01
Effects reported in farm workers repeatedly exposed to pesticides

Alaa Ali Hassan¹

¹Egypt

P27-02
Multiple myeloma and glyphosate use: a re-analysis of US Agricultural Health Study data

Tom Sorahan¹

¹United Kingdom

P27-03
Antidotal Effect of Dihydroxyacetone against Phosphine Poisoning In Vivo in Mice

Hossein Niknahad¹, Assieh Hashemi¹, Akram Jamshidzadeh¹

¹Iran

P27-04
Prediction of Eye Irritation Potential of Agrochemical Formulations

Susanne Kolle¹, Torsten Knieriem¹, Winfried Mayer¹, Andreas Buechse¹, Maria-Cecilia Rey Moreno¹, Andrew van Cott², Bennard van Ravenzwaay¹, Robert Landsiedel¹

¹Germany, ²United States

P27-05
PON1 and Paraoxonase and Acetylcholinesterase levels in Exposed to Organophosphate

Zeliha KAYAALTI¹, Seda ZENGİN SUNAY¹, Tülin BAYRAK¹, Tülin SOYLEMEZOĞLU¹

¹Turkey

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KNOWLEDGE of FARMERS ABOUT PESTICIDE MANAGEMENT PRACTICES in MERSIN REGION, TURKEY

Dilek Battal¹, Yasin Uyduran¹, Ebru Derici Eker¹, Sahan Saygi²

¹Turkey, ²Cyprus

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Quantitative and qualitative hair analysis and of Diazinon and its specific metabolite (IMPy) levels in exposed rabbits using LC-MS.

Georgios Maravgakis¹, Manolis Tzatzarakis¹, Elisavet Renieri¹, Matthaios Kavvalakis¹, Polychronis Stivaktakis¹, Athanasios Alegakis¹, Michalis Kiriakakis¹, Dionysios Vynias¹, Aristidis Tsatsakis¹

¹Greece

P27-08

A new, simple and efficient method for the detection and quantification of imidacloprid and its major metabolite 6-chloronicotinic acid in rabbit hair using LC-MS.

Matthaios Kavvalakis¹, Manolis Tzatzarakis¹, Michail Panagiotakis¹, Polychronis Stivaktakis¹, Georgios Maravgakis¹, Aikaterini Kokkinaki¹, Elisavet Renieri¹, Michalis Kiriakakis¹, Aristidis Tsatsakis¹

¹Greece

P27-09

KINETIC IDENTIFICATION OF ORGANOPHOSPHATE-SENSITIVE ESTERASES IN BRAIN MEMBRANE

Eugenio Vilanova¹, Iris Mangas¹, Jorge Estévez¹

¹Spain

P27-10

Dermal exposure to the fungicide tebuconazole during application in vineyards

Federico Rubino¹, Claudio Colosio¹, Lorenzo Fugnoli¹, Stephan Mandic-Rajcevic¹, Giorgio Vianello¹, Silvia Fustinoni¹, Elisa Polledri¹, Rosa Mercadante¹, Angelo Moretto¹

¹Italy

P27-11

Contribution of diet to the aggregate exposure to tebuconazole in vineyards

Moretto Angelo¹, Patrizia Riso¹, Antonella Brusamolino¹, Antonella Pettinelli¹, Loretta Gambelli¹, Marta Oggioni¹, Marisa Porrini¹, Aida Turrini¹

¹Italy

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DEMOGRAPHICS AND RISK OF OP PESTICIDE EXPOSURE IN PREGNANCY AND NEONATES IN SRI LANKA

Jacqueline M Anderson¹, Chathura Ratnayake², Lasantha S Rajapakse², Nicholas A Buckley¹

¹Australia, ²Sri Lanka

P27-13**ACUTE ORGANOPHOSPHORUS POISONING IN HUMANS: A PK MODEL FOR CHLORPYRIFOS**

Jacqueline M Anderson¹, Klas J Petersson², Lena E Friberg², Franz Worek³, Horst Thiermann³, Nicholas A Buckley¹

¹Australia, ²Sweden, ³Germany

P27-14**Children nearby organic plantation have lower levels of chlorpyrifos metabolites**

Berna van Wendel de Joode¹, Douglas Barraza¹, Clemens Ruepert¹, Ana María Mora¹, Leonel Córdoba¹, Mattias Öberg², Catharina Wesseling¹, Donna Mergler³, Christian Lindh²

¹Costa Rica, ²Sweden, ³Canada

P27-15**NEUROPROTECTIVE EFFECTS OF MEMANTINE IN THE MODELS OF EXCITOTOXICITY**

Ramesh Gupta¹, Snjezana Zaja-Milatovic¹, Dejan Milatovic¹

¹United States

P27-16**Oxidative stress and inflammation in malathion disrupted hepatic glucose metabolism**

Sara Mostafalou¹, Mohammad Ali Eghbal¹, Mohammad Abdollahi¹, Sadollah Mohammadi²

¹Iran, ²Sweden

P27-17**Operator Exposure during Fungicide Applications in Vineyards**

Agathi Charistou¹, Angelos Tsakirakis², Aristidis Tsatsakis², Andreas Tsakalof², Konstantinos Kasiotis², Kyriaki Machera²

¹, ²Greece

P27-18**Estimation the distance between Trp-214 of HSA and TCP Pesticide Metabolite**

