



Accepted Poster Presentations

Status: 25 August, 2015

Poster Sessions:

• **Poster Session I: Monday, September 14, 2015, 14h00 - 16h00**

-> All posters with poster numbers starting with **P01 to P09** will be presented

• **Poster Session II: Tuesday, September 15, 2015, 15h00 - 17h00**

-> All posters with poster numbers starting with **P10 to P22** will be presented

Kindly note: no abstracts have been submitted for poster topic P21, so there are no posters that will be presented under this category.

Poster Areas:

- **Alfândega, Ground Floor, Exhibition Area (West Ground Floor):**
 - Poster Session I (Monday): P04, P07, P08, P09
 - Poster Session II (Tuesday): P10, P11, P12, P15, P16
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- **Alfândega, Ground Floor, Foyer:**
 - Poster Session I (Monday): P05, P06
 - Poster Session II (Tuesday): P14
 -
- **Alfândega, Ground Floor, Miniaturas Hall:**
 - Poster Session I (Monday): P05
 - Poster Session II (Tuesday): P17, P18
 -
- **Alfândega, 1st Floor, Room Republic & Foyer:**
 - Poster Session I (Monday): P01, P02, P03
 - Poster Session II (Tuesday): P13, P19, P20, P22

Poster Topics:

- | | |
|---|---|
| • P01 - Regulatory Toxicology Biomarkers | • P10 - Omics Technologies |
| • P02 - Food Safety / Food Allergies | • P11 - Carcinogenesis |
| • P03 - Human and Environmental Risk Assessment | • P12 - Organ Toxicities |
| • P04 - Risk Communication | • P13 - Mechanisms of Toxicity |
| • P05 - Clinical Toxicology | • P14 - Alternative Animal Models |
| • P06 - Computational Toxicology | • P15 - Early Safety Strategies |
| • P07 - Emerging in vitro Models | • P16 - Juvenile Toxicology |
| • P08 - Nanomaterials | • P17 - Safety Assessment of Mixtures |
| • P09 - Immunotoxicology/ Immunogenicity | • P18 - Reactive Metabolites |
| | • P19 - Thresholds of Toxicological Concern |
| | • P20 - Genotoxic Impurities |
| | • P22 - General Toxicology |



POSTER SESSION I (MONDAY)

P01-Regulatory Toxicology Biomarkers

P01-001

Developing a Framework for Integrating Toxicokinetics into Human Health Risk Assessment for Chemicals

Claire Terry, Sean Hays, Alene McCoy, *Manoj Aggarwal, Lisa McFadden, Michael Bartels, Richard Billington

P01-002

Writing cytotoxicity assessments for targeted cancer therapies

*Gian C. Winkler, Milica Glogovac, Maarten P. Prause, Ester Lovsin Barle

P01-005

The use of AOPs in risk assessment: Development of biomarker based on a read across use case on VPA analogues in the Detective project.

Regina Stöber, Thomas Steger-Hartmann, Glenn J. Myatt, Andrea Richarz, Jan Hengstler, *Sylvia Escher

P01-006

Approaches and rationale for the selection of a non-rodent species within a low molecular weight, early drug development program

*Maria Papoutsis, Zuhail Dincer, David Andrew Shaw, Ursula Junker, Renee Bergeron

P01-007

C-REACTIVE PROTEIN AND FIBRINOGEN AS MARKERS FOR INFLAMMATORY REACTIONS INDUCED BY VACCINES IN TOXICOLOGY STUDIES IN RABBIT

*JULIE LATOUR, PAUL DESERT, GUILLAUME RAVEL

P01-008

Voltammetry of low molecular weight antioxidants in biological samples

*Irena Vobornikova, Alzbeta Kracmarova, Miroslav Pohanka

P01-010

Comparison of the evaluation methods of haemocompatibility for polymer biomaterials contacting with blood

*Atsuko Miyajima-Tabata, Kaoru Komoriya, Hitomi Hiruma, Reiko Kato, Shingo Niimi

P01-011

Arrangement of a simple colorimetric test for the determination of cholinesterase activity in presence of reversible inhibitor

*Miroslav Pohanka, Josef Fusek, Pavla Martinkova, Irena Vobornikova

P01-012

Health Canada's Estimation of a Provisional Tolerable Daily Intake for Diethyl Phthalate

Gordon Barrett, Lynn Berndt-Weiss, Mikin Patel, Colleen Sutton, Patricia Pelletier, *John Field



P01-013

A survey of aflatoxin M₁ levels in urine: an exploratory study.

*Raul Ortiz-Martinez, Maria Carolina De Luna -Lopez, Arturo Valdivia-Flores, Teodulo Quezada-Tristan

P01-014

Determination of Brain Cholinesterase Activities in Organophosphate-Exposed Wild Birds in Korea

*Hee Yi, Ji-Hyun Bang, Jong-Hun Seo, Young-Il Park, Jae-Young Song, Hwan-Goo Kang

P01-015

Differential responses to PAHs and dioxin-like compounds in human and rat AhR-dependent reporter gene cell models

*Katerina Pencikova, Jan Vondracek, Zdenek Dvorak, Aneta Novotna, Patrik Andersson, Miroslav Machala

P01-017

Biological fate of styrene oxide adducts with globin: identification of degradation products in rat urine

*Jaroslav Mraz, Igor Linhart, Šárka Dušková, Iveta Hanzlíková, Ludmila Dabrowská, Ale-na Moulisová, Kamil Hejl

P01-018

SAFETY EVALUATION OF TECHNICALLY UNAVOIDABLE TRACES OF METALS IN COSMETICS

Marina Marinovich

P01-019

Enniatin B mycotoxin is excreted as such to rat urine

*Pertti Koivisto, Martina Jonsson, Marika Jestoi, Kimmo Peltonen

P01-020

Identification of blood microRNA Biomarkers for Volatile organic compounds (VOCs) exposure

*Mi-Kyung Song, Jae-Chun Ryu

P01-021

A microRNA Signature of Volatile organic compounds (VOCs)

*Mi-Kyung Song, Jae-Chun Ryu

P01-022

Identification of the Epigenetic Biomarkers of Hexanal Relevant to Pulmonary Toxicity with DNA Methylation Analysis

*Mi-Kyung Song, Yoon Cho, Seung-Chan Jeong, Tae Sung Kim, Jae-Chun Ryu

P01-023

Synthesis of hapten for measuring 3,5,6-trichloro-2-pyridinol, Major metabolite of chlorpyrifos

Areumnuri Kim, Dalrae Ahn, Joong-Young Kim, Kyung-Hun Park, Namjun Cho, *Minkyung PAIK



P01-024

Use of biomonitoring data on phthalates to assess exposure on European population

Christophe Rousselle, Ronan Le Guen, François Pouzaud, Brice Appenzeller, *Claire Beausoleil

P01-025

A NOVEL METHODOLOGY TO TEST DRY FORM OF AGROCHEMICAL FORMULATION SPRAY FOR *IN VITRO* DERMAL ABSORPTION USING HUMAN SKIN

*Manoj Aggarwal, Wilfred Maas, Philip Fisher, Neil Morgan, Robert Parr-Dobrzanski, Maria Soufi, Christian Strupp, Christiane Wiemann, Richard Billington

P01-026

Urban air pollution fine particulate matter exposure: Biomarkers of carcinogenesis modulated by people ageing

*Sylvain Billet, Margueritta AL ZALLOUHA, Yann LANDKOCZ, Bertrand FOUGERE, Capucine LEPERS, Raphaël DELEPEE, Fabrice CAZIER, Perrine J. MARTIN, Anthony VERDIN, Frédéric LEDOUX, Frank J. KELLY, François SICHEL, Pirouz SHIRALI, Pierre GOSSET

P01-027

Indirect Genotoxicity of Diesel Engine Emission: An *in vivo* Study Under Controlled Conditions

*Yann LANDKOCZ, Pierre GOSSET, Amélie HELIOT, Cécile CORBIERE, Cathy VENDEVILLE, Veronika KEVAREC, Sylvain BILLET, Anthony VERDIN, Christelle MONTEIL, David PRETERRE, Jean-Paul MORIN, François SICHEL, Thierry DOUKI, Perrine J. MARTIN

P02- Food Safety / Food Allergies

P02-001

Effects of Cooking Process on the Concentrations of Mercury, Selenium and GPx activity in Tuna (*Thunnus Thynnus*)

Montserrat Belles Mateu, Maria Isabel Llovet, Begonya Mèlich Bonancia, *Jose Luis Domingo Roig, Victòria Linares-Vidal

P02-002

Pharmacognostic Standardization of Leaf of *Ficus Carica* Leaves

*Babar Ali, MOHD. MUJEEB, SAIBA SHAMS, Babar Ali

P02-003

Binary and tertiary combinations of 3-ADON, 15-ADON and AOH mycotoxins on HepG2 cells: evaluation of cytotoxic effects and detection of metabolite products

*Ana Juan García, Cristina Juan, Guillermina Font, María-José Ruiz

P02-004

Biological effects of classic and diet soda drinks assessed in *in vivo* and *in vitro* models.

*Marcos Mateo-Fernández, Virginia Moreno-Ariza, Manuel Balongo-Escobar, Laura Luque-Bravo, Zahira Noemí Fernández-Bedmar, María Inmaculada Martínez-Jurado, Sebastian Demyda-Peyrás, Tania Merinas-Amo

P02-005

Comparison of *in vivo* and *in vitro* activities of alcohol and non-alcohol beer



*TANIA MERINAS-AMO, MARÍA INMACULADA MARTÍNEZ-JURADO, ROCÍO MERINAS-AMO, VICTORIA GARCÍA-ZORRILLA, ZAHIRA NOEMÍ FERNÁNDEZ-BEDMAR, ANGELES ALONSO-MORAGA, MARCOS MATEO-FERNÁNDEZ

P02-006

THE EFFECTS OF MALATHION ON SERUM PARAMETERS IN RAT

*Murat Ekremoglu, Hatice Pasaoglu, Cinar Severcan, Bayram Sen, Ozge Tugce Pasaoglu

P02-007

Use of (Q)SAR tools as a first step in a strategy to assign priority to substances migrating from printed paper and board food contact materials based on genotoxic potential

*Melissa Van Bossuyt, Els Van Hoeck, Giuseppa Raitano, Norbert Ost, Gamze Ates, Gerit Schüürman, Tamara Vanhaecke, Emilio Benfenati, Vera Rogiers, Birgit Mertens

P02-008

A short study of deoxynivalenol correlation in diet and urine

Rodríguez-Carrasco Yelko, Font Guillermina, *Ruiz Maria-Jose, Berrada Houda

P02-009

Acrylamide - a duplicate diet study

*Meike Ruenz, Tamara Bakuradze, Gerhard Eisenbrand, Elke Richling

P02-010

Safety checkpoints of natural and synthetic yellow food additives in human tumour cell and animal models

MARÍA INMACULADA MARTÍNEZ-JURADO, ZAHIRA NOEMÍ FERNÁNDEZ-BEDMAR, MARCOS MATEO-FERNÁNDEZ, MARÍA DEL CARMEN CRESPIÓN-LÓPEZ, ROCÍO MERINAS-AMO, ANGELES ALONSO-MORAGA, *TANIA MERINAS-AMO

P02-011

The influence of trace amount of enrofloxacin in water on the doxycycline residues in chicken tissues experimentally infected by *Mycoplasma gallisepticum*

*Malgorzata Gbylik-Sikorska, Tomasz Sniegocki, Andrzej Posyniak, Bartosz Sell, Jan Zmudzki, Monika Olszewska, Grzegorz Tomczyk, Anna Sawicka

P02-012

Consumer exposure assessment and potential health risk to tetracycline residues in food of animal origin

*Anna Gajda, Andrzej Posyniak, Tomasz Bladek, Malgorzata Gbylik - Sikorska

P02-013

Acrylamide in rye bread - a risk in Finnish diet?

*Marja Raatikainen, Eirik Kronlöf, Hannu Salovaara, Pertti Koivisto

P02-014

Effects induced by polyphenol-rich natural extracts against lipoperoxidation - protection against toxicant induced oxidative stress

*Denisa Margina, Octavian Olaru, Mihaela Ilie, Claudia Gutu, Sorina Petrache, Liviu Florea, Daniela Gradinaru, Anca Dinischiotu



P02-015

Short-term toxicity and genotoxicity studies of BIX003, a natural preparation from porcine cartilage

*Anna Torrent, Eulàlia Montell, Josep Vergés, Andrea Sokolowski, Lourdes Canut, Silvia García, Agustín Casadesús

P02-017

In vivo alkaline and Endo III and FPG-modified comet assays of Carvacrol, an Oregano essential oil compound

Maria Llana-Ruiz-Cabello, Maria Puerto, Ana I Prieto, Pilar Mellado-Garcia, Daniel Gutierrez-Praena, Silvia Pichardo, *Ana M Cameán

P02-018

Use of single cell gel electrophoresis assessing DNA damage caused by chemopreventive agents in human leukaemia cells. A model for nutraceutical *in vitro* screening.

*Marcos Mateo-Fernández, Tania Merinas-Amo, Zahira Noemí Fernández-Bedmar, María Inmaculada Martínez-Jurado, Rocío Merinas-Amo, Miguel Moreno-Millán, Angeles Alonso-Moraga, Sebastian Demyda-Peyrás

P02-019

Toxicological, genotoxicological, cytotoxic and lifespan induced activities of different types of garlic (white, purple and black)

Zahira Noemí Fernández-Bedmar, *Marcos Mateo-Fernández, María Inmaculada Martínez-Jurado, Rocío Merinas-Amo, Mariana Carasatorre, Angeles Alonso-Moraga, Tania Merinas-Amo

P02-020

The toxic effects of Cacti-Nea™ on germination of *A. cepa*.

