



14th Congress on Alternatives to Animal Testing Linz 2007

Preliminary program

Friday, September 28th 2007

13.00-13.20 Welcome speeches

Session EU-chemicals policy (REACH) & endocrine disruptors

Chair: Spielmann Horst, D-Berlin

13.20-13.50 *Hartung Thomas, I-Ispra*

The status of the implementation of REACH

13.50-14.15 *Vogel Richard, D-Berlin*

The need for improvement of the integrated testing strategy for reproductive toxicity under REACH

14.15-14.40 *Benisch Peter A., NL-Amsterdam*

REACH & endocrine disruptors – the current situation

14.40-15.00 *Kandarova Helena, USA-Ashland*

Increased sensitivity of the EpiDerm skin irritation protocol evaluated in the ECVAM skin irritation validation study

15.00-15.20 *Rogiers Vera, B-Brussels*

ecopa's EU FP7 project START-UP: Scientific and technological issues in 3Rs alternatives research in the process of drug development and Union politics

15.20-15.40 *Wimmer Christian, B-Brussels*

EC funding of alternative testing strategies

15.40-16.20 Coffee break and posters

Postersession I

Survey of the posters with presence of the authors

18.30-19.30 Society ALTEX Edition - Annual General Assembly

19.30 Welcome Reception (at the congress venue, next to the posters)

Saturday, September 29th 2007

Session Ecotoxicology

Chair: Benisch Peter A., NL-Amsterdam

08.30-09.00 *Ryan Gavin, IRL-Dublin*

Development of a functional *in vitro* bioassay for the marine biotoxin azaspiracid (AZA) using human colonic epithelial cells

09.00-09.20 *Schirmer Kristin, D-Leipzig*

Towards replacing or refining fish tests in chemical regulation and effluent testing – strategies to advance fish cell lines and embryos as alternatives

Session Good Cell Culture Practice

Chair: Gstraunthaler Gerhard, A-Innsbruck

09.20-09.25 *Gstraunthaler Gerhard, A-Innsbruck*

Introduction

09.25-09.40 *Leist Marcel, D-Konstanz*

The value of the BV-2 cell line as model for primary microglia



- 09.40-09.55 *Jennings Paul, A-Innsbruck*
Standardisation of cell culture techniques: a prerequisite to effective multi laboratory comparison of microarray data
- 09.55-10.10 *Bahramsoltani Mahtab, D-Berlin*
Establishment of realistic *in vitro* models of angiogenesis: how to make the right choice
- 10.10-10.50
Coffee break and posters
- Session Nanotoxicology**
Chair: Pfaller Walter, A-Innsbruck
- 10.50-11.05 *Taylor Katy, UK-London*
In vitro techniques and nanotoxicity - the way forward
- 11.05-11.20 *Lenz Anke-Gabriele, D-Neuherberg*
Proinflammatory response in human alveolar epithelial cells exposed to ultrafine zinc oxide (ZnO) particles at the air-liquid interface (ALI)
- 11.20-11.35 *Brandenberger Christina, CH-Bern*
A newly developed *in vitro* model of the human epithelial airway barrier to study the toxic potential of nanoparticles
- 11.35-11.50 *Toussaint Olivier, B-Namur*
Nanotoxicology: *In vitro* model development for nanomaterial toxicity assessment on human health
- Session Evidence based toxicology**
Chair: Rogiers Vera, B-Brussels
- 11.50-12.10 *Hoffmann Sebastian, I-Ispra*
Toward an evidence-based toxicology
- 12.10-12.25 *Runge Dieter, D-Schwerin*
A human hepatocyte long-term culture system serves as a drug testing alternative to animal models: Results of metabolic assays and electron microscopy
- 12.25-14.00
Lunch
- Session Ethical and legal aspects**
Chair: Franz P. Gruber, CH-Zurich
- 14.00-14.20 *Leist Marcel, D-Konstanz*
Judging the value of alternative methods
- 14.20-14.35 *Kolar Roman, D-Neubiberg*
Survey of the German Animal Welfare Federation concerning the work of ethics committees and licensing authorities for animal experiments
- 14.35-14.50 *Knight Andrew, UK-London*
Animal experiments scrutinised: systematic reviews demonstrate poor human clinical and toxicological utility
- 14.50-15.05 *Ruhdel Irmela, D-Neubiberg*
Revision of Directive 86/609: Demands from the animal welfare point of view
- 15.05-15.20 *Reid Kirsty, B-Brussels*
Animal welfare and the revision of EU legislation on plant protection products
- 15.20-15.35 *Balluch Martin, A-Vienna*
Trial for personhood of a chimp
- 15.35-16.15
Coffee break and posters
- 16.15-18.15 **Postersession II**
Survey of the posters with presence of the authors
- 18.15-19.15 **MEGAT – Annual General Assembly**
- 19.30 Departure for the Social Evening
- 20.00 **Social evening – Award ceremonies**
Doerenkamp-Zbinden-Award, Doerenkamp-Zbinden Foundation Honour Medals, ALTEX Publication Award, Poster Award Linz 2007, Thesis Award 2007

**Sunday, September 30th 2007****Session Computer assisted procedures***Chair: Jennigs Paul, A-Innsbruck*

- 09.00-09.15 *Lengton Kate, UK-Leeds*
Derek for Windows: Conforming to the OECD principles