Soheila Kashanian¹, Zohreh Shariati¹, Maliheh Paknejad¹

¹Iran

P27-19**Toxicological studies of diuron herbicide in male albino rats**

Ahmed Sharkawy¹, Doha Yahia¹, Manal Sayed¹, Sary Abdel-Ghaffar¹

¹Egypt

P27-22**TCP pesticide metabolite: A groove binder molecule**

Soheila Kashanian¹, Zohreh Shariati¹, Hamideh Roshanfekr¹, Maliheh Paknejad¹

¹Iran

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Immortalized Rat brain endothelial cells are highly resistant to paraquat toxic effect

Vânia Vilas-Boas¹, Renata Silva¹, Maria de Lourdes Bastos¹, Fernando Remião¹

¹Portugal

P27-25

ETU Fungicide metabolite: a DNA cleaver molecule

Soheila Kashanian¹, Zohreh Shariati¹, Soyebeh Askari¹

¹Iran

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A high-throughput bioanalytical method to determine ethylenethiourea in urine

Eva Ekman¹, Margareta Maxe¹, Christian Lindh¹

¹Sweden

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Christian Strupp¹, Richard Billington², Tina Mehta², Richard Lewis², Bennard van Raavenzway³, Ian Dewhurst²

¹Switzerland, ²United Kingdom, ³Germany

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Vesna Milovanovic¹, Marija Arandjelovic¹, Jasminka Randjelovic¹, Biljana Antonijevic¹

¹Serbia

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Moung Sook Lee¹, Reinhard Kreiling¹

¹Germany

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Katja Hempel¹, Tanja Kaufmann¹, Robert Landsiedel¹, Bennard Ravenzwaay¹

¹Germany

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Qian Ding¹, Katarzyna Malkiewicz¹, Christina Rudén¹, Sven Ove Hansson¹

¹Sweden

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 Helene Stockmann-Juvala¹, Piia Taxell¹, Tiina Santonen¹
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 Sirpa Huuskonen¹, Milla Heinälä¹, Gunilla Herting², Inger Odnevall Wallinder², Tiina Santonen¹
¹Finland, ²Sweden

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 PAOLO ANGELO COLOMBO¹, Maria Teresa Neri¹, Massimo Breda¹, Pietro Grossi¹, Raphaela Schnurbus¹
¹Italy

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 Marina Hasiwa¹, Mardas Daneshian¹, Marcel Leist¹, Thomas Hartung²
¹Germany, ²United States

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 Robert Lansiedel¹, Thomas Wächter¹, Ursula G. Sauer¹, Britta Wareing¹, Bettina Huhse¹, Angelika Langsch¹, Babara Grune¹, Andreas Luch¹, Michael Schroeder¹
¹Germany

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 Robert Landsiedel¹, Agnes Oomen², Peter Bos², Lucia Migliori³, Peter Wick⁴, Janeck Scott-Fordsmand⁵, Frank von der Kammer⁶, Theresa Fernandez⁷, Kerstin Hund-Rinke¹
¹Germany, ²Netherlands, ³Italy, ⁴Switzerland, ⁵Denmark, ⁶Austria, ⁷United Kingdom

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 Christophe ROUSSELLE¹, Claire Beausoleil¹, Luc Belzunces¹, Jean-Pierre Cravedi¹, Veronique Ezratty¹, Martine Kolf-Clauw¹, Claude Emond¹, and the experts of the working group on endocrine disrupters¹
¹France

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 Niels-Christian Ganderup¹
¹Denmark

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Niels-Christian Ganderup¹

¹Dem People's Rep Korea

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Andrew Makin¹, Jes T Jensen¹, Signe Klastrup¹

¹Denmark

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Sally Robinson¹, Kristian Konigsson², Hans Harlemann¹

¹United Kingdom, ²Sweden

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CLAIRE TERRY¹, ALENE T MCCOY², DAVID L RICK², SHAKILA SAGHIR², MICHAEL J BARTELS²

¹United Kingdom, ²United States

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Mykola Prodanchuk¹, Olga Bobylyova¹, Nadii Nedopytanska¹, Igor Leposhkin¹, Georgii Prodanchuk¹

¹Ukraine

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EEG correlates of reduced response inhibition during exposure to propionic acid

Stephanie Anja Juran¹, Christoph van Thriel², Stefan Kleinbeck², Michael Schaper², Michael Falkenstein², Anders Iregren¹, Gunnar Johanson¹

¹Sweden, ²Germany

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Ali Faqi¹, Lorraine Webster², John Kille¹

¹United States, ²Australia

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Jean-Paul Briffaux¹, Lucie Reynaud¹, Edward Marsden¹

¹France

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Omid Sabzevari¹, Ghazaleh Tayeboon¹, Sima Nasri¹, Seyyed Nasser Ostad¹
¹Iran

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Ricardo Pérez-Pastén¹, Luisa Arriaga-Valona¹, Francisco Alcántara-Capitán¹, Clara Zuñiga-Pérez¹, Germán Chamorro-Cevallos¹, Amparo Celene Razo-Estrada²
¹Mexico, ²

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Susanne Kolle¹, Tzutzuy Ramirez¹, Hennicke Kamp¹, Roland Buesen¹, Roland Flick¹, Volker Strauss¹, Bennard van Ravenzwaay¹
¹Germany