*Fernanda Flores Navarro, Bruna Scicia Oliveira, Franco Dani Campos Pereira, Grasiela Dias de Campos Severi Aguiar, Maria Aparecida Marin Morales

P02-022

***In vivo* genotoxicity evaluation by standard and modified comet assay in PTSO (propyl thio-sulphinate oxide) a garlic oil compound**

Pilar Mellado-García, Maria Puerto, Ana I Prieto, Silvia Pichardo, Ana Martin-Cameán, Cristina Nuñez, Enrique Guillamón, *Ana M Cameán

P02-023

REDUCTION OF ARSENIC BIOAVAILABILITY USING DIETARY STRATEGIES

*M^a Jesús Clemente Peiró, Vicenta Devesa i Perez, Dinoraz Vélez Pacios

P02-024

Hydroxyphosphonoacetic acid - an accidental contamination in drinking water

Matthias Bundschuh, Nilda Safari, *Johannes Schulze

P02-025

Mutagenicity evaluation by the Ames Test of two organosulfur compounds

Maria LLana-Ruiz-Cabello, Ana I Prieto, Sara Maisanaba, Silvia Pichardo, Enrique Guillamón, Cristina Nuñez, *Ana M Cameán

P02-026



Fingerprinting (Py-GC/MS) of a bio-film active food package with *Origanum vulgare* L. essential oil

Maria Llana-Ruiz-Cabello, Silvia Pichardo, Nicasio Jimenez Morillo, Jose M Bermudez, Susana Aucejo, Francisco Gonzalez-Vila, *Ana M Cameán, Jose Antonio González-Pérez

P02-027

Oxidative damage marker 8-OHdG in urine of vegetarians and omnivores

*Pertti Koivisto, A-L Kosonen, Juha Laakso

P02-028

Acute dietary risk assessment for the fungicide carbendazim in fruits and vegetables consumed in Brazil

*Peter Rembischevski, Lidia Nunes Gonçalves, Luis Augusto Nero

P02-029

Efficient regulatory and safety assessment of (new) food and feed products

*Suzanne van den Berg, Claudia van den Berg, Winfried Leeman, Astrid Kruizinga, Heerluurt Heeres, Lisette Krul

P02-030

Feed contamination by potential toxigenic fungi

Carla Viegas, Tiago Faria, Raquel Sabino, Anita Quintal Gomes, *Susana Viegas

P02-031

Occurrence of mycotoxins in laboratory rat feeds

*Laura Escrivá, Lara Manyes, Houda Berrada, Guillermina Font

P02-032

Protective effect against mycotoxin occurrence of different additives in smoked fish

Josefa Tolosa, Emilia Ferrer, *Laura Escrivá, Jordi Mañes

P02-033

***In vivo* evaluation of certain food additives and cosmetic preservatives using immature rat uterotrophic assay**

*Anca Pop, Felicia Loghin, Béla Kiss

P02-034

Fabrication of diet supplements components applied in order to reduce body mass

*Anna Godlewska, Marcin Zawadzki, Tomasz Jurek

P02-035

***In vitro* antimicrobial activity of bioactive compounds from plants against mycotoxigenic fungi**

Federica Saladino, *Lara Manyes Font, Giuseppe Meca, Monica Fernández-Franzón

P02-036

The EFSA assessment of the risks to public health associated with bisphenol A (BPA) exposure



Trine Husøy, Andy Hart, Ralph Pirow, Wim C. Mennes, Detlef Wölfe, Paul A. Fowler, Ursula Gundert-Remy, Natalie von Götz, Rudolf A. Woutersen, Davide Arcella, Anne Theobald, *Cristina Croera, Anna F. Castoldi

P02-037

The first BIO-survey on synthetic glucocorticoid abuse in food producing bovines

Danilo Pitardi, Daniela Meloni, Fabio Olivo, Maria C. Cavarretta, Daniela Loprevite, Abraham Brouwer, Peter Behnisch, *Mario Botta, Marzia Pezzolato, Elena Bozzetta

P02-039

Effect of nano-encapsulation of vitamin A and β -carotene on development of embryos in two different alternative animal models (WEC and FETAX).

*Elena Menegola, Renato Bacchetta, Francesca Di Renzo

P02-040

Gliadin effect on the oxidative balance and DNA damage in Caco2 cell line

Erika Monguzzi, Luca Elli, Leda Roncoroni, *Marabini Laura

P02-041

EFFECT OF INORGANIC ARSENIC ON THE INTESTINAL EPITHELIUM AND POSSIBLE PROTECTIVE ROLE OF PROBIOTICS

*Gabriela Chiocchetti, Cristina Alcántara Baena, Vicente Monedero García, Manuel Zúñiga Cabrera, Dinoraz Vélez Pacios, Vicenta Devesa Pérez

P02-042

The transfer of a genotoxic and carcinogenic azo-dye Sudan I to eggs after feeding of laying hens with contaminated feed

*Marta Piatkowska, Malgorzata Olejnik, Piotr Jedziniak, Jan Zmudzki

P02-043

***In vitro* biosynthesis of beauvericin and enniatins by *Fusarium avenaceum* and *Fusarium poae* strains isolated from Italian durum wheat grains**

Cristina Juan, Giovanni Beccari, Lorenzo Covarelli, *Ana Juan García, Jordi Mañes

P02-044

Risk assessment of mycotoxins in coffee beverages

Ana García-Moraleja, *Lara Manyes, Guillermina Font, Emilia Ferrer

P02-045

The influence of clays with an application in the food industry on the mRNA expression of selected genes in human hepatoma cells

Sara Maisanaba, Klara Hercog, Bojana Zegura, Metka Filipic, *Angeles Jos

P02-046

The impact of novel clays destined to food packaging industry on the genomic instability of human hepatoma cells

Sara Maisanaba, Bojana Zegura, María Jordá-Beneyto, *Angeles Jos

P02-047



Cytotoxicity and mutagenicity assessment in HepG2 cells and *Salmonella typhimurium* strains exposed to a silane-modified clay as a new food contact material

Sara Maisanaba, Ana Isabel Prieto, Silvia Pichardo, María Jordá-Beneyto, Susana Aucejo, Ana M Cameán, *Angeles Jos

P02-048

Cytotoxic profile of a silane-modified montmorillonite intended for food packaging

Sara Maisanaba, Daniel Gutiérrez-Praena, Silvia Pichardo, María Jordá-Beneyto, Ana M Cameán, *Angeles Jos

P02-049

Mammalian Erythrocytes Micronucleus test after acute exposure of Wistar rats to PTSO

Pilar Mellado, Ana Isabel Prieto, María Puerto, Silvia Pichardo, Enrique Guillamón, Ana Martín-Cameán, *Angeles Jos, Ana M Cameán

P02-050

EFFECT OF INORGANIC ARSENIC ON THE INTESTINAL EPITHELIUM AND POSSIBLE PROTECTIVE ROLE OF PROBIOTICS

*Gabriela Matuoka Chiocchetti, Cristina Alcántara Baena, Vicente Monedero García, Manuel Zúñiga Cabrera, Dinoraz Vélez Pacios, Vicenta Devesa i Pérez

P02-051

Bisphenol A in beverages and canned foods of the Greek market

*Manolis Tzatzarakis, Vasiliki Karzi, Elena Vakonaki, Emmanouel Barbounis, Christina Tsitsimpikou, Alexandros I. Vardavas, Ioannis Tsakiris, Stylianos Psycharakis, Apostolos K. Rizos, Aristidis M. Tsatsakis

P02-052

Determination of diacetyl in butters and margarines by gas chromatography -mass spectrometry

*Manolis Tzatzarakis, Elena Vakonaki, Christina Kampouroupoulou, Polychronis D. Stivaktakis, Styliani Papachristou, Dionisios Vynias, Ioannis Tsakiris, Apostolos K. Rizos, Aristidis M. Tsatsakis

P02-053

Determination of 4-methylimidazole in soft drinks, beers, vinegar and sauces of Greek market using liquid chromatography-mass spectrometry.

*Elena Vakonaki, Manolis Tzatzarakis, Sofia Moti, Dionysios Vynias, Matthaios Flamourakis, Matthaios Kavvalakis, Christina Tsitsimpikou, Ioannis N. Tsakiris, Apostolos Rizos, Aristidis M. Tsatsakis

P02-054

Monitoring of Ochratoxin A residues in Greek bottled wine

*Ioannis Tsakiris, Manolis Tzatzarakis, Athanasios Alegakis, Paraskevi Mitlianga, Elena Vakonaki, Ioannis Tsatsakis, Josef Dumanov, Dennis Sarigiannis, Aristidis Tsatsakis

P02-055

Cadmium toxicity in adult *Danio rerio*



*Elisavet Renieri, Athanasios Alegakis, Elena Vakonaki, Persefoni Fragkiadaki, Miri-anna Gubanru, Michael Kyriakakis, Dimitris Sfakianakis, Maroudio Kentouri, Pascal Divanach, Aristidis Tsatsakis

P02-056

Rice plant response to long-term microcystin-LR exposure: gene expression profiling

Jinlin Jiang

P02-057

QUANTIFICATION OF METALS IN BEERS MOST CONSUMED IN PORTUGAL

*Maria Luísa Mateus, Tiago Monteiro, Cristina Maria Rodrigues, Maria Manuel Mendes, Ana Paula Marreilha dos Santos, Deodália Dias

P02-058

The EFSA's Chemical Hazards Database, structure and content

*Elena Fioravanzo, Arianna Bassan, Jean-Lou Dorne, Jane Richardson, Simona Kovarich, Manuela Pavan, Beatrice Barbaro

P02-059

Toxicity, cytotoxicity and lifespan induction studies of cider, apple and 3-(2-Hydroxyphenyl)propionic acid

*TANIA MERINAS-AMO, LAURA LUQUE-BRAVO, ANA DE PRADO-AMIÁN, LETICIA LUJÁN-AMORAGA, MARÍA FE CAÑADILLA-TENDERO, DAVID FRAGOSO-RECIO, FERNANDO VALENZUELA-GÓMEZ, ZAHIRA NOEMÍ FERNÁNDEZ-BEDMAR, MARÍA INMACULADA MARTÍNEZ-JURADO, ANGELES ALONSO-MORAGA, ALBA ARDURA, EVA GARCIA-VAZQUEZ, MARCOS MATEO-FERNÁNDEZ

P02-060

Protective Activity of Bambusa Balcooa Roxb. against Repeated Exposure to Ethephon Induced Haematological Alteration in Albino Rat

*Uma Dutta, Mayurakshi Deka

P02-061

Re-evaluation of food colours by the European Food Safety Authority (EFSA)

*Federica Lodi, Alexandra Tard, Stavroula Tasiopoulou, Paolo Colombo, Claudia Roncancio Peña

P02-062

Detection and quantification of 41 antibiotic residues' in Gilthead sea bream (*Sparus aurata*) from aquaculture origin, using a multiclass and multi-residue UHPLC-MS/MS method

*Lúcia Santos, Bruno Soares, João Rosa, Andreia Freitas, Sara Leston, Jorge Barbosa, Fernando Ramos

P02-063

Reproductive safety evaluation of L-Ergothioneine

*Pramila Singh, François Spézia, Dominique Papineau, Caroline Sabadie, Roy Forster, Irene Erdelmeier, Marc Moutet, Jean-Claude Yadan

P02-064

Epigenetic changes after prolonged exposure to alkenylbenzenes - an important signature of potential toxicological effects



*Celia Martins, Inês C. Silva, José Rueff, António S. Rodrigues

P02-065

The re-evaluation programme of food additives authorised for use in Europe

*Paolo Angelo Colombo, Anna Christodoulidou, Federica Lodi, Camilla Smeraldi, Ana Maria Rincon, Alexandra Tard, Stavroula Tasiopoulou, Claudia Roncancio Pena

P02-066

Effects of food chemical contaminants in human HepaRG and Caco-2 cells using an automated microscopy and High Content Analysis based approach

Pierre-Jean FERRON, Sylvie HUET, Kevin HOGVEEN, Valérie FESSARD, *Ludovic LE HEGARAT

P02-067

Investigation of the genotoxicity of the mycotoxins Nivalenol and Deoxynivalenol through a multiendpoint assay in mouse combining micronucleus and comet assays in multiple organs and Pig-A assay

*Ludovic LE HEGARAT, Natsuko TAKAKURA, Sophie SIMAR, Fabrice NESSLANY, Valérie FESSARD

P02-068

Determination of amanitins in Portuguese wild mushrooms by high performance liquid chromatography with electrochemical detection

*Marta S. Leite, Daniel A. Barata, Cristina A. Costa, Inês I. Ferreira, Fernando Ramos, Isabel R. Barbosa, Rui M. Barbosa

P02-069

Safety evaluation of a whey protein fraction containing a concentrated amount of naturally occurring TGF- β 2

Roy Forster, *Jacques Descotes, Michel Bourtourault, Yong Joo Chung, Jérémy Silvano, Guillaume Sire, François Spézia, Caroline PUEL, Takashi Mikogami

P02-070

Pro-inflammatory and toxic effects of ochratoxin and ochratoxin α in human neutrophils

*Daniela Ribeiro, Larine Kupski, Eliana Badiale Furlong, Marisa Freitas, Eduarda Fernandes

P02-071

Histopathological approach for the screening of illicit administration of nandrolone in veal calves

*Mario Botta, Marzia Pezzolato, Guia Benedetta Richelmi, Carolina Ferranti, Marco Famele, Rosa Draisci, Daniela Meloni, Elisa Baioni, Elena Bozzetta

P02-072

Antioxidant activity of Macedonian Juniper (*Juniperus communis* L.) fruit extracts

*Leonard Kurti, Blagica Jovanova, Ariana Kelmendi, Mentor Hamidi, Tatjana Kadifkova-Panovska, Svetlana Kulevanova

P03 - Human and Environmental Risk Assessment

P03-003



The concept of human exposure-based toxicity testing for agrochemicals

Claire Terry, Carmen Arasti, Andrew Whyte, Richard Billington, *Manoj Aggarwal

P03-005

Assessment of DNA damage in peripheral blood of electronic cigarette (e-cigarette) users

*Gulşen Göney, Ismet Çok, Sema Burgaz, Ugur Tamer, Tijen Şengezer

P03-006

Microbial Contamination of Water Atoyac River Watershed in the State Reserve the sierra tentzo, puebla mexico.

*Anabella Handal Silva, Yesenia Rodríguez, Moises Carcaño, Lucia López, Carolina Morán, Jose Morán Perales

P03-007

Microbial Contamination of Water in Laguna de Metapan Elsalvador, Central America.