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Rui-Sheng Wang¹, Katsumi Ohtani¹, Zuquan Weng¹, Yukie Yanagiba¹, Megumi Suda¹
¹Japan

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PAOLO ANGELO COLOMBO¹, Monica Longo¹, Sara Zanoncelli¹, Ivan Scandale², Guy Mazué³
¹Italy, ²Switzerland, ³France

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Anna-Carin Sköld¹, Mats F Nilsson¹, Ann-Christin Ericsson¹, Anita Annas¹, Rodrigo Palma Villar¹, Gvido Cebers¹, Anne-Lee Gustafson¹, William S Webster²
¹Sweden, ²Australia

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Cecilia Berg¹, Björn Brunström¹, Ingvar Brandt¹
¹Sweden

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Carbon chain length dependent toxic potency by longer-chain perfluorocarboxylic acids

Akihiko Hirose¹, Mutsuko Hirata-Koizumi¹, Sakiko Fujii¹, Masatoshi Furukawa¹, Hina Kato¹, Atsushi Ono¹, Tomoko Nishimaki-Mogami¹, Tetsuji Nishimura¹

¹Japan

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Anna Mattsson¹, Erik Ullerås¹, Agneta Oskarsson¹

¹Sweden

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Yu Gao¹, Ying Tian¹, Yu Ding¹, Rong Shi¹

¹China

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Review of use of minipigs in reproductive and developmental studies

Niels-Christian Ganderup¹, Nicole Navratil²

¹Denmark, ²United States

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Drug induced embryonic cardiac arrhythmia: A teratogenic mechanism of human relevance

Bengt Danielsson¹, Christian Danielsson¹, Johan Brask¹, Anna-Carin Sköld¹, Richard Pehrson¹, Kenneth Stockling¹, Heike Hellmold¹, Fredrik Elinder¹, Christer Sylvén¹

¹Sweden

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Acute effects of ethanol on transplacental transfer

Vesa Karttunen¹, Jenni Veid¹, Kirsi Myöhänen¹, Päivi Myllynen¹, Seppo Auriola¹, Toivo Halonen¹, Kirsi Vähäkangas¹

¹Finland

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Aflatoxin B1 up-regulates CYP19A1 in JEG-3 cells

Pasi Huuskonen¹, Markus Storvik¹, Taija Kyllönen¹, Sarka Lehtonen¹, Hani El-Nezami², Seppo Auriola¹, Markku Pasanen¹

¹Finland, ²Hong Kong

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Psychoactive drugs in pregnancy: possible unfavorable effects on development

Mojmir Mach¹, Eduard Ujhazy¹, Natalia Sedlackova¹, Michal Dubovicky¹

¹Slovakia

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Michalis Michalakis¹, Manolis Tzatzarakis¹, Athanasios Alegakis¹, Matthaios Kavvalakis¹, Elena Vakonaki¹, Ioannis Heretis¹, Miriana Gubandru², Aristidis Tsatsakis¹
¹Greece, ²Romania

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Lithium carbonate teratogenic effects on cardiomyocytes using in vitro systems

Wasay Mohiuddin Shaikh Qureshi¹, Terence Parker¹, Margaret K Pratten¹
¹United Kingdom

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Social housing opportunities during developmental toxicity evaluation in macaques

C. Marc Luetjens¹, Antje Fuchs¹, Michael Niehaus¹, Gerhard F Weinbauer¹
¹Germany

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A Developmental Toxicity Evaluation Comparing Lister Hooded with Wistar Han Rats

Raluca Kubaszky¹, David Esdaile¹, Balasz Komuves¹
¹Hungary

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Sepideh Arbabi Bidgoli¹
¹Iran

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R. Wayne Ball¹
¹United States

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Inter-Laboratory Assesment of a Harmonized Zebrafish Developmental Toxicology Assay

Anne-Lee Gustafson¹, Donald B. Stedman², Jonathan Ball³, Jedd M. Hillegass², Annette Flood², Cindy X. Zhang², Julie Panzica-Kelly⁴, Aleasha Coburn², Brian P. Enright², Belen M. Tornesi², Malcolm Hetheridge³, Karen A. Augustine-Rauch²
¹Sweden, ²United States, ³United Kingdom, ⁴

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Exploratory study on Vigabatrin induced retinal toxicity in pigmented rats

Jean-Paul Briffaux¹, Nathalie Truchot¹, Catherine Botteron¹, Serge Rosolen¹, Caroline Ricart¹, Adeline Varnet¹, Alan Rasmussen²

¹France, ²Denmark

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Resveratrol protects against nicotine induced cardio-hepato-toxicity in male rats

Nacera Haroun¹, Rachid MOSBAH¹, Siham BREDJA¹, Nacim Hamdis¹, Souhila AOUICHAT-BOUGUERRA¹

¹Algeria

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Investigation of potential mechanisms and biomarkers for kidney toxicity in the rat

Anita Annas¹, Kerstin Kenne¹, Anders Samuelsson¹, Susanne Bran¹, Christine Lindqvist¹, Christina Björklund¹, Rolf Johansson¹

¹Sweden

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Investigation of different organophosphates in a human bronchial tripleculture model

Marina Schäfer¹, C. Pohl¹, M. Moisch¹, D. Steinritz¹, K. Kehe¹, C.J. Kirkpatrick¹

¹Germany

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Gingival Hyperplasia in Beagle Dog treated with Cyclosporine A

PAOLO ANGELO COLOMBO¹, Elena Riccardi¹, Guido Di Gallo¹, Francesco Marchesi¹, Anna Maria Giusti¹

¹Italy

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Histopathological findings, telomerase activity and ultrasound measurements in heart tissues after long-term rabbits exposure to turinabol and methanabol.