*Anabella Handal Silva, Moises Carcaño, Lucia Lopez, Carolina Morán, Jose Morán Perales

P03-008

Novel Approaches and Their Applications in Risk Assessment of Chemicals

*Teresa Borges, Zuzana Kloslova, Agnieszka Swiatek

P03-009

Circulating Levels of Perfluoroalkyl Substances and Biomarkers of Liver Function in a large Populationbased Sample of Elderly Men and Women from Sweden

*Monica Lind, Samira Salihovic, Anders Larsson, Bert van Bavel, Lars Lind

P03-010

Validation of TK Modeler as a Tier I screening tool to make human toxicokinetic estimations using animal data

Claire Terry, Carmen Arasti, Alene McCoy, Michael J Bartels, *Manoj Aggarwal

P03-011

Prenatal exposure to low-level lead may reduce birth weight

*Mohsen Vigeh, Emiko Nishioka, Takehisa Matsukawa, Katsumi Ohtani, Shigeki Koda, Kazuhiro Yokoyama

P03-014

Antineoplastic occupational exposure: Is exposure to mixtures being considered in the risk assessment process?

*Susana Viegas, Carina Ladeira, Mário Pádua, Mário Gomes

P03-015

A Study on Oxidative Stress, Hematological and Biochemical Parameters in Copper Smelter Workers

Mahin Alishahi, *AliAkbar Malekiran, Ali Mandegary, Mohammad Abdollahi, *Mehdi Ansari, Abbas Mozaffari

P03-016

Levels of tin in environmental and biological samples in the vicinity of an alloy industry

*Maria Moreira, Sayonara Azevedo, Fernanda Bergamini, Regina Gomes, Marcela Valente



P03-018

CIRCULATING LEVELS OF PERFLUORINATED COMPOUNDS AND LEFT VENTRICULAR GEOMETRY

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*Ângela Almeida, Joana Correia, Vânia Calisto, Cátia Velez, Rudolf Schneider, Valdemar Esteves, Amadeu Soares, Etelvina Figueira, Rosa Freitas

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*Imbi Kurvet, Kai Künnis-Beres, Kaja Kasemets, Anne Kahru

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*Onur Erdem, Serdar Çetinkaya, Mehmet Kaplan, Eyüp Çırak, Sıla Mermut Gökçe, Cemal Akay

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*Sara Levorato, *Samuele Vannini, Elisabetta Ceretti, Milena Villarini, Sara Bonetta, Cristina Fatigoni, Annalaura Carducci, Massimo Moretti, Maria Antonella De Donno, Silvano Monarca, Silvia Bonizzoni, Alberto Bonetti, Umberto Gelatti

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*Anabella Handal Silva, Yesenia Rodríguez, Moises Carcaño-Montiel, Lucia López-Reyes, Carolina Morán Raya, José Luis Morán Perales



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*Giuliano Polichetti, Alessandra De Sio

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*Aurelie Berthet, Laetitia Pralong, Lazare Benaroyo, David Vernez, Nancy B. Hopf

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*Linda Schenk, Ann-Beth Antonsson, Gunnar Johanson

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*Nina Wezynfeld, Wojciech Bal, Tomasz Frączyk

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*Dilek Kaya-Akyüzlü, Zeliha Kayaaltı, Fezile Özdemir, Vugar Ali Türksoy, Engin Tutkun, Tülin Söylemezoğlu

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*Paula Regina Simões de Oliveira, André Pedro Neto, Arnaldo González Castro, Ineldo Ruiz Ar-
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*Radu Ciprian Tincu, Cristian Cobilinschi, Zoie Ghiorghiu, Radu Alexandru Macovei

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*Radu Ciprian Tincu, Cristian Cobilinschi, Zoie Ghiorghiu, Radu Alexandru Macovei

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*Alireza Ebadollahinatanz, Gholamreza Arabrahmatipour

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*Slavica Vucinic, Vesna Kilibarda, Jasmina Jović-Stošić, Miodrag Jovanović, Biljana Antonijevic,
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*Selma M M Matheus, Cristiane Alessi Pissulin, Flavio Codina, Ana Angélica Henrique Fernandes

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*Aneta Novotna, Zdenek Dvorak

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*Moisés Pescador, María Ángeles Ramos, Manuel Arias, Carlos Gómez-Alamillo, Mercedes Sánchez-Barba, Yaremi Quiros, Víctor Blanco-Gozalo, Marta Pioto, Laura Vicente-Vicente, Alfredo G. Casanova, Francisco J. López-Hernández, Ana Isabel Morales

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*Asım Hocaoglu, Ceylan Bal, Müjgan Ercan, Ayşe Böke, Lütfiye Tutkun, Omer Hınç Yılmaz

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*Bertha Zangroniz, Parra Yusina Karina

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*Vanda Maria Andrade, Maria Luísa Mateus, Maria Camila Batoréu, Michael Aschner, Ana Paula Marreilha dos Santos

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*Cristian Tuchilă, Elena Daniela Bîlea, Daniela Luiza Baconi

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*Piotr Czekaj, Danuta Kozłowska-Rup, Ewa Czech, Aleksandra Suszka-Świtek, Danuta Plewka, Kamil Sołtysik, Anna Wiaderkiewicz, Katarzyna Kopaczka, Jerzy Sikora

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*ANDREA AMORAS MAGALHÃES, LINCON UCHOA SIDON, JOSÉ DE RIBAMAR RIBEIRO DA SILVA SOBRINHO, *ELOISA DUTRA CALDAS

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*Purdel Carmen, Dima Ines, Margina Denisa, Gradinaru Daniela, Ilie Mihaela

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*Gordana Brajković, Vesna Kilibarda, Jasmina Jović-Stošić, Snežana Bojović, Dragana Rančić, Marija Gavrović-Jankulović, Zorica Brajković, Slavica Vučinić

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*Bastiaan Vliegthart, Kathleen Scullion, Wilna Oosthuyzen, Daniel Antoine, Kevin Park, David Webb, Neeraj Dhaun, James Dear

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*María Regenjo Vázquez, Antonia María Carro Díaz, Rosa Antonia Lorenzo Ferreira, Iván Álvarez Freire, Purificación Fernández Gómez

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*María Regenjo Vázquez, Antonia María Carro Díaz, Rosa Antonia Lorenzo Ferreira, Miriam María González Gómez, Ana Fernández Sobrino, Purificación Fernández Gómez

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*Hui Jai Lee, Jong Hwan Shin, Se Jong Lee, Somi Shin

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*Renata Eliane Boehm, Denise Leal, Almeri M Bansas, Flávia V Thiesen, Tor GH Onsten, Rosane Gomez

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*José Luís Dores-Sousa, José Alberto Duarte, Vítor Seabra, Maria de Lourdes Bastos, Félix Carvalho, Vera Marisa Costa

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*Hanen Ferjani, Amira El Arem, Rim Timoumi, Ines Amara, Salwa Abid, Hassen Bacha, Imen Ayed-Boussema

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*Armanda Teixeira-Gomes, Vera Marisa Costa, Rita Feio-Azevedo, José Alberto Duarte, Margarida Duarte-Araújo, Eduarda Fernandes, Maria Lourdes Bastos, Félix Carvalho, João Paulo Capela

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*Juliana Garcia, Vera M. Costa, Alexandra Carvalho, Ricardo Silvestre, Jose Alberto Duarte, Daniel Dourado, Ricardo Oliveira, Paula Baptista, Maria de Lourdes Bastos, Félix Carvalho

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*Marilia Martins Melo, Ana Flávia Machado Botelho, Aparecida Tatiane Lino Fiuza, Mariana Guimarães Ferreira, Benito Soto-Blanco

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*Francisco Ruiz-Navarro, Georg Kobinia

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*Nesma NEKKAL, Rachida Soulaymani Bencheik , Ghizlan El Oufir , Abdelrhani Mokhtari , Abdelmajid Soulaymani

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*Claudine C. Hunault , Evelien P.M. Van der Burgt , Koen B.E. Böcker , J.Leon Kenemans, Irma de Vries, Jan Meulenbelt

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*Débora Lima, Flávia Marques, Annibal Duarte, Carlos Manuel Afonso, Félix Carvalho, *Ricardo Dinis-Oliveira

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*Isabella Bolengo, Anna Ronchi, Paolo D. Pigatto, Gian Paolo Bombeccari, Francesco Spadari, Gianpaolo Guzzi

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*Eva Sofia Gonçalves Cunha, *Berta São Braz, Telmo Nunes, Hugo Vilhena

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*Lisa Franzén, Matilda Bäckberg, Olof Beck, Anders Helander



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*James Chenoweth, Daniel Colby, Kelly Owen, Timothy Albertson, Jonathan Ford, Mark Sutter

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*Adriana Belas, Anabela Moreira, Berta São Braz, Belmira Carrapiço

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Gianpaolo Guzzi, Anna Ronchi, Rossi Valentina, Francesco Spadari, Gian Paolo Bombeccari, *Isabella Bolengo, Lucia Brambilla, Silvia Ferrucci, Paolo Pigatto

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*Isabella Bolengo, Paolo D. Pigatto, Lucia Brambilla, Silvia Ferrucci, Francesco Pallotti, Anna Ronchi, Gianpaolo Guzzi

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*Clara Dias, Nelson F. Casimiro, Sara Maia, Ana L. Papoila, Sofia A. Pereira, Karina Soto

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*Kazuhiro Sato, Kohtaro Yuta, Jose Martin Ciloy, Yukinori Kusaka



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*Takayuki Anzai, Laura Kaufman, Reto Aerni, Frederic Mura, Maro Schuster, Rich Buchanan, Michael Wasko

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*Paola Gramatica, Alessandro Sangion, Stefano Cassani

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*Mohammed Atari, Simon Thomas

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*Ursula Gundert-Remy, Monika Batke, Annette Bitsch, Martin Gütlein, Stefan Kramer, Falko Partosch, Madeleine Seeland

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*Fabian P. Steinmetz, David J. Ebbrell, Steven J. Enoch, Judith C. Madden, Mark D. Nelms, Mark T.D. Cronin

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*Dimosthenis Sarigiannis, Krystalia Papadaki, Periklis Kontoroupi, Spyros Karakitsios

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*R. Daniel Benz, Roustem D. Saiakhov, Suman Chakravarti, Alexander Sedykh

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*Mark Cronin, Judith Madden, Claire Mellor, Katarzyna Przybylak, Terry Schultz, Fabian Steinmetz, Andrea-Nicole Richarz

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*Tobias Noeske, Ernst Ahlberg

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*Tobias Noeske, Hongming Chen, Martin Brown

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*Eric Fabian, Katharina Guth, Rene Zbranek, Bennard van Ravenzwaay, Robert Landsiedel

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*Andrei Valeanu, Carmen Purdel, Ines Dima, Denisa Margina, Mihaela Ilie

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*Mark Cronin, Frederic Bois, Elena Fioravanzo, Thorsten Meinl, Daniel Neagu, Andrew Worth, Chihae Yang, Andrea-Nicole Richarz

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*Andrea-Nicole Richarz, Petko Alov, Steven J Enoch, Simona Kovarich, Yang Lan, Thorsten Meinl, Claire Mellor, Daniel Neagu, Alicia Paini, Anna Palczewska, Jose Vicente Sala Benito, Fabian Steinmetz, Mark TD Cronin

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*Andrea-Nicole Richarz, Steven J Enoch, Elena Fioravanzo, Simona Kovarich, Judith C Madden, Claire Mellor, Aleksandra Mostrag-Szlichtyng, Anna Palczewska, Katarzyna Przybylak, Fabian Steinmetz, Ivanka Tsakovska, Chihae Yang, Mark TD Cronin

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*Shaoze Shi, Qi Wang

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*Martin Smieško, Angelo Vedani, Max Dobler

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*Claire Ellison, Judith Madden, Mark Cronin, Mark Hewitt

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*Elena Fioravanzo, Chihae Yang, James F. Rathman, Christof H. Schwab, Simona Kovarich, Rossella Ombrato, Lavinia Silvestri

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*Gaurav Jain, Andrew White, Paul Carmichael, Narasimha M Krishnakumar, Nalini Rajeshwara, Kas Subramanian, Sonali Das, Sarah L Cooper, Jayasujatha Vethamanickam, Alistair Middleton, Stephen Glavin, Abhinandan Raghavan

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*Qiang Li, Volker Koch, Udo Jensch, Joachim Schneider-Reigl, Nina Jeliakova, Bruno Hubesch, Reinhard Kreiling

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*Vessela Vitcheva, Aleksandra Mostrag-Szlichtyng, Chihae Yang, Fabian Steinmetz, Mark Cronin

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*Vessela Vitcheva, Aleksandra Mostrag-Szlichtyng, Oliver Sacher, Bruno Bienfait, Cristof H Schwab, Andrea Richarz, Ivanka Tzakovska, Merilin Al Sharif, Ilza Pajeva, Chihae Yang

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*Salma Ismail, Mohammed Salama, Ahmed Loffy, Mohammed Elgamal, Hussien Sheashaa, Mohammed Sobh, Nada Mohy, Eman Abu El-yazid

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EURL ECVAM - Cosmetics Europe prospective validation study of Reconstructed human Tissue-based test methods for serious eye damage/eye irritation testing

*João Barroso, Nathalie Alépée, Thomas Cole, Chantra Eskes, Stuart J. Freeman, Roman Liška, Pauline McNamee, Uwe Pfannenbecker, Astrid A. Reus, Carina M. Rubingh, Michael W. Schaeffer, Valérie Zuang

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*Yishi Huang, Jitka S. Hansen, Søren Thor Larsen, Asger W. Nørgaard, Jorid B. Sørli

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*Bettina Seeger, Frank Klawonn, Pablo Steinberg

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*Harriet Gaskell, Parveen Sharma, Helen Colley, Craig Murdoch, Daniel Antoine, Jean Sathish, Dominic Williams, Steven Webb

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A microfluidic four-organ-chip for interconnected long-term co-culture of human intestine, liver, skin and kidney equivalents

*Ilka Maschmeyer, Alexandra Lorenz, Anja Ramme, Tobias Hasenberg, Katharina Schimek, Juliane Hübner, Roland Lauster, Uwe Marx

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J Ipema, Marianna Gaca, Gary Phillips, *Jim McKim, Jr

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*Radim Vrzal, Saima Imran, Patrizia Ferretti

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Sandra Verstraelen, Els Adriaens, Nathalie Alépée, Agnieszka Drzewiecka, Przemyslaw Fochtman, Katarzyna Gruszka, Robert Guest, Helena Kandarova, Joke Lenoir, Jamin A. Sr. Willoughby, *An Van Rompay

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Assessing skin sensitization in mice and men using non-animal test methods

*Susanne Kolle, Daniel Urbisch, Annette Mehling, Naveed Honarvar, Tzutzy Ramirez Hernandez, Bennard van Ravenzwaay, Robert Landsiedel

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*Detlef Ritter, Jan Knebel

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*Naveed Honarvar, Daniel Urbisch, Annette Mehling, Susanne Kolle, Wera Teubner, Katharina Guth, Bennard van Ravenzwaay, Robert Landsiedel

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*Isabelle GEORGE, Agnès Hagège, Nathalie Herlin, Dominique Vrel, Jérôme Rose, Marcos Sanles, Thierry Orsière, Chiara Uboldi, Christian Grisolia, Bernard Rousseau, Véronique Malard

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Pro-drug activation in dynamic microphysiological fluidic systems interconnecting liver and tumor microtissues

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High-Throughput Microfluidic Platform for culture of 3D Kidney tissue models

*Marianne Vormann, Henriëtte Lanz, Karlijn Wilschut, Remko van Vught, Bas Trietsch, Jos Joore, Paul Vulto

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*Terry Riss, Brad Hook, Sarah Duellman

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Epidermal equivalent assay: A useful tool to predict toxicity and sensitization potential of ingredients used in permanent hair dyes.