Christina Tsitsimpikou¹, Konstantinos Tsarouchas¹, Ioannis Germanakis¹, Persefoni Fragkiadaki¹, Maria Tzardi¹, Demetrios Kouretas¹, Ioannis Kalogerakis¹, Konstantinos Lasithiotakis¹, Aristidis Tsatsakis¹

¹Greece

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High content hepatotoxicity screening based on mode-of-action approach

Milena Mennecozzi¹, Georgina Harris¹, Luis Saavedra¹, Brigitte Landesmann¹, Roman Liska¹, Maurice Whelan¹

¹Italy

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Mixture of “Ecstasy” and its metabolites are toxic to SH-SY5Y differentiated cells

Daniel José Barbosa¹, João Paulo Capela¹, Luísa Maria Ferreira¹, Paula Branco¹, Eduarda Fernandes¹, Maria de Lourdes Bastos¹, Félix Carvalho¹

¹Portugal

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Transcriptomic and metabolomic approaches to evaluate developmental neurotoxicity

Helena Hogberg¹, Erwin van Vliet², Sabrina Nolan¹, Hugh Welles¹, Linag Zhao¹, Andre Kleensang¹, Mounir Bouhifd¹, Shelly Odwin-DaCosta¹, Thomas Hartung¹

¹United States, ²Spain

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Protective effects of Teucrium polium L. on acetaminophen induced hepatotoxicity

Heibatullah kalantari¹, Ebrahim Azemi¹, Hossien Frouzandeh¹, Iran Rashidi¹

¹Iran

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Intrathecal stem cells in rotenone induced Parkinson’s Disease (PD) model in mice

Seham Gad El-Hak¹, Mohamed Salama¹, Dina Tantawy¹, Sahar Dakroury¹, Mahmoud Al-Husseiny¹, Sara El-Dousoky¹, Hassan Abdelghaffar¹, Abdelaziz Ghanem¹, Oscar Arias-Carrion²

¹Egypt, ²Germany

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Evaluation of lineage proliferation markers in rat bone marrow by flow cytometry

Minna Suomela¹, Alaa Saad¹

¹Sweden

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Neurotoxin-induced fibril formation and protein changes in rodents

Eva Brittttebo¹, Oskar Karlsson¹, Malin Andersson¹, Anna-Lena Berg¹, Erika Roman¹, Nils-Gunnar Lindquist¹, Jörg Hanrieder¹

¹Sweden

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Benzophenone Induced Organ Toxicity in Albino Rat with Reference to Trace Elements.

Uma Dutta¹, Karabi Dutta¹

¹India

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Susceptibility to 1-bromopropane exposure and gene expression in two rat strains

Gaku Ichihara¹, Fen Huang¹, Sahoko Ichihara¹, Emiko Kitagawa¹, Satomi Mizugami¹, Hitoshi Iwashashi¹, Iida Mari¹, Kitoh Junzho¹

¹Japan

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New Projects in Japan to Alternative Methods for Repeated Dose Oral Toxicity Studies

Hajime Kojima¹, Noriho Tanaka¹, Mitsuo Oshimura¹, Koichi Saito¹, Mituyo Saito¹, Nobuya Imatanaka¹

¹Japan

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Tamoxifen induced liver mitochondrial toxicity and its mitigation by catechin

Heena Tabassum¹, Suhel Parvez¹, Basu Dev Banerjee¹, Sheikh Raisuddin¹

¹India

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Smoker bronchial epithelium: a multi-dimensional in vivo/in vitro comparison

Carole Mathis¹, Carine Poussin¹, Dirk Weisensee², Stephan Gebel², Vincenzo Belcastro¹, Yang Xiang¹, Alain Sewer¹, Arnd Hengstermann², Sam Ansari¹, Sandra Wagner¹, Julia Hoeng¹, Manuel Peitsch¹

¹Switzerland, ²Germany

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TOXICOGENOMIC PROFILING OF FORMALDEHYDE-DEPENDENT EFFECTS IN VITRO

Rebecca Ceder¹, Marina Merne¹, Jan-Anders Nilsson¹, Claudia Staab¹, Jan-Olov Höög¹, Roland C. Grafström¹

¹Sweden

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Probabilistic toxicogenomics studies in vitro

Juuso Parkkinen¹, Rebecca Ceder², Egon Willighagen², Krister Wennerberg¹, Samuel Kaski¹, Roland Grafström²

¹Finland, ²Sweden

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LYMPOCYTE DNA DAMAGE IN TURKISH ASPHALT WORKERS DETECTED BY THE COMET ASSAY

Aysegül BACAŞIZ¹, Zeliha KAYAALTI¹, Esmâ SOYLEMEZ¹, Engin TUTKUN¹, Tülin SOYLEMEZOĞLU¹

¹Turkey

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The Effect of Blood Cadmium Levels in Smokers to Lymphocyte DNA damage

Tülin SOYLEMEZOGLU¹, Esmâ SÖYLEMEZ¹, Zeliha KAYAALTI¹, Vugar ALIYEV¹

¹Turkey

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EFFECT OF IL-6-174 G/C POLYMORPHISM ON METAL LEVELS IN MATERNAL AND CORD BLOOD SAMPLES