*Thalita Boldrin Zanoni, Tatiana Pedrosa, Silvia B.M Barros, Silvya S. Maria-Engler

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*Sharon Munn, Brigitte Landesmann, Malgorzata Nepelska, Anna Price, Alexandra Rolaki, Magdalini Sachana, Clemens Wittwehr, Maurice Whelan

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The time course of particle-induced cell migration correlates with up-regulation of pro-inflammatory cytokines and chemokines

*Götz A Westphal, Isabell Schremmer, Alexander Bryk, Nina Rosenkranz, Weber Daniel, Georg Johnen, Thomas Brüning, Jürgen Bünger

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Characterization of transporter activities in fresh isolated primary hepatocytes of different species by using fluorescent substrates

Anett Ullrich, Jia Jia, *Dieter Runge

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Characterization of stably transfected HEK-293 cells expressing OATPs using fluorescent substances

Jia Jia, Claudia Garve, Markus Keiser, *Dieter Runge, Anett Ullrich

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Single- vs repeated compound-exposure in a 3D *in vitro* human liver fibrosis model

Sofia Leite, Tiffany Roosens, Inge Mannaerts, Adil El Taghdouini, Mustapha Najimi, Etienne Sokal, Fozia Noor, Christophe Chesne, *Leo van Grunsven



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A high content screening (HCS) approach for predicting structural cardiotoxicity using spontaneously beating cardiac 3D microtissues.

*Stephanie Ravenscroft, Caroline Bauch, Heather Woodhouse, Paul Walker

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*Nirali Patel, Kirti Tendulkar, Trupti Desai, Rajendra Nagane, Manish Patel

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Transmembrane potential measurements of 3D cardiac microtissues derived from iPS cardiomyocytes

Victor Zamora Rodriguez, Irina Agarkova, Philippe Beauchamp, Christian Zuppinger, Simon Messner, *Jens M. Kelm, Godfrey Smith

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Validation of the innovative ToxTracker® genotoxicity reporter assay

Mieke Smits, Lydia Jonker, Els Adriaens, *Marc Teunis, Harrie Besselink, Giel Hendriks

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Polyhexamethylene biguanidine induce pulmonary inflammatory responses

*HanSoo Cho, DaYoung Shin, Jungjin kim, Injae Bang, Miho Jeong

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An In Vitro Reconstructed Normal Human Corneal Tissue Model for Corneal Drug Delivery Studies of Ophthalmic Formulations

Yulia Kaluzhny, *Silvia Letasiova, Miriam Kinuthia, Laurence d'Argembeau-Thornton, Victor Karetzky, Patrick Hayden, Mitchell Klausner

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In-depth characterization of 3D human liver microtissues by transcriptomic, proteomic and functional analysis

Simon Messner, Lisa Fredriksson Puigvert, Claudia Escher, Magdalena Bober, Katrin Roessger, *Jens M. Kelm, Wolfgang Moritz, Magnus Ingelman-Sundberg

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*Astrid Noerenberg, Stefan Heinz, Werner Schroth, Thomas Muerdter, Janina Johaenning, Joris Braspenning

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Yulia Kaluzhny, *Helena Kandarova, Laurence d'Argembeau-Thornton, J De Luca, Patrick Hayden, A Hunter, T Truong, Mitchell Klausner

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A novel assay for evaluating wound healing in a full-thickness in vitro human skin model



*Katarina Sebova, Michael A. Bachelor, Mitchell Klausner, Patrick J Hayden, Jonathan Oldach, Gina Stolper, Maxwell Li

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One-Pot Immunotoxicity - Dual Cell System Communication Assays for *in vitro* Assessment of Inflammation

Richards Laura, Pinkerton Elysha, Carolyn Partyka, Kathy Nguyen, *Azam Tayabali

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*Robim M Rodrigues, Joery De Kock, Vera Rogiers, Tamara Vanhaecke

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*Benedetta Montagnini, Jason Ptacek, Marya Liimata, Alison O'Mahony

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Role of epigenetic modifiers on human neonatal mesenchymal stem cells differentiation into hepatocyte-like cells

*Madalena Cipriano, S. P. Camões, Susana Proença, P.F Pinheiro, Rita N. Barcia, Pedro Cruz, Nuno G. Oliveira, Matilde Castro, Joana P. Miranda

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Improvement of mesenchymal stem cell differentiation into hepatocyte-like cells using 3D culture models: Potential *in vitro* alternatives for drug metabolism studies

Madalena Cipriano, Nora Freyer, Fanny Knoespele, Sérgio P Camões, Jorge M Santos, Helder Cruz, Nuno Oliveira, Matilde Castro, Katrin Zeilinger, *Joana P Miranda

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Human hepatic *in vitro* model for studying cholestasis

*Yeda Kaminski, Sebastian Klein, Klaus Biemel, Jan Sennhauser, Fozia Noor

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*Patricio Godoy, Wolfgang Schmidt-Heck, Karthick Natarajan, Baltasar Lucendo-Villarin, Dagmara Szkolnika, Annika Asplund, Petter Bjorquist, Agata Widera, Regina Stoeber, Gisela Campos, Seddik Hammad, Agapios Sachinidis, Georg Damm, Thomas S Weiss, Andreas Nussler, Jane Synnergren, Karolina Edlund, Barbara Küppers-Munther, David Hay, Jan G Hengstler

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STANDARDIZATION OF *IN VITRO* SKIN IRRITATION TEST USING RECONSTRUCTED HUMAN EPIDERMIS TISSUES (RhE MODEL)



Trupti Desai, *Nirali Patel, Kirti Tendulkar, Rajendra Nagane, Manish Patel

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Epidermal equivalent assay: A useful tool to predict toxicity and sensitization potential of ingredients used in permanent hair dyes.

*Thalita Boldrin Zanoni, Tatiana do Nascimento Pedrosa, Silvia B.M Barros, Silvya S. Maria-Engler

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A novel device to simulate exposure scenarios for VOC safety assessment - *in vitro* effects of formaldehyde at regulatory threshold limit concentrations

*Johanna Gostner, Johannes Zeisler, Kathrin Becker, Markus Kleinhapfl, Florian Überall, Stefan Martini

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*Helge Gehrke, Dagmar Lehmeier, Sebastian Stiller, Hana Hofman-Huether

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*Mi-Sook Dong, Ji-Yoon Choi

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*Dipak Patel, Mehul Pandya, *Jigar Rana, Nadeem Khan, Carles Calloll, Manish Patel

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New human intestinal embryonic cell model (HIEC) for toxicity and genotoxicity studies of xenobiotics

Benjamin KOPP, Pierre-Jean FERRON, Valérie FESSARD, Jean-François BEAULIEU, *Ludovic LE HEGARAT

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Faïza Rami, Christine Vignon, Frédéric Gervais, Baptiste Coulon, Alizée Richez, Mylène Valin, *Pramila Singh, Roy Forster

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Sulfated steroids and perfluorinated alkyl acids transactivate the estrogen and androgen receptor

*Christian Bjerregaard-Olesen, Lisbeth Stigaard Kjeldsen, Mandana Ghisari, Eva Bonefeld-Jørgensen

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Cell toxicity and hemolytic potential of an isolated molecule from *Peltophorum dubium* (Spreng)

*Guilherme Antonio Lopes de Oliveira, George Laylson da Silva Oliveira, Luís Mário Rezende Júnior, Juceni Pereira de Lima David, Jorge Maurício David, Rivelilson Mendes de Freitas



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Toxicological validation during the development of new catalytic systems using air / liquid interface cell exposure system

*Yann LANDKOCZ, Margueritta AL ZALLOUHA, Julien BRUNET, Renaud COUSIN, John M. HALKET, Eric GENTY, Dominique COURCOT, Stéphane SIFFERT, Pirouz SHIRALI, Sylvain BILLET

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Generation of a reproducible and stable atmosphere charged of VOC mixture suitable for exposure at air-liquid interface

*Bardet Gaelle , Achard sophie , Desauziers Valérie, Momas Isabelle , Seta Nathalie

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Seyoum Ayehunie, Zachary Stevens, Timothy Landry, Muhammad Tami, Mitchell Klausner, *Patrick Hayden

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Michael Bachelor, Jonathan Oldach, Bridget Breyfolge, Mitchell Klausner, *Patrick Hayden

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LETHAL DOSAGE AND MINIMUM INHIBITORY CONCENTRATION OF THE ITRACONAZOLE FOR OOMYCETE *Saprolegnia* sp IN CONDITIONS *in vitro*

*Silvia Patrícia Carraschi, Mayara Tedesque Galatti, Nathália Garlich, Daniela I. Brayer Pereira, Claudinei da Cruz, Maria José T. Ranzani-Paiva

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An experimental study and multi-compartmental modelling of the distribution in, and elimination from the body of iron oxide nanoparticles deposited in the lower airways during long-term repeated inhalation exposures of rats

*Marina Sutunkova, Ludmila Konysheva, Boris Katsnelson, Larisa Privalova, Vladimir Gurvich, Ekaterina Shishkina, Vladimir Shur, Svetlana Grebenkina, Anna Bukharina

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Influence of polystyrene nanoparticles in inducing cytotoxicity in mice co-injected anti-inflammatory agent, tetracycline or sodium valproate

*Katsuhiko Isoda, Yoshimi Shimizu, Yuichiro Taira, Ikuko Taira, Tetsuji Nishimura, Isao Ishida

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*Katsuhiko Fujita, Shigehisa Endoh, Haruhisa Kato, Naohide Shinohara, Kazumasa Honda

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Hazard determination and ranking of silver nanoparticles by using different mammalian cells and decision tree model

*Ying-Jan Wang, Yi-Kai Lou, Yu-Hsuan Lee, Chun-Wan Chen

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The toxic effect of zirconium oxide nanoparticles in ovary and testis cells.

*Lidia Zapór, Katarzyna Miranowicz-Dzierzawska, Jolanta Skowroń, Maria Wojewódzka

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Silica-coated iron oxide nanoparticles do not induce DNA double strand breaks or aneugenicity in SHSY5Y neuronal cells

*María Sánchez-Flores, Gözde Kiliç, Carla Costa, Natalia Fernández-Bertólez, Solange Costa, Joao Paulo Teixeira, Eduardo Pásaro, Vanessa Valdiglesias, Blanca Laffon

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The influence of food components during artificial digestion on silver nanoparticles and the impact on their cytotoxicity and uptake in Caco-2 cells

Dajana Lichtenstein, Johanna Ebmeyer, Patrick Knappe, Sabine Juling, Linda Böhmert, Sören Selve, Birgit Niemann, *Albert Braeuning, Andreas Thünemann, Alfonso Lampen

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*Carmen Steluta Ciobanu, Alina Mihaela Prodan, Claudiu Turculet, Florin Iordache, Simona Lili-ana Iconaru, Cristina Liana Popa, Monica Luminita Badea, Daniela Predoi

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Antimicrobial activity of zinc doped hydroxyapatite prepared by co-precipitation method

*Cristina Liana Popa, Carmen Steluta Ciobanu, Alina Mihaela Prodan, Claudiu Turculet, Monica Luminita Badea, Daniela Predoi

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*Igor Pujalté, Denis Dieme, Sami Haddad, Michèle Bouchard

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Peeling away the uncertainties of Zinc Oxide nanoparticles' toxicity mechanisms using tissue-like 3D spheroids

*Sing Ling Chia, Chor Yong Tay, Magdiel Ingrid Setyawati, David Tai Wei Leong

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*RODICA GHITA, Simona Liliana Iconaru, Florica Frumosu, Constantin Logofatu, Monica Luminita Badea, Alina Maria Holban

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Sabine Juling, Dajana Lichtenstein, Linda Böhmert, Alicia Niedzwiecka, Sören Selve, Michael Schümann, Andreas Thünemann, *Albert Braeuning, Eberhard Krause, Alfonso Lampen



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Oxidative stress induced by silica-coated iron oxide nanoparticles in SHSY5Y neuronal cells

Gözde KILIÇ, Carla COSTA, Natalia FERNÁNDEZ-BERTÓLEZ, Solange COSTA, *João Paulo TEIXEIRA, Eduardo PÁSARO, Blanca Laffon, Margriet VDZ PARK, Vanessa VALDIGLESIAS

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Lipid nanoparticles as carrier systems for Ivermectin and Methoprene aiming veterinary applications

*Diego Faria Cola, Camila Morais Gonçalves da Silva, Leonardo Fernandes Fraceto

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Effects of multi-walled carbon nanotubes on the pneumonia in respiratory syncytial virus-infected mice.