Tülin SOYLEMEZOGLU¹, Zeliha KAYAALTI¹, Serap YALCIN¹, Deniz TEKIN¹, Vugar ALIYEV¹

¹Turkey

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Whole genome analysis in HepG2 cells exposed to diuron

fabbri marco¹, Maria Grazia Sacco¹, Solange Roumengous¹, Angelo Collotta¹, Gribaldo Laura¹

¹Italy

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Validation of a gene list predictive for skin sensitization in human keratinocytes

Janine Ezendam¹, Jochem Van der Veen¹, Tessa Pronk¹, Henk Van Loveren¹

¹Netherlands

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Comparative toxicogenomic analysis of hepatotoxicity induced by antifungal drugs

Jung-Hwa Oh¹, Seung-Jun Kang¹, Se-Myo Park¹, Mi Sun Choi¹, Han-Jin Park¹, Yang-Seok Kim¹, Tae Seok Kang¹, Jong Kwon Lee¹, Seokjoo Yoon¹

¹Republic Of Korea

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Identification of early target genes of genotoxic compounds in human hepatocytes.

Marie-Anne Robin¹, Andre GUILLOUZO¹, Rozenn Josse¹, Julie Dumont¹, Alain Fautrel¹, Andre Guillouzo¹

¹France

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Proteomic alterations in primary rat hepatocytes induced by methapyrilene

Tanja Heise¹, Markus Schug¹, Christine Meckert¹, Georgia Günther¹, Alfonso Lampen¹, Jan G. Hengstler¹, Axel Oberemm¹

¹Germany

P33: Toxicology of nanomaterials

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Safety assessment of sub-nano platinum-1 -hazards on fetus-

Yasuo Yoshioka¹, Hiroyoshi Satoh¹, Yuki Morishita¹, Nao Nojiri¹, Hiromi Nabeshi¹, Tomoaki Yoshikawa¹, Yasuo Tsutsumi¹

¹Japan

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Single and Repeated Oral Dose Toxicity Studies of Silicon dioxide Nanoparticles in Rats

CHE JEONG-HWAN¹, Kim Seung-Hyun¹, Cho Eun-Young¹, You Ji-Ran¹, Yoon Jung-Hee¹, Kwon Euna¹, Kim Yoon-Sun¹, Kang Byeong-Cheol¹, Seok Seung Hyeok¹

¹Republic Of Korea

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Single and Repeated Oral Dose Toxicity Studies of Titanium dioxide Nanoparticles

CHE JEONG-HWAN¹, Kim Seung-Hyun¹, Cho Eun-Young¹, You Ji-Ran¹, Yoon Jung-Hee¹, Kwon Euna¹, Kim Yoon-Sun¹, Kang Byeong-Cheol¹, Seok Seung Hyeok¹

¹Republic Of Korea

P33-04

Safety assessment of sub-nano platinum-2 -hazards on neonates-

Yuki Morishita¹, Yasuo Yoshioka¹, Hiroyoshi Satoh¹, Nao Nojiri¹, Hiromi Nabeshi¹, Tomoaki Yoshikawa¹, Yasuo Tsutsumi¹

¹Japan

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Hazard identification of nanosilica particles using atopic dermatitis model mouse

Toshiro Hirai¹, Tomoaki YOSHIKAWA¹, Tokuyuki YOSHIDA¹, Ko-ichi ICHIHASHI¹, Hideki TAKAHASHI¹, Hiromi NABESHI¹, Yasuo YOSHIOKA¹, Yasuo TSUTSUMI¹

¹Japan

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Toxicology of X-ray-exposed, hafnium oxide nanoparticles in the rat liver

Jean-Paul Briffaux¹, Aurélie Pager¹, Corinne Devaux¹, David Ravelo¹, Emmanuel Chereul¹, Laurent Lévy¹, Stéphane Baudet²

¹France, ²

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Phytotoxicity of multiwalled carbon nanotubes on red spinach and role of ascorbic acid

Parvin Begum¹, Bunshi Fugetsu¹

¹Japan

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Titanium dioxide particles inhibit the inflammatory responses in asthmatic mice.

Åsa Gustafsson¹, Sofia Jonasson¹, Anders Bucht¹

¹Sweden

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Toxicity of nanomaterials - Focus on the perspective of the technology assessment

Jutta Schimmelpfeng¹

¹Germany

P33-10
Effect of nanoparticles on the cytotoxicity of coexisting metal salts

Kazuo Isama¹, Tsuyoshi Kawakami¹, Keiko Sakai¹, Atsuko Miyajima¹, Atsuko Matsuoka¹
¹Japan

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Development of a triple-culture model of the alveolar-capillary barrier

Jennifer Kasper¹, Maria I Hermanns¹, Christoph Bantz¹, Olga Koshkina¹, Michael Maskos¹, Ronald E Unger¹, C James Kirkpatrick¹
¹Germany

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A Trojan Horse type Mechanism: Cellular Dose and Toxicity of Ag and CuO Nanoparticles

Pontus Cronholm¹, Hanna L Karlsson¹, Jonas Hedberg¹, Troy Lowe¹, Karine Elihn¹, Inger Odnevall Wallinder¹, Lennart Möller¹
¹Sweden