*Seiko Hashiguchi, Hiroki Yoshida, Toshi Akashi, Akihiko Hirose, Chihiro Sugita, Masahiko Kurokawa, Wataru Watanabe

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Risk assessment of silver nanomaterials in the food industry: regulatory and scientific challenges

*Marie-Charlotte Bernier, Esther Belade, Laurence Gasnot, Asma Harbaz, Sacha Laruelle, Carole Charmeau

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Optimization of mineralization methods of TiO₂ nanoparticles: Determination of titanium levels in rat organ tissues.

*Jerome DEVOY, Emilie BRUN, Anne COSNEFROY, Clémence DISDIER, Mathieu MELCZER, Guillaume ANTOINE, Monique CHALANSONNET, Aloise MABONDZO

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*Magdalena Kowalska, Aneta Wegierek-Ciuk, Marcin Kruszewski, Halina Lisowska, Sylwia Meczynska-Wielgosz, Teresa Iwanenko, Maria Wojewodzka, Anna Lankoff

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Implications of redox activity of CeO₂ nanoparticles for immunological responses *in vitro*

*Susan Dekkers, Jolanda, P Vermeulen, Geert van der Horst, Rory Verhagen, Isabella Römer, Mike Russ, Flemming, R Cassee, Wim, H de Jong, Rob, J Vandebriel

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Early exposure to titanium dioxide nanoparticles caused a decrease in the cytoplasmic catalase activity, inducing lipid peroxidation in the *Saccharomyces cerevisiae*

Joana Capela-Pires, *Rui Ferreira, Isabel Alves-Pereira

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Aaron Erdely, *Stuart Tugendreich, Sohela Shah, ML Kashon, RR Mercer, PC Zeidler-Erdely

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Antiretroviral-loaded nanoparticle-in-vaginal film systems for preventing HIV transmission: Safety and Toxicity

Alexandra Machado, Cassilda Reis, *Vitor Seabra, José das Neves, Bruno Sarmento

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Hybrid nanoparticles for photodynamic and targeted cancer therapy: cytotoxicity studies

C. O. Silva, J. P. Coelho, P. Vieira, J. Lopes, *João Guilherme Costa, Ana Sofia Fernandes, R. Gomes, A. Gabriel, Patrícia Rijo, J. Molpeceres, Catarina Pinto Reis

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HUMIC ACID: A NATURAL ATTENUATOR OF TOXICITY OF SILVER NANOPARTICLES IN ZEBRAFISH EMBRYOS.

*Paolin Rocio Cáceres-Vélez, Maria Luiza Fascineli, Luis Yate, Cesar Koppe Grisolia, Sergio Moya, Ricardo Bentes de Azevedo

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TOXICITY ASSESSMENT OF SILVER NANOPARTICLES IN ZEBRAFISH

*Paolin Rocio Cáceres-Vélez, Maria Luiza Fascineli, Luis Yate, Paulo Souza, Cesar Koppe Grisolia, Sergio Moya, Ricardo Bentes de Azevedo

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Using AOPs to predict Nanoparticle-induced liver toxicity

*Sharon Munn, Kirsten Gerloff, Brigitte Landesmann, Taina Palosaari, Andrew Worth, Maurice Whelan

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Neutrophil depletion increase silica nanoparticle-induced placental cellular damage

*Kazuma Higashisaka, Yuki Iwahara, Itaru Yanagihara, Shigeru Saito, Yasuo Yoshioka, Yasuo Tsutsumi

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The deposition of inhaled manganese nanoparticles in mice organs

*Miroslav Machala, Pavel Kulich, Omar Serý, Bohumil Docekal, Zbynek Vecera, Tomas Zeman, Ivan Misek

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Effect of selected cosmetic ingredients on the in vitro percutaneous absorption of silver nanoparticles

*Maciej Stępnik, Marek Nocuń, Katarzyna Domeradzka, Joanna Roszak, Beata Janasik, Wojciech Wąsowicz, Jarosław Grobelny, Emilia Tomaszewska, Katarzyna Soliwoda, Małgorzata Cieślak, Dorota Puchowicz

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Combined effect of silver nanoparticles and other cosmetic additives on viability of human breast cell lines

*Joanna Roszak, Sylwia Spryszyńska, Anna Smok-Pieniążek, Marek Nocuń, K. Domeradzka, Wojciech Wąsowicz, Jarosław Grobelny, Emilia Tomaszewska, Grzegorz Celichowski, Małgorzata Cieślak, Dorota Puchowicz, Maciej Stępnik

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Safety assessment of poly(methylmethacrylate) nanomaterials for drug delivery: genotoxicity in mammalian cells

*A Bettencourt, DF Graça, A Matos, ISF Ferreira, AJ Almeida, LM Gonçalves, JS Santos, H Louro, MJ Silva

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Changes in activity of biological membranes induced by metal oxide nanoparticles

*Dorota Kondej, Tomasz R. Sosnowski

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***In vitro* toxicological assessment of ultrafine particle emissions (UFP) from a domestic pellet stove using softwood-fir and hardwood-beech.**

*Laura Marabini, Marina Marinovich, Senem Oxgen, Giovanni Lonati, Paola Fermo, Lorenza Corbetta, Laura Cornaghi, Corrado L. Galli

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Neuroendocrine toxicity and immunotoxicity of polymeric nanoparticle poly(ethylene glycol)-*block*-polylactide methyl ether (PEG-*b*-PLA) in juvenile female Wistar rats

*Eva Rollerova, Jana Tulinska, Miroslava Kuricova, Aurelia Liskova, Jevgenij Kovriznych, Ladislava Wsolova, Alzbeta Mlynarcikova, Alexander Kiss, Sona Scsukova

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Yan Zhang, Kathy Nguyen, *Azam Tayabali

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Dissolution of CuO nanoparticles and their *in vitro* toxicity to Caco-2 cells and bacteria *Escherichia coli* depends on CuO ultrasonication protocol

*Olesja Bondarenko, Aleksandr Käkinen, Helen Nurmsoo, Anne Kahru

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Inhibition of multixenobiotic resistance (MXR) transporters by silver nanoparticles and -ions *in vitro* and *in vivo*

Anastasia Georgantzopoulou, *Arno Gutleb, Sébastien Cambier, Tommaso Serchi, Anna Lankoff, Marcin Kruszewski, Yekkuni L. Balachandran, Patrick Grysan, Jean-Nicolas Audinot, Johanna Ziebel, Cédric Guignard, AlberTinka J. Murk

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*Alena Zhornik, Ludmila Baranova, Igor Volotovski

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The joint antibacterial effect of silver nanoparticles and antibiotics

*Haifang Wang, Yan-Wen Wang, Kai Han, Di Wu, Xin Ma, Dong Liu, Huan Tang, Yuanfang Liu, Aoneng Cao

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Effects of selected metal oxide nanoparticles on ovarian steroidogenesis: use of whole ovary culture technique



*Sona Scsukova, Alzbeta Mlynarcikova, Alexander Kiss, Zbynek Vecera, Pavel Mikuska, Eva Rollerova

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Genotoxicity of 2-Mercaptopropionic Acid-Coated Silver Sulfide Quantum Dot

Deniz Özkan Vardar, *Sevtap Aydın, Ibrahim Hoccoğlu, Havva Funda Yağcı Acar, Nursen Basaran

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*Jana Keller, Lan Ma-Hock, Karin Kuettler, Volker Strauss, Sibylle Gröters, Karin Wiench, Wendel Wohlleben, Bennard van Ravenzwaay, Robert Landsiedel

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Non monotonic dose and time response of antimony and copper oxide nanoparticles

*Tiina Titma, Ruth Shimmo

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Solid lipid nanoparticles as carriers for camptothecin delivery to brain tumor using an *in vitro* blood brain barrier model. Toxicity, permeability and inflammatory studies.

*Claudia Marques, Ana Rita Azevedo, Isabel Carvalho, Bárbara Mendes, Marlene Ferreira, Gabriela Moreira, Ana Rita Moreira, Paulo Costa, Bruno Sarmiento, Domingos Ferreira

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The Acute Toxicity of Sunscreen Formulations Containing Titanium Dioxide on Zebrafish Embryos

Miaomiao Zhang, Ming Yang, Cheng Li, Qing Chang, Mingguang Hang, *Xiaoyong Deng, Minghong Wu

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Oxidized multi-walled carbon nanotubes show no sign of cytotoxicity on RAW 264.7 macrophages

Man Luo, *Xiaoyong Deng, Ling Dong, Xizhong Shen

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Assessment of Cytotoxic Effects of Zinc Oxide Nanoparticles in L929 and Vero cells: A Preliminary Study

*Duygu Paslı, Aylin Gürbay

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Distribution of polyacrylic acid-coated iron oxide nanoparticles in the liver and spleen of CD-1 mice and filtration by the respective mononuclear phagocyte systems

*Paula Silva, Diana Couto, Marisa Freitas, Vera Marisa Costa, Renan Campos Chisté, M. Arturo Lopez-Quintela, José Rivas, Paulo Freitas, Félix Carvalho, Eduarda Fernandes

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Toxicity of metallic nanoparticles to algae is mediated by agglomeration and reactive oxygen species formation

*Ville Aruoja, Mariliis Sihtmäe, Anne Kahru



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***In vitro* toxicity screening of silica-coated superparamagnetic iron oxide nanoparticles in glial cells**

*Carla Costa, Fátima Brandão, Maria João Bessa, Solange Costa, Vanessa Valdiglesias, Gozde Kiliç, Natalia Fernández-Bertólez, Eduardo Pásaro, Blanca Laffon, João Paulo Teixeira

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Cell type dependence of Si/SiO₂ quantum dots uptake and toxicity

*Loredana Stanca, Andreea Iren Serban, Anca Dinischiotu

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Size-dependent cytotoxicity of silver nanoparticles in human neutrophils

Tânia Soares, Daniela Ribeiro, Eduarda Fernandes, *Marisa Freitas

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***In vitro* biocompatibility evaluation of Gadolinium-based nanohydrogels**

*Miruna Stan, Cecilia Gheran, Sorina Petrache Voicu, Maïté Callewaert, Marie-Christine Andry, Yamina Belabassi, Françoise Chuburu, Anca Dinischiotu

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*Verónica Bastos, José Miguel P Ferreira de Oliveira, Iola Duarte, Conceição Santos, *Helena Oliveira

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Effects of gold nanoparticles and fluoxetine on marine organisms

*Ângela Barreto, Luis Luis, Tito Trindade, Amadeu Soares, Miguel Oliveira

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High-Throughput Testing of Genotoxicity of engineered Nanomaterials

*Lise Marie Fjellsbø, Elise Rundén-Pran, Naouale El Yamani, Maria Dusinska

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*Qing Li, Maiko Kobayashi, Tomoyuki Kawada

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Caffeine can influence tularemia pathogenesis in a mouse model

*Miroslav Pohanka, Oto Pavlis

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*Emanuela Corsini, Angela Papale, Valentina Galbiati, Marina Marinovich, Corrado L. Galli

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In vitro assessment of the proinflammatory effects of biomass combustion generated ultrafine particles (UFP)



Corrado L. Galli, Valentina Galbiati, Marina Marinovich, Senem Ozgen, Giovanni Lonati, Paola Fermo, Lorenza Corbella, *Emanuela Corsini

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Aggravation of local immune responses caused by the chemical skin penetration enhancer oleic acid

*Berit Granum, Bodil Hasseltvedt, Else-Carin Groeng, Ellen Namork

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The mycotoxin alternariol induces DNA damage and differentiation of primary human macrophages

*Anita Solhuag, Wisbech Cathrine, Trine E Christoffersen, Tor Lea, Gunnar S Eriksen, Jørn A Holme

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Nrf2 controls skin inflammation provoked by chemical allergens regardless of the chemical reactivity of contact sensitizers

Zeina El Ali, Cédric Gerbeix, Nick Pearson, Roy Forster, Marc Pallardy, *Saadia Kerdine-Römer

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Multiplex measurement of human immunology biomarkers and their association with serum DDE in children

*Antonio Hernández-Jerez, David Lozano, Miguel Rodríguez-Barranco, Beatriz González-Alzaga, Clemente Aguilar-Garduño, Marina Lacasaña

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An *in vitro* approach for evaluating the immunotoxic potential of Cannabidiol

*Paula Zwicker, Nadin Schultze, Sarah Niehs, Karen Methling, Martina Wurster, Jörg Bernhardt, Malgorzata Drwal, Janette Nickel, Mathias Dunkel, Gerhild Wachlin, Michael Lalk, Robert Preissner, Ulrike Lindequist, Beate Haertel

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Evaluation of the immunotoxic potential of Tulipalin A by a combination of functional *in-vitro* investigations and omics analyses

*Nadin Schultze, Paula Zwicker, Sarah Niehs, Karen Methling, Martina Wurster, Jörg Bernhardt, Malgorzata Drwa, Janette Nickel, Mathias Dunkel, Gerhild Wachlin, Michael Lalk, Robert Preissner, Ulrike Lindequist, Beate Haertel

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Cytotoxic effect of Methylisothiazolinone humidifier disinfectants in Raw 264.7 Cells

*Bokim Cho, Jehein Kim, Bokyoung Kim, Taekil Tak, Jeongdoo Heo

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Evaluation of the macrophages functional assay from different sources: peritoneal macrophages, peripheral blood monocytes, and RAW 264.7 cells

Na-Hyun Kim, Seon-Min Lee, Ju-Hong Lee, Kwang-Dong Kim, *Jeong-Doo Heo

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Activation of the endoperoxide ascaridole modulates its sensitizing capacity



*Nora L. Krutz, Jennifer Hennen, Corinna Korb, Mario T. Schellenberger, G. Frank Gerberick, Brunhilde Blömeke

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Immunomodulatory effect of occupational exposure to synthetic pyrethroids.

*Chiara Costa, Silvia Gangemi, Caterina Ledda, Irene Polito, Venerando Rapisarda, Concettina Fenga

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Innate immunity response to selected cyanobacterial peptides

*Zdena Moosova, Ondrej Adamovsky, Michaela Pekarova, Lenka Svihalkova Sindlerova, Lukas Kubala, Ludek Blaha

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GENETIC POLYMORPHISMS IN THE CYTOKINE GENES AND RISK OF TYPE 2 DIABETES AND ITS COMPLICATIONS IN A GROUP OF TURKISH POPULATION

*Asuman Karakaya, Ilker Ates, Aysegul Güvenç, Durdu Altuner

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Assessment of sensitization and photosensitization of avobenzone based on DPRA

*Carolina Benevenuto, Lorena Gaspar

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The chemical sensitizer nickel sulfate triggers the production of interleukin(IL)-23 by human dendritic cells: involvement of p38MAPK and NF-κB pathways.

*Rami Bechara, Diane Antonios, Hayat Azouri, Marc Pallardy

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CHARACTERIZATION OF NAIVE T-CELL RESPONSE SPECIFIC TO PENICILLIN: IMPLICATION IN DRUG-ALLERGY

Marie Eliane Azoury, Noémie Scornet*, Sandrine Delarue-Cochin, Cathy Nhim, Bernard Maillere, Richard Weaver, Nancy Claude, Delphine Joseph, Marc Pallardy

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Complement component 1q in glucotoxicity

*Ayse Basak Engin, Resul Karakus

P09-022

Determination of contact sensitization potential of chemicals using in vitro reconstructed normal human epidermal model EpiDerm: impact of the modality of application

*Silvia Letasiova, Valentina Galbiati, Helena Kandarova, Emanuela Corsini

P09-023

Interactions between microbial toxins and structural components from moisture-damaged buildings modify inflammatory responses of macrophages

*Merja Korkalainen, Arja Moilanen, Martin Täubel, Pirkka Kirjavainen, Anne Hyvärinen, Hannu Komulainen, Matti Viluksela

P09-025

Host cell chaperone proteins and aggregation : impact on protein immunogenicity



*Rebecca Dearman, Kirsty Ratjani, Jeremy Derrick, Robin Thorpe, Meenu Wadhwa, Ian Kimber

P09-027

Immunomodulatory effects of the aqueous extract of *Crocus sativus* stigmas in BALB/c mice

*Ramin Rezaee, Aristeidis Tsatsakis, Manolis Tzatzarakis, Houshang Rafatpanah, Mahmoud Mahmoudi, Bamdad Riahi

POSTER SESSION II (TUESDAY)

P10-Omics Technologies

P10-001

RNA-Seq and Microarray Gene Expression Vie for Toxicogenomics Superiority

Weida Tong

P10-002

Influence of MRP1 G1666A and GSTP1 Ile105Val genetic variants on the urinary and blood arsenic levels of Turkish smelter workers

*Dilek Kaya-Akyüzlü, Zeliha Kayaaltı, Tülin Söylemezoğlu

P10-003

Does MRP2 G4544A and GSTP1 Ile105Val polymorphisms have an effect on urinary and blood arsenic levels?

*Dilek Kaya-Akyüzlü, Zeliha Kayaaltı, Tülin Söylemezoğlu

P10-004

Effect of EPHX1 His139Arg polymorphism on lymphocyte DNA damage associated to arsenic exposure

Dilek Kaya-Akyüzlü, *Zeliha Kayaaltı, Esma Söylemez, Tülin Söylemezoğlu

P10-005

IS MDR1 C1236T POLYMORPHISM ASSOCIATED WITH THALASSEMIA?

Zeliha Kayaaltı, *Dilek Kaya-Akyüzlü, Fezile Özdemir, Derya Söylemez-Gökçer, Tülin Söylemezoğlu

P10-006

Distribution of Glucose Transporter Protein 1 (GLUT1) A2841T Polymorphism in Turkish Population

Fezile Özdemir, *Dilek Kaya-Akyüzlü, Zeliha Kayaaltı, Tülin Söylemezoğlu

P10-007

Thalassemia is associated with transferrin -576G/A and 3296G>A gene polymorphisms

*Zeliha Kayaaltı, Dilek Kaya-Akyüzlü, Tülin Söylemezoğlu

P10-008

High-throughput, quantitative assessment of the effects of low-dose silica nanoparticles on lung cells: grasping complex toxicity with a great depth of field



*Cédric Pisani, Jean-Charles Gaillard, Virginie Nouvel, Michaël Odorico, Jean Armengaud, *Odette Prat

P10-009

Metabolome differences in pregnancy and lactation compared to non-pregnant Wistar rats

Gina Montoya, Volker Strauss, *Hennicke Kamp, Eric Fabian, Michael Herold, Gerhard Krennrich, Ralf Looser, Werner Mellert, Erik Peter, Michael Spitzer, Tilmann Walk, Bennard van Ravenzwaay

P10-010

Unravelling the Exposome through integrated exposure biology

Dimosthenis Sarigiannis

P10-011

Percellome Toxicogenomics for Mechanistic Analysis Towards Chronic Toxicity by a Newly Designed Repeated Dose Study

*Jun Kanno, Satoshi Kitajima, Ken-ichi Aisaki

P10-012

Omics technologies for the prediction of immunomodulatory effects

*Paula Zwicker, Nadin Schultze, Sarah Niehs, Karen Methling, Martina Wurster, Jörg Bernhardt, Gerhild Wachlin, Michael Lalk, Robert Preissner, Ulrike Lindequist, Beate Haertel

P10-013

Metabolomics analysis of the toxicity mechanisms of triphenyl phosphate and acetaminophen in HepaRG cells

Nele Van den Eede, *Matthias Cuykx, Robim M Rodrigues, Kris Laukens, Hugo Neels, Tamar Vanhaecke, Adrian Covaci

P10-014

A chronic L-carnitine administration does not induce major changes in the plasma metabolome of male F-344 rats

*Michael T. Empl, Christoph H. Weinert, Ralf Krüger, Lara Frommherz, Björn Egert, Alexander Roth, Pablo Steinberg, Sabine E. Kulling

P10-015

Identification of novel mechanistic biomarkers of nephrotoxicity by proteomics and phosphoproteomics

*Alice Limonciel, Laxmikanth Kollipara, René P. Zahedi, Albert Sickmann, Paul Jennings

P10-016

Development of an analytical method with PFBHA derivatization followed by headspace SPME-GC/MS for the determination of urinary volatile carbonyl metabolites in patients with prostate cancer

*Isabel Calejo, Nathalie Moreira, Ana Margarida Araújo, Márcia Carvalho, Catarina Moreira-Barbosa, Carmen Jerónimo, Rui Henrique, Maria Lourdes Bastos, Paula Guedes de Pinho

P10-017

Volatile biomarkers of cisplatin-induced toxicity in vitro

*Rianne Fijten, Agnieszka Smolinska, Agnes Boots, Jan Dallinga, Frederik-Jan van Schooten



P10-018

Transcriptome profiling reveals allergy associated gene expression in human bronchial epithelial cells and dendritic cells exposed to diesel exhaust particulate chemicals.

Sameirah Macchiarulo, Timothy Gant, *Martin Leonard

P10-019

Exploratory urinary metabolomic profiling of Renal Cell Carcinoma using ¹H NMR spectroscopy and multivariate analysis

*Márcia Monteiro, António S. Barros, Márcia Carvalho, Ana S. Pires-Luís, Carmen Jerónimo, Rui Henrique, Bastos Maria de Lourdes, Ana Gil, Paula Guedes de Pinho

P10-020

Influence of blood sampling techniques on MS-based metabolic profiles in rats

*Bjoern Riefke, Lisette Leonhard, Sandra Gonzales Moldano, Hennicke Kamp, Oliver Schmitz, Tilmann Walk, Jochen Methner, Thomas Steger-Hartmann

P10-021

Hippocampal DNA methylation in rat cocaine self-administration model

*Anna Sadakierska-Chudy, Małgorzata Frankowska, Joanna Jastrzębska, Karolina Wydra, Joanna Miszkiel, Małgorzata Filip

P10-022

Is thalassemia associated with MnSOD Ala16Val polymorphism in Turkish population?

Fatih Oztürk, Fezile Özdemir, Dilek Kaya-Akyüzlü, *Zeliha Kayaalti, Aslihan Avcı, Tülin Söylemezoğlu

P10-023

Effects of cocaine extinction training on the rat hippocampal transcriptome

Anna Sadakierska-Chudy, Małgorzata Frankowska, Joanna Jastrzębska, Karolina Wydra, Joanna Miszkiel, Edmund Przegalinski, *Małgorzata Filip

P10-024

Phospholipidomic profile variation on dendritic-like cells exposed to skin or respiratory sensitizers and respiratory irritant

*João D. Martins, Elisabete A. Maciel, Ana Silva, Pedro Domingues, Bruno M. Neves, M. Teresa Cruz, M. Rosário Domingues

P10-025

Vitreous humour: targeted metabolomics by FT-ICR-MS

*Júlio César Santos Júnior, Carla Giane Loss, Pedro Carlos Mollo Filho, Ruggero Bernardo Felice Guidugli, Eduardo Morgado Schmidt, Marcos Albieri Pudenzi, Marcos Nogueira Eberlin, Nelci Fenalti Höehr

P10-026

Optimization of LC-QTOF MS parameters for the coverage of the *in vitro* HepaRG metabolome

*Matthias Cuykx, Nele Van den Eede, Wout Bittremieux, Kris Laukens, Freddy Dardenne, Ronny Blust, Adrian Covaci

P11-Carcinogenesis



P11-003

The Role of α 9-nicotinic Receptor Expression in Smoking-induced Breast Cancer Formation and its Prevention

*Yuan-Soon Ho

P11-004

Mycotoxin ochratoxin A decreases cytochrome P450-mediated detoxication of carcinogenic aristolochic acid thereby increases its genotoxic potential in rats *in vivo*

*Frantisek Barta, Katerina Levova, Petr Hodek, Eva Frei, Volker M. Arlt, Heinz H. Schmeiser, Marie Stiborova

P11-005

The role of the serotonergic system in the regulation of cytochrome P450 during hepatocarcinogenesis

Marta Kot

P11-006

The observed increasing effects of a high fat diet during the intrauterine and nursing periods on obesity and intestinal tumorigenesis in *Min/+* mice as adults were not inherited transgenerationally

Inger-Lise Steffensen

P11-008

Potent anti-cancer effect of 3'-hydroxypterostilbene in human colon xenograft tumors

*Min-Hsiung Pan, Yuan-Soon Ho, Chi-Tang Ho

P11-010

DETERMINATION OF GENOTOXIC EFFECTS OF STANZOLOL IN RATS

*Buket Alpertunga, Mehtap Kara, Eren Özçaglı, Persa Fragkiadaki, Aristides Tsatsakis

P11-011

NADPH- and NADH-dependent formation of DNA adducts by benzo[a]pyrene catalyzed with cytochrome P450 1A1

*Michaela Moserova, Radek Indra, Jan Milichovsky, Eva Frei, Heinz H. Schmeiser, Volker M. Arlt, Marie Stiborova

P11-012

Influence of the addition of p-coumaric acid and benzophenone-4 on the photodegradation, photogenotoxicity and phototoxicity of three selected fluoroquinolones

*Anna Zgadzaj, Anita Jastrzębska, Joanna Kornacka, Grzegorz Nałęcz-Jawecki

P11-013

EVALUATION OF DOSES IN THE 26 WEEK Tg.rasH2 MICE CARCINOGENICITY STUDIES

*Reem Elbekai, Madhav Paranjpe

P11-014

Cytotoxicity screening of *Plectranthus* spp. extracts and individual components in MDA-MB-231 cells

Diogo Matias, M. Nicolai, *João Guilherme Costa, Nuno Saraiva, Ana Sofia Fernandes, M. F. Simões, A. M. Diaz-Lanza, Catarina Pinto Reis, Patrícia Rijo



P11-016

The effects of a high-fat diet on *in vivo* mutagenicity induced by heterocyclic amines in the colon of *gpt* delta rats

*Shinji Takasu, Yuji Ishii, Aki Kijima, Yuh Yokoo, Takuma Tsuchiya, Takehiko Nohmi, Akiyoshi Nishikawa, Takashi Umemura

P11-017

Evaluation of cytotoxicity of new cantharimide derivatives on human colon cancer cell line HT-29

Aysun KILIÇ SÜLOĞLU, *Ozge Nur KANAT, Gözde GİRĞİN, Yunus KARA, Güldeniz SELMANOĞLU, Terken BAYDAR

P11-018

Imatinib Monitoring in Chronic Myeloid Leukemia Patients

Pelin Kılıç, *Zeliha Kayaaltı, Mehmet Gündüz, Günhan Gürman, Tülin Söylemezoğlu

P11-020

Impact of the SOD mimic MnTnHex-2-PyP on the adhesion and migration of doxorubicin-treated MDA-MB-231 cells

*Ana Flórido, Nuno Saraiva, Sara Cerqueira, Ines Batinic-Haberle, Susana Proença, Joana Miranda, Matilde Castro, Nuno G. Oliveira, Ana S. Fernandes

P11-022

Microscopy methods to investigate transmigration routes of tumor cells through blood-brain barrier

*Hildegard Herman, Imola Wilhelm, Csilla Fazakas, Ciprian Valentin Mihali, Anca Hermenean, Istvan Krizbai

P11-023

Targeting APE1 redox function with E3330: effects on the migration of MDA-MB-231 cells

*Patrícia S. Guerreiro, Eduardo Corvacho, Joana P. Miranda, João G. Costa, Ana S. Fernandes, Matilde Castro, Nuno G. Oliveira

P11-024

Application of the Bhas 42 Cell Transformation Assay to the Assessment of Novel Tobacco Products

*Damien Breheny, Oluwatobiloba Oke, Oscar M. Camacho, Kamala Pant, Shannon W. Bruce, Michelle K. LaForce, Natasha Celestin

P11-025

Oral Decitabine Loaded PLGA Nanoparticles Combined With Docetaxel Suppress Mammary Carcinoma Induced by DMBA in Sprague Dawley Rats

*Prateek Jain, Sanchari Basu Mallik, Ankita D Chonkar, Mradul Tiwari, K Nitesh, Josyula Venkata Rao, N Udupa

P11-026

Characterisation of β -catenin complexes by co-immunoprecipitation and high output Western blotting in different cell lines.