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Mechanism underlying multiwall carbon nanotube-induced IL-1beta secretion

Tomoko Nishimaki-Mogami¹, Hongyan Cui¹, Keiichiro Okuhira¹, Mikihiro Naito¹, Kazuhiro Suzuki¹, Nishimura Tetsuji¹, Akihiko Hirose¹
¹Japan

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Toxicity of metal nanoparticles in vitro

Ylva Rodhe¹, Zuzana Hassan¹, Lennart Möller¹
¹Sweden

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Detection of nanoparticle-induced DNA oxidation using the comet assay

Johanna Kain¹, Hanna Karlsson¹, Lennart Möller¹
¹Sweden

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Toxicity of zinc oxide nanoparticles towards a fish and mammalian cell line

Tobias Lammel¹, Maria-Luisa Fernández-Cruz¹, Mona Connolly¹, Barrado Ana Isabel Conde Estefania¹, Sylvain Derick², Yolanda Pérez¹, Marta Fernández¹, Christophe Furger², José Maria Navas¹
¹Spain, ²France

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Cytotoxicity of Silver Nanoparticles on Tumoral and Normal Human Cells

ALICIA ÁVALOS¹, ANA ISABEL HAZA¹, PALOMA MORALES¹
¹Spain

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Hemolysis of silica particles: importance of surface properties and plasma corona

Jingwen Shi¹, Yolanda Hedberg¹, Maria Lundin¹, Inger Odnevall Wallinder¹, Hanna Karlsson¹, Lennart Möller¹

¹Sweden

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CARBON-BASED NANOMATERIALS TRIGGER INTERLEUKIN-1B SECRETION IN HUMAN MACROPHAGES

Fernando Torres Andon¹, Lisong Xiao², Xuefeng Song², Elena R. Kisin³, Ashley R. Murray³, Anna A. Shvedova³, Sanjay Mathur², Bengt Fadeel¹

¹Sweden, ²Germany, ³United States

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Biocompatibility of polyester dendrimers in comparison to polyamidoamine dendrimers

Feliu Torres Neus¹, Marie V. Walter¹, Maria I. Montañez¹, Andrea Kunzmann¹, Anders Hult¹, Andreas Nyström¹, Michael Malkoch¹, Bengt Fadeel¹

¹Sweden

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BIODEGRADATION OF CARBON NANOTUBES BY EOSINOPHIL PEROXIDASE

Alexander A. Kapralov¹, Weijong H. Feng¹, Fernando Torres Andon², Benedict J. Chambers², Judith Klein-Seetharaman¹, Alexander Star¹, Anna A. Shvedova¹, Bengt Fadeel², Valerian E. Kagan¹

¹United States, ²Sweden

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The Influence of an in vitro digestion on the toxicity of silver nanoparticles

Linda Boehmert¹, Matthias Girod¹, Ulf Hansen¹, Birgit Niemann¹, Ronald Maul¹, Andreas Thuenemann¹, Alfonso Lampen¹

¹Germany

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Rat Lung Responses after Instillation of Cadmium-Containing Silica Nanoparticles

Teresa Coccini¹, Elisa Roda¹, Uliana De Simone¹, Sergio Barni¹, Luigi Manzo¹

¹Italy

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Cadmium-doped silica nanoparticles toxicity on pulmonary cells: an in vitro study.

Elisa Roda¹, Uliana De Simone¹, Luigi Manzo¹, Teresa Coccini¹

¹Italy

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Genotoxicity of carbon nanomaterials in bronchial epithelial cells in vitro

Hanna Lindberg¹, Penny Nymark¹, Julia Catalán¹, Satu Suhonen¹, Hilikka Järventaus¹, Hannu Norppa¹

¹Finland

P33-26**Microbial biosensors for profiling of toxicity mechanisms of metallic nanoparticles**Olesja Bondarenko¹, Angela Ivask¹, Anne Kahru¹¹Estonia**P33-27****Tetrahymena thermophila converts toxic silver ions to less toxic silver nanoparticles**Katre Juganson¹, Monika Mortimer¹, Kaja Kasemets¹, Anne Kahru¹¹Estonia**P33-28****Genotoxicity of Cobalt Ferrite Nanoparticles on MDA-231 cells using Comet Assay**Gonca Cakmak Demircigil¹, Elif Asik¹, Murat Kaya¹, Tuba Nur Alp¹, Murevet Volkan¹, Mesude Iscan¹¹Turkey**P33-29****Cytotoxicity of Cobalt Ferrite Nanoparticles on Breast Cancer Cell Lines**Elif Asik¹, Murat Kaya¹, Tuba Nur Alp¹, Murevet Volkan¹, Mesude Iscan¹¹Turkey**P33-31****EFFECTS OF IRON OXIDE NANOPARTICLES ON BOVINE MICROVASCULAR ENDOTHELIAL CELLS**Félix Carvalho¹, Fraga Sónia¹, Trickler William², Zhang Yongbin², Xu Yang², Bastos Maria de Lourdes¹, Biris Alexandru², Ali Syed²¹Portugal, ²United States**P33-32****Proteomic analysis of nanoparticle-protein corona formed in vitro**Neserin Ali¹, Bo AG Jönsson¹, Christian H Lindh¹, Monica Kåredal¹¹Sweden**P34: Other****P34-01****Minimally invasive detection of prostate cancer by GSTP1 hypermethylation**Raluca Dumache¹, Marilena Motoc¹, Daniela Ionescu¹, Serban Negru¹, Adriana Kaycsa¹, Dana David¹, Maria Puiu¹¹Romania**P34-02****Inhibition of Carrageenan-induced edema by Stachys Fruticulosa extract**Azam Bakhtiarian¹, Somayyeh Araghi¹, Mahnaz Khanavi¹¹Iran

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Formaldehyde exposure during animal macroscopic examination

Susana Viegas¹

¹Portugal

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Occupational exposure to toxigenic fungi from *Aspergillus flavus* complex

Joana Malta-Vacas¹, Raquel Sabino¹, Susana Viegas¹, Carla Viegas¹

¹Portugal

P34-05

Futility of travel restriction on air quality. The importance of training citizens.

Giuliano Polichetti¹, Alessandra De Sio¹

¹Italy

P34-06

Italy: effects of deficiency funds on ambient air pollution researches.

Giuliano Polichetti¹, Alessandra De Sio¹

¹Italy

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Bladder cancer in crack testers applying azo dye-based sprays to metal bodies

Klaus Golka¹, Silke Kopps¹, Hans-Martin Prager¹, Stephan v. Mende¹, Ralf Thiel¹, Olaf Jungmann¹, Jürgen Zumbe¹, Hermann M. Bolt¹, Jan G. Hengstler¹

¹Germany

P34-08

THE STUDY OF ANALGESIC EFFECTS OF HYDROALCOHOLIC EXTRACT OF SEED AND CROPS OF ANETHUM GRAVEOLENS

Azam Bakhtiarian¹, Masoome Rezai-Asl¹, Mandana Sabour¹, Vahid Nikoui¹, Guiti Ghamami¹, Maryam-Sadat Yadavar-Nikravesh¹, Sattar Ostadhadi¹

¹Iran

P34-09

Effects of the Polycan on Experimental Periodontitis and Alveolar Bone Loss in Rats

Young Seon Park¹, Su Jin Kang¹, Young Joon Lee¹, Sae Kwang Ku¹

¹Republic Of Korea

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Risk Analysis of the chemicals and radiation.

Jun Kanno¹

¹Japan

P34-11
Bisphenol A disrupts The Intestinal Lipid Metabolism

 Ludovic Le Corre¹, Lydie Ivry Del Moral¹, Philippe Besnard¹, Marie-Christine Chagnon¹
¹France

P34-12
Uptake of methylated myricetin derivatives in cell culture and C. elegans

 Daniela Ackermann¹, Christian Buechter¹, Yvonne Chovolou¹, Peter Proksch¹, Wim Waetjen¹
¹Germany

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¹Romania

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¹Germany, ²Slovakia, ³Austria

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¹Germany, ²Slovakia

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¹United States

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Ph: +44 1785 825600
Email: Julie.jones@instem.com
Address: Stone Business Park
Stone, Staffordshire
ST15 OSD, United Kingdom
Web site: www.instem.com

INSTITUTE OF ENVIRONMENTAL MEDICINE

The Institute of Environmental Medicine (IMM) is a department at Karolinska Institutet and an interdisciplinary research institution within the broad field of environmental medicine. IMM conducts cutting edge research within the areas of epidemiology, toxicology, physiology, environmental and occupational medicine. IMM is a national centre for providing the governmental agencies with environmental health risk assessments. IMM scientists participate in national and international expert groups that conduct risk assessments or develop guidelines.

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Institute of Environmental Medicine

Karolinska Institutet

Visiting address: Nobels väg 13, Solna

Postal address: Box 210, 171 77 Stockholm, Sweden

Web site: <http://ki.se/imm/en>

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The International Union of Toxicology (IUTOX) has 56 affiliated societies representing six continents and over 20,000 toxicologists from industry, academia and government. IUTOX provides leadership as a worldwide scientific organization that objectively addresses global issues involving the toxicological sciences; broadens the geographical base and recognition of toxicology as a profession; pursues capacity building in toxicology, particularly in developing countries to enhance toxicology education and the career development of young toxicologists. Our 8th Congress of Toxicology in Developing Countries (CTDC8) is in Bangkok, September 10 – 14, 2012 and the 13th International Congress of Toxicology (ICTXIII) is in Seoul, 30 – July 4, 2013. For more information. Contact iutoxhq@iutox.org

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The National Library of Medicine (NLM), on the campus of the National Institutes of Health in Bethesda, Maryland, is the world's largest medical library. The Library collects materials and provides information and research services in all areas of biomedicine and health care.

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NOTOX was founded in 1983 and evolved as a privately held company until 2005. In this year NOTOX became part of a worldwide group of autonomous companies (WIL Research Ltd, OH USA and QS Pharma Ltd, PA USA) providing toxicology research services. This Trans-Atlantic presence was built with a vision to seamlessly address, the service needs of international industry partners.