*Ragna S. Haeussler, Fridolin Treindl, Michael Schwarz, Markus F. Templin



P11-027

Evaluation of carcinogenicity of urban particulate matter SRM1648a by cell transformation assay

*HanSoo Cho, DaYoung Shin, Jungjin Kim, Miho Jeong, Injae Bang

P11-028

Role of GV1001 on Benign Prostatic Hyperplasia in Sprague-Dawley Rats

*Ji Hyun Cheon, Hyung Sik Kim

P11-029

Contribution of cell proliferation possibly due to inactivation of protein phosphatase 2A to gene mutations induced by estragole

*Yuji Ishii, Ken Kuroda, Shinji Takasu, Yuh Yokoo, Takuma Tsuchiya, Aki Kijima, Takehiko Nohmi, Kumiko Ogawa, Takashi Umemura

P11-030

Cytotoxicity of the Serotonergic Drug 1-(1-naphthyl)piperazine in Human MNT-1 Melanoma Cells

*Ana Catarina Menezes, José Miguel P. Ferreira de Oliveira, Manuela Carvalheiro, Helena Oliveira, Andreia Ascenso

P11-031

Hepatic distribution of GST cannot explain the gap between humans and rodents for induction of cholangiocarcinoma following exposure to dichloropropane

*Lingyi Zhang, Cai Zong, Sahoko Ichihara, Hisao Naito, Shinya Toyokuni, Shinji Kumagai, Gaku Ichihara

P11-032

Expressions of metastasis-related genes appeared to be altered by treatment with fenhexamid and cyprodinil in an ovarian cancer cell model

Ryeo-Eun Go, *Kyung-Chul Choi

P11-033

Gene expression of cytochrome P4501A1 was involved in the alteration of cell function by dioxin via estrogen receptor in cellular and xenografted ovarian cancer models

Ryeo-Eun Go, Moo-Yeol Lee, *Kyung-Chul Choi

P11-034

Bisphenol A-induced epithelial-mesenchymal transition and migratory capacity was inhibited by a novel phytoestrogen, genistein, in an ovarian cancer cell model

Kyung-A Hwang, *Kyung-Chul Choi

P11-035

Triclosan-induced breast cancer cell growth was suppressed by antitumor effect of kaempferol, a phytoestrogen, in breast cancer cell models via an estrogen receptor signaling pathway

Kyung-A Hwang, *Kyung-Chul Choi

P11-036



Ovarian cancer cell growth was induced by lambda-cyhalothrin and cypermethrin in *in vitro* model of ovarian cancer via an estrogen receptor-dependent pathway

Cho-Won Kim, *Kyung-Chul Choi

P11-037

Exploring AOP's and biomarkers of carcinogenesis in rats using laser dissection targeted (LDT) microarray profiling and pathways analysis

*Simon Plummer, Mariana Beltran, Mike Millar, Richard Currie, Jayne Wright

P11-038

Phytochemical, antioxidant and mitochondrial permeability transition analysis of fruit skin ethanolic extract of *Annona muricata* Linn. (Soursop).

*Wisdom Iyanda-Joel, Oluwatobi Adegbite, Olusayo Ajetonmobi, Shalom Chinedu, Emeka Iweala, Solomon Rotimi

P11-039

The Placenta in Toxicology: Observed Effects of Breast Cancer Treatment

*Karolin Fröhlich, Julia Heger, Sarah Avemarg, Andre Schmidt, Udo R. Markert

P11-040

Evaluation of Cytotoxicity and Inhibitory Effects of cervical cancer treatment in 2D and 3D cell culture models

*Julia Heger, Karolin Fröhlich, Andre Schmidt, Udo R. Markert

P11-041

Glycidamine- a carcinogenic and a cancer promoter agent - hepatic *in vitro* model

*Carolina Nunes, Catarina Charneira, Alexandra Antunes, Jacinta Serpa

P11-042

Dioxin-like activity and intracellular ROS induced by the combined serum dioxin-like compounds in breast cancer cases

*Maria Wielsøe, Eva C. Bonefeld-Jørgensen

P12-Organ Toxicities

P12-001

Identification of Possible Biomarker Genes for Drug-induced Liver Injury using Chimeric PXB-Mouse® with Highly Humanized Liver

*Hatsune Enomoto, Hidehisa Tachiki, Takashi Shimada, Shin-Ichiro Nagatsuka, Mikiro Nakashima

P12-003

In vitro and in vivo hepatoprotective effects of Tetrapleura tetraptera extract against CCl4 induced toxicity in rats model and its antioxidant property

*Moukette Moukette Bruno, Peter Saague, Pieme Constant Anatole, Biapa Nya Prosper Cabral, Njimou Jacques Romain, Ama Moor Vicky Joseline, Marco Stoller, Marco Bravi, Ngogang Jeanne

P12-006

Chronological Monitoring of miR-122 is Sensitive and Essential for Pathologic Reflection of Hepatobiliary Toxicity *in vivo* and *in vitro*



*Hiroko Hitotsumachi, Mitsuhiro Fujieda, Masahiro Yamaguchi, Kenji Moriyama, Kazuhiko Besshi, Fumio Morita, Kazuo Hakoi

P12-008

An Ultrasound-Guided Liver Biopsy Technique in Cynomolgus Monkeys

*Sue McPherson, Wang Lei, Charlie Barker

P12-009

Effects of rosmarinic acid on oxidative stress parameters in livers and kidneys of sepsis induced wistar albino rats

Merve Bacanlı, Sevtap Aydin, Gokce Taner, Hatice Gul Goktas, Tolga Sahin, Ahmet Basaran, *Nursen Basaran

P12-010

Detecting mRNA predictors of acetaminophen-induced hepatotoxicity in mouse blood using quantitative real-time PCR

*Syu-ichi Kanno, Ayako Tomizawa, Shin Yomogida

P12-011

Prenatal or postnatal methamphetamine exposure impairs neonatal development and behaviour in rat offspring

*Kate McDonnell-Dowling, John P. Kelly

P12-012

DOES MATERNAL MDR1 C1236T POLYMORPHISM HAVE AN EFFECT ON PLACENTAL ARSENIC LEVELS?

*Zeliha Kayaaltı, Dilek Kaya-Akyüzlü, Derya Doğan, Tülin Söylemezoğlu

P12-013

Comparison of three different *in vitro* models for the evaluation of the hepatotoxicity of piperazine designer drugs

*Marcelo Arbo, Diana Dias da Silva, Maria João Valente, Maria de Lurdes Bastos, Helena Carmo

P12-014

A study of the relationship between air pollutants and mortality due to cardiovascular diseases in Mashhad

Fahimeh Tanjah, *AliAkbar Malekirad, Gholamhassan Vaezi

P12-015

Adipose Tissue and Metabolic Homeostasis in Fischer F344 Rats, Exposed to Developmental Low Doses of Bisphenol A, are Affected in a Gender Specific and Non-Monotonic Manner

*Margareta Halin Lejonklou, Linda Dunder, Emelie Bladin, Monika Rönn, Ulf Risérus, P Monica Lind, Tomas Waldén

P12-016

Antioxidant effects of UMCA® on acrylamide induced toxicity in rats

*Sezgin Aydemir, Hulya Sahin, Naziye Ozkan, Meral Yuksel, Nusret Erdogan, Gulden Z. Omurtag

P12-017



Toxicokinetics and tissue distribution of titanium after administration of single and multiple doses in rats

*Magdalena Golasik, Tadeusz Librowski, Magdalena Olbert, Barbara Nowak, Małgorzata Herman, Wojciech Piekoszewski

P12-018

The creation of historical control of hematological parameters of peripheral blood Wistar Han rats

*Tetiana Usenko, Georgiy Prodanchuk, Valentina Shulyak, Olexander Tkachuk

P12-019

Developmental Low-dose Exposure to Bisphenol A Results in Gender-Specific and Non-monotonic Effects on Fischer F344 Rat Bone

*Margareta Halin Lejonklou, Thomas Lind, Annica Rasmusson, Sune Larsson, Håkan Melhus, P Monica Lind

P12-020

PREVENTION OF AMINOGLYCOSIDE NEPHROTOXICITY, A SYSTEMATIC REVIEW AND META-ANALYSIS OF PRECLINICAL STUDIES.

*Laura Vicente Vicente, Alfredo G. Casanova, Moises Pescador, Marta Prieto, María Teresa Hernández Sánchez, Francisco J López Hernández, Ana Isabel Morales

P12-021

PREDISPOSITION TO ACUTE KIDNEY INJURY INDUCED BY REPEATED DOSES OF CONTRAST MEDIA

*María Teresa Hernández Sánchez, Laura Vicente Vicente, Alfredo Ginés Casanova, Marta Prieto, Francisco J López Hernández, Ana Isabel Morales

P12-022

ANALYSIS OF THE CORRELATION BETWEEN THE ANTIOXIDANT ACTIVITY AND THE NEPHROPROTECTIVE EFFECT OF COMPOUNDS TESTED AGAINST AMINOGLYCOSIDE NEPHROTOXICITY

*Alfredo Ginés Casanova, Laura Vicente Vicente, Moisés Pescador, Marta Prieto, María Teresa Hernández Sánchez, Francisco J López Hernández, Ana Isabel Morales

P12-024

EFFECTS OF STANOZOLOL ON APOPTOSIS MECHANISMS

Mehtap Kara, Tuğba Kotil, Manolis Tzatzarakis, *Eren Özçağlı, Aristides Tsatsakis, Buket Alpertunga

P12-025

Hepatotoxic effects of cyproconazole and prochloraz in mice with human CAR and PXR

Philip Marx-Stoelting, Katrin Ganzenberg, Flavia Schmidt, Svenja Rieke, *Albert Braeuning

P12-027

Disturbance of gene expression in primary human hepatocytes by hepatotoxic pyrrolizidine alkaloids: a whole genome transcriptome analysis

Claudia Luckert, Dido Lenze, *Albert Braeuning, Alfonso Lampen, *Stefanie Hessel

P12-028



Induction of signaling pathways by different doses of flavonoid quercetin in human primary hepatocytes

Julia Waizenegger, Dido Lenze, Claudia Luckert, *Albert Braeuning, Albrecht Seidel, Alfonso Lampen, *Stefanie Hessel

P12-029

SUBTOXIC DOSES OF CALCINEURIN INHIBITORS INDUCE PREDISPOSITION TO ACUTE KIDNEY INJURY

*Marta Prieto, Alfredo G. Casanova, M. Teresa Hernández-Sánchez, Laura Vicente-Vicente, Moisés Pescador, Francisco J. López-Hernández, Ana I. Morales

P12-030

Repeated exposure to acetaminophen can lead to liver fibrosis in mice.

*Tiffany Roosens, Sofia Batista Leite, Leo A. van Grunsven

P12-031

New Technique for Intrathecal Administration in the Dog: Assessment of Systemic and Neurological Endpoints

*Monica Longo, Francesco Carù, Domenica Lamparelli, Micaela Russo, Elisa Silvestre

P12-032

Standardized Rat and Human Microislets for Diabetes Research and Drug Safety Assessment

Richard Prazak, Irina Agarkova, Katrin Roessger, *Jens M. Kelm, Simon Messner, Wolfgang Moritz

P12-033

Histopathological and ultrastructural liver changes accompanied by biochemical alterations in the plasma of whitefish (*Coregonus lavaretus*, L.) after long-term exposure to microcystin-LR

*Maciej Woźny, Bogdan Lewczuk, Natalia Ziółkowska, Piotr Gomułka, Stefan Dobosz, Maciej Florczyk, Paweł Brzuzan

P12-034

Cardiovascular studies in mouse, rat, dog and monkey show no clinically relevant effects of the DPPIV inhibitor saxagliptin

*Martin Billger, Kristina Chadwick, Ann-Marie Bergholm, David Smith

P12-035

Is hyperthermia the triggering factor for hepatotoxicity induced by 'bath salts'? An *in vitro* study using primary cultured rat hepatocytes.

*Maria João Valente, Ana Margarida Araújo, Renata Silva, Maria de Lourdes Bastos, Félix Carvalho, Paula Guedes de Pinho, Márcia Carvalho

P12-036

Prenatal exposure to methylated arsenicals enhances atherosclerosis in the ApoE^{-/-} mouse model

*Luis Fernando Negro Silva, Maryse Lemaire, Dany Plourde, Catherine A. Lemarié, Stéphanie Lehoux, Koren Mann



P12-037

Establishment of an olfactory-based spatial learning test for preweaning mice and the effects of early exposure to diesel exhaust origin secondary organic aerosol

*Tin-Tin Win-Shwe, Chaw Kyi-Tha-Thu, Yadanar Moe, Yuji Fujitani, Shinji Tsukahara, Hiroshi Nitta, Seishiro Hirano

P12-038

Immunohistochemical analysis of γ H2AX, a biomarker for DNA double-strand breaks, in the liver of genotoxic carcinogen-treated mice.

*Masayoshi Abe, Soichiro Hagio, Naho Tsuji, Yusuke Kuroda, Seigo Hayashi, Satoshi Furukawa

P12-039

New experimental approach for therapy of organophosphorus-induced neurotoxic effects

*Cristina Anca Secara, Bogdan Patrinci, Mihail Silviu Tudosie, Florin Nicolaie Taina, Gina Caragea, Diana Popescu, Victor A. Voicu

P12-040

High throughput in vitro system for nephrotoxicity testing

*Rene Pretot, Anna Weston, Irene Wegner, Martijn J. Wilmer, Tom T.G. Nieskesn, Paul Vulto, Jos Joore, Henriette Lanz, Roos Masereeuw, *Laura Suter-Dick

P12-041

Impaired mitochondrial function in HepG2 cells treated with hydroxy-cobalamin[c-lactam] : a cell model suitable for idiosyncratic mitochondrial toxicity.