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Contact: Laura Mattinen, PhD
Application Scientist
Plexpress
Viikinkaari 6
00790 Helsinki
Finland
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Contact: Edwin van Vulpen
Senior Director Business Development
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Contact Information

Dr Serge Bischoff, CEO

Rhenovia Pharma

20c rue de Chemnitz

68200 Mulhouse

France

Phone +33 3 89 32 11 80

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Ph: +1 518-697-3971
Email: sandra.petralia@taconic.com
Address: Taconic Europe A/S
Tornbjergvej 40, Ejby
4623 Ll. Skensved, Denmark
Address: Taconic
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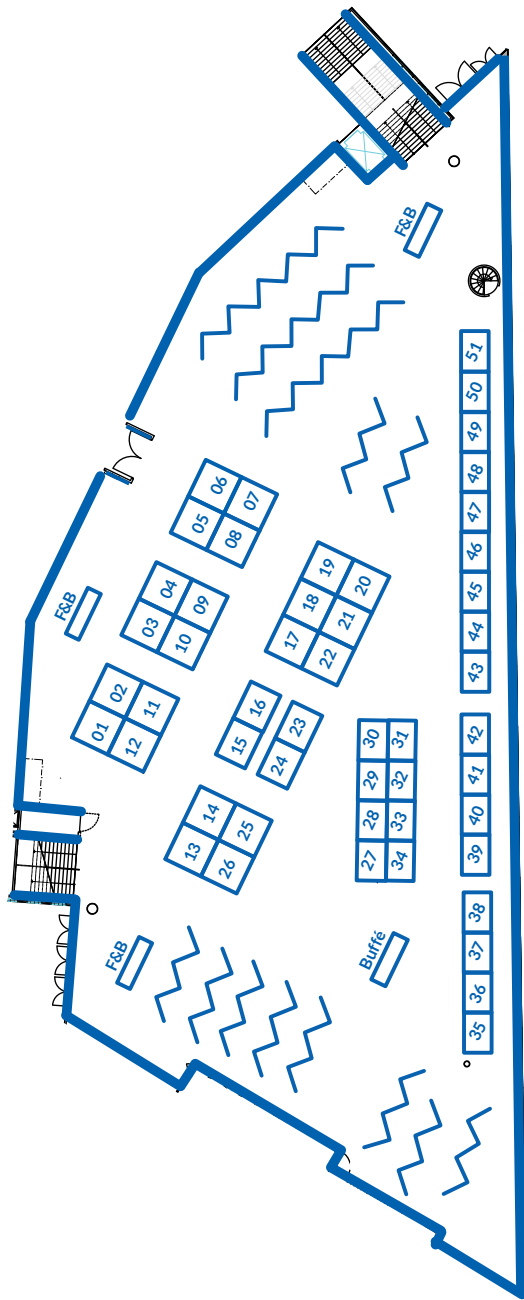
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EUROTOX Congress awards

2012 Young scientist awards

Award condition

The first and presenting author must be under 35 years of age as of 31 December of the year of the Congress.

There is no application procedure for the award. All posters presented automatically participate in the contest and will be considered by the jury.

The poster or oral presentation considered must be presented at the EUROTOX annual congress.

Award categories

1. EUROTOX Gerhard-Zbinden (2,000 €) for drug-oriented toxicological research.

o The winner will receive 1,000 € in cash at the congress.

o The winner may use the remaining 1,000 € to cover expenses (hotel, accommodation, transfer, etc) to attend the successive congress edition.

The claim should be made directly to the EUROTOX Treasurer using the form obtained from the EUROTOX Secretariat (secretariat@eurotox.com).

2. ECETOC (2,000 €) for toxicological research into mechanisms and risk assessment.

o The winner will receive 1,000 € in cash at the congress.

o The winner may use the remaining 1,000 € to cover expenses (hotel, accommodation, transfer, etc) to attend the successive congress edition.

The claim should be made directly to the EUROTOX Treasurer using the form obtained from the EUROTOX Secretariat (secretariat@eurotox.com).

3. SITOX (1,000 €) for multi-national collaborative research, results of a collaboration of a minimum of four researchers from different European countries.

o The winner will receive the entire sum in the amount of 1,000 € in cash at the congress.

Selection process

The EUROTOX Vice-President chairs the panel of judges made up of the four Chairs of the EUROTOX Speciality Sections (or a delegate appointed by them). Four criteria will be evaluated.

1. Originality and potential impact of the research project
2. Adequacy of the methodological approach adopted
3. Scientific value of the results
4. Care, quality and clarity of the presentation

An initial selection of finalists will be made, based on careful review of the abstracts with final evaluation taking place at the congress site.

Announcement of winners

The winners of the awards will be contacted by the congress organisers and announced on the congress web site. The awards will be presented by the president of EUROTOX during the Closing ceremony.

Recognition

1. Certificate
2. Cash prize distributed as mentioned above
3. Waived registration to next year's EUROTOX Congress
4. Free annual subscription to Elsevier's Toxicology Letters

The Bo Holmstedt Memorial Fund (BHMf) poster award

Award Condition

There is no application procedure for the award. All posters presented automatically participate in the contest and will be considered by the jury.

The posters considered must be presented at the EUROTOX annual congress.

Award Category

BH Poster Award (1,000 €) for describing a feasible method for the solution of a toxicological problem under maximum respect of the 3R-principle (Reduce, Refine, Replace animal testing).

Selection process

The jury is composed of two members. One member will be designated by EUROTOX, the other one by BHMf.

The jurors select the poster that comply the best with the pre requisite on the 3R principle.

Announcement of winner

The winner of the award will be contacted by the congress organisers and announced on the congress web site. Certificate and cash prize will be presented by the EUROTOX and BHMf Presidents during the closing ceremony

Recognition and presentation

1. Certificate
2. Cash prize

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