Patrizia Haegler, David Grünig, Benjamin Berger, Stephan Krähenbühl, *Bouitbir Jamal

P12-042

Cell-based hepatotoxicity-testing of systemic antimycotics

*Sandra Doß, Heike Potschka, Fanny Doß, Steffen Mitzner, Martin Sauer

P12-044

Ocular effects in rat after the peri-natal administration of bindarit, a MCP-1/CCL2 chemokine inhibitor

*Carolina Devastato, *Carla Landolfi, Lucia Durando, Daniele La Porta, Angelo Guglielmotti, Abraham Nyska, Erminio Giavini, Alberto Campana, Serena Tongiani

P12-045

Lead levels of kidney cortex and medulla in autopsy samples

*Enes Arica, Zeliha Kayaaltı, Dilek Kaya-Akyüzlü, Eyyüp Yılmaz, Tülin Söylemezoğlu

P12-046

Ochratoxin A stimulates citrinin accumulation in rat kidney and liver

*Dubravka Rašić, Srđan Stefanović, Dragan Milićević, Maja Peraica

P12-048

Reversal of liver fibrosis by targeting TGF- β signaling pathway

*Cornel Balta, Hildegard Herman, Ionela Gasca, Aurel Ardelean, Anca Hermenean

P12-049

Hepatotoxicity of tyrosine kinase inhibitors



*Franziska Paech, Jamal Bouitbir, Stephan Krähenbühl

P12-050

Hepatic oxidative stress induced by methylnone and MDPV: a comparison to MDMA

Maria João Valente, Ana Margarida Araújo, Renata Silva, Maria de Lourdes Bastos, Félix Carvalho, Paula Guedes de Pinho, *Márcia Carvalho

P12-051

***In vivo* viability of chemically modified erythrocytes after transfusion in rats**

*Jaroslav Mráz, Igor Linhart, Iveta Hanzlíková, Šárka Dušková, Ludmila Dabrowská, Hana Chrástková, Radka Vajtrová, Petra Alánová

P12-052

Polyhexamethylene biguanide (PHMB) induce ROS generation and inflammatory response in human A549 lung adenocarcinoma cell line

*Da Young Shin, Ha Ryong Kim, Han Soo Cho, Jung Jin Kim, In Jae Bang, Mi Ho Jeong, Kyu Hyuck Chung

P12-054

Correlation of total and free thyroid hormones in rats after subacute exposure to decabrominated diphenyl ether

Vesna Milovanovic, Aleksandra Buha, Vesna Matovic, Marijana Curcic, Slavica Vucinic, *Biljana Antonijevic

P12-055

Experimental asthma model on mice for short-term exposure to chlorine gas

*Mia Johansson, Åsa Gustafsson, Gunnar Johanson, Mattias Öberg

P12-056

Pathological changes in the stomach of rats after treatment with yellow phosphorus

Nazarbek Zhumanazarov, *Akziya Zhumabayeva, Samat Doszhanov, Dinara Sissenbina

P12-057

Mitoxantrone elicits oxidative stress and proteomic changes in HL-1 cardiomyocytes at clinically relevant doses

*Vera Marisa Costa, João Paulo Capela, Célia M. Silveira, Rute P. Eleutério, Patrícia R.S. Rodrigues, Maria de Lourdes Bastos, José Alberto Duarte, Fernando Remião, M. Gabriela Almeida, Félix Carvalho

P12-059

Transgenerational Epigenetic Effects of Bisphenol-A on Adult Onset Disease

*ji hyun cheon, Min Seong Kim, Hyung Sik Kim

P12-060

Effect of newly synthesized thioxanones on the activity of P-glycoprotein in RBE4 cells: a new approach to minimize the cytotoxicity of xenobiotics

*Catarina Chaves, Renata Silva, Andreia Palmeira, Emília Sousa, Madalena Pinto, Xavier Declèves, Fernando Remião

P12-061



Rat Pre- and Postnatal Development Study with Esomeprazole Magnesium Trihydrate: Lack of F1 bone effects

Jane Stewart, Lynne Jardine, Peter Hall, *Martin Billger

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*Nicoleta Anghel, Alexandra Ivan, Maria Suci, Hildegard Herman, Cornel Balta, Coralia Adina Cotoraci, Zoltan Galajda, Aurel Ardelean, Anca Hermenean

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*Ozlem Atli, Umide Demir-Ozkay, Sinem Ilgin, Harika Aydin, Esin Nur Akbulut, Erol Sener

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*Merve Baysal, Ozlem Atli, Fulya Dagasan, Dilek Burukoglu, Sinem Ilgin

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*Renan Chisté, Diana Couto, Marisa Freitas, Vera Marisa Costa, Agostinho Almeida, M. Arturo Lopez-Quintela, José Rivas, Paulo Freitas, Félix Carvalho, Eduarda Fernandes

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*Liam Ridge, Gennadiy Tenin, Kathryn Hentges, Emma Barnes, Jayne Wright

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*Roza Yegemberdiyeva, Talgar Abilov, Vadim Medovchikov, Abdiraman Kaliyev, Mukhtar Zhaylybayev

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*Barbara Nieradko-Iwanicka, Andrzej Borzęcki

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*Barbara Nieradko-Iwanicka, Andrzej Borzęcki

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*Ernesto Pinheiro-Junior, Johara Boldrini-França, Luciana Mattoso Pires de Campos Araújo, Norival Alves Santos-Filho, Lusiane Maria Bendhack, Eduardo Maffud-Cilli, Eliane Candiani Arantes

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*Maria Rosa Martínez-Larrañaga, Alejandro Romero, Irma Ares, Eva Ramos, María Aránzazu Martínez, Victor Castellano, Marta Martínez, Arturo Anadón

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*Henning F. Bjerregaard, Gamze Uzunoğlu, Güleycan Lutfullahoğlu

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*Mark Anderton, Susan Ashton, Bernard Barlaam, Christopher Jones, Cliff Jones



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*Ilzira Minigalieva, Boris Katsnelson, Larisa Privalova, Vladimir Gurvich, Vladimir Shur, Ekaterina Shishkina, Anatole Varaksin, Vladimir Panov, Tatjana Slyshkina, Ekaterina Grigorieva

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*Zeliha Kayaaltı, Hasan Çobankaya, Dilek Kaya-Akyüzlü, Esma Söylemez, Engin Tutkun, Tülin Söylemezoğlu

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*Dominik Diamandakis, Elzbieta Salinska, Elzbieta Zieminska, Jerzy, Wieslaw Lazarewicz

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*Krisztián Balogh, Csilla Pelyhe, Erika Zándoki, Judit Szabó-Fodor, Miklós Mézes

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*Laura Capasso, Marina Camatini, Andrea D'Anna, maurizio gualtieri

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*Heloisa Aparecida Barbosa Silva Pereira, Tamara Teodoro Araujo, Aline Dionízio, Flavia Iano Godoy, Marília Afonso Rabelo Buzalaf

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*Elzbieta Zieminska, Elzbieta Salinska, Jerzy Wieslaw Lazarewicz

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*Murilo Pazin Silva, Lilian Cristina Pereira, Filipe Valente Duarte, Anabela Pinto Rolo, Carlos Manuel Marques Palmeira, Daniel Junqueira Dorta

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*Aline Dionizio, Heloisa Aparecida Pereira, Tamara Araujo, Isabela Sabino, Maria Aparecida Malvezzi, Marília Buzalaf

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*Radek Indra, Jan Milichovský, Michaela Moserová, Volker M Arlt, Marie Stiborová

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*Denisa Margina, Octavian Olaru, Claudia Gutu, Liviu Florea, Daniela Gradinaru, Carmen Purdel, Mihaela Ilie

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*Stefania Musilli, Nour Nicolas, Zeina El Ali, Saadia Kerdine-Römer, Jean-Marc Bertho

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*Kateřina Řezáčová, *Kristýna Čáňová

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*Marta Mendel, Magdalena Chłopecka, Natalia Dziekan, Wojciech Karlik

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*Yann GUEGUEN, David Suhard, Line Manens, Christelle Elie, Géraldine Landon, Céline Bouvier-Capély, Karine Tack, Christine Tessier

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*ZOUAOUI Nidhal, Ferjani Hanen, Mallabrera Beatriz, ABID ESSEFI Salwa, RUIZ LEAL Maria José, BACHA Hassen

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*Ana Santos-Carvalho, Nuno Santos, Cláudia Cavadas, Félix Carvalho, Sónia Ferreira

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*Qing Wu, Miaohui Yu, Xiaoli Ji, Haipeng Diao, Qingping Liu

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*Ah Young Lee, Young-ah Han, Sanghwa Kim, Myung-Haing Cho

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*Paweł Brzuzan, Maciej Florczyk, Alicja Łakomiak, Maciej Woźny

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*Anna Wojciechowska, Jarosław Młynarczyk, Jan Kotwica

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*Francesca Caloni, Marco Albonico, Luis F. Schutz, Cristina Cortinovis, Leon J. Spicer

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*Robert Young, Harshini Dinesdurance, Reem Elbekai

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*Eiki Kimura, Yunjie Ding, Masaki Kakeyama, Chiharu Tohyama

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*Mihaela Radu, Sorina Nicoleta Petrache (Voicu), Cecilia Virginia Gheran, Anca Dinischiotu

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*Hela Chalouati, Laurence Gamet-Payraastre

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*João Guilherme Costa, Nuno Saraiva, Patrícia Silva Guerreiro, Joana Paiva Miranda, Ines Batinic-Haberle, Matilde Castro, Nuno Guerreiro Oliveira, Ana Sofia Fernandes

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*Simona Strapacova, Eva Hrubá, Martina Hyzdalova, Jan Vondracek, Miroslav Machala

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*Anca Pop, Diana Lupu, Julien Cherfan, Béla Kiss, Felicia Loghin

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*Martina Hyzdalova, Eva Hrubá, Simona Strapacova, Steen Møllerup, Jan Vondracek, Miroslav Machala

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*Maja Peraica, Dubravka Rašić, Marin Mladinic, Davor Zeljezic

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*Pavel Rossner, Antonin Ambroz, Andrea Rossnerova, Jitka Pavlikova, Zuzana Novakova, Michal Vojtisek-Lom, Jan Topinka

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*Lidia Radko, Małgorzata Olejnik, Beata Korycińska

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*Lidia Radko, Maria Minta, Piotr Jedziniak, Sylwia Stypuła-Trębas

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*Thomas Seeger, Corinna Scheffel, Karin Niessen, Franz Worek, Horst Thiermann



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*Jan Vondracek, Jana Svobodova, Marketa Kabatkova, Lenka Smerdova, Petra Brenerova, Zdenek Dvorak, Miroslav Machala

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*Giel Hendriks, Remco Derr, Branislav Misovic, Bruno Morolli, Fabienne Calléja, Harry Vrieling

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*Giel Hendriks, Remco Derr, Mathieu Porceddu, Nelly Buron, *Annie Borgne-Sanchez

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*Sevtap Aydin, Pinar Erkekoğlu, Belma Kocer-Gumusel, Nursen Basaran

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*Diana Lupu, Anca Pop, Julien Cherfan, Bela Kiss, Felicia Loghin

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*Sabrina Heinz, Heidrun Ellinger-Ziegelbauer, Ludwig Schladt, Bettina Lawrenz, Alexius Freyberger, Gabriele Schmuck

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*ZOUAOUI Nidhal, Ferjani Hanen, Mallabrera Beatriz, Maria José Ruiz LEAL, Hassen BACHA, Salwa ABID-Essefi

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*Matthew Burbank, Ahmad Sharanek, Audrey Burban, Richard J. Weaver, Christiane Guguen-Guillouzo, André Guillouzo

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*Ahmad sharanek, Audrey Burban, Lydie Humber, Pamela Bachour-El Azzi, Neuza Felix-Gomes, Dominique Rainteau, Andre Guillouzo

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*Malgorzata Olejnik, Lidia Radko

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*Lyn Rosenbrier Ribeiro, Matthew Wagoner, Janet Kelsall, Clare Walker, Meredith Crosby, Claire Sadler

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*sunny Abarikwu, Queen Duru, Ogechi Chinonso

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*Marjo Huovinen, Maija Pesonen, Jarkko Loikkanen, Pasi Huuskonen, Markku Pasanen, Jonne Naarala, Kirsi Vähäkangas

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*Houssein Al-Attrache, Ahmad Sharanek, Ziad Abdel-Razzak, Isabelle Morel, Andre Guillouzo

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*Sorina Nicoleta Petrache (Voicu), Anca Hermenean, Aurel Ardelean, Anca Dinischiotu

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*Sorina Nicoleta Petrache (Voicu), Cecilia Virginia Gheran, Maïté Callewaert, Marie-Christine Andry, Yamina Belabassi, Françoise Chuburu, Anca Dinischiotu

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*Alexander I. Vardavas, Persefoni Fragkiadaki, John Tsiaoussis, Eren Ozcagli, Dimitrios Stagkos, Dimitrios Kouretas, Christina Tsitsimpikou, Félix Carvalho, Aristidis Tsatsakis

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*Srishti Sinha, Deepti Tikariha, Kallol K Ghosh

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*João Barroso, Nathalie Alépée, Els Adriaens, Magalie Cluzel, Ann De Smedt, Jalila Hibatallah, Martina Klaric, Karsten R. Mewes, Marion Millet, Uwe Pfannenbecker, Marie Templier, Pauline McNamee

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*Selma Mahiout, Raimo Pohjanvirta



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*Ana Reis-Mendes, Ana Sara Gomes, Rui Albuquerque Carvalho, Fernando Remião, Félix Carvalho, Madalena Pinto, Maria de Lourdes Bastos, Emília Sousa, Vera Marisa Costa

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*Ana Rita Cardoso Pacheco, Helena Oliveira, Conceição Santos, Luis Almeida, Francisco Pimentel, José Miguel P. Ferreira de Oliveira

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*Clemens Wittwehr, Sharon Munn, Brigitte Landesmann, Maurice Whelan

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*Anna Krotkova, *Elena Shipaeva, C. Marc Luetjens, Florian Timo Ludwig, Trevor Hardwick, Yan Lavrovsky, Mikhail Samsonov

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*Francesca Metruccio, Francesca Di Renzo, Maria Battistoni, Angelo Moretto, Elena Menegola

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*Olga Danov, Sylvia Escher, Katrin Schröder, David Vorgrimmler, Claus Bersch, Peter Braubach, Danny Jonigk, Olaf Pfennig, Gregor Warnecke, Armin Braun, Katherina Sewald



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*Lenka Jourová, Pavel Anzenbacher, Zuzana Matušková, Rostislav Večeřa, Milan Kolář, Eva Anzenbacherová

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*Shrika G. Harjivan, Riccardo Wanke, Kellie Woodling, Gonçalo Gamboa da Costa, Frederick A. Beland, Alexandra M. M. Antunes, M. Matilde Marques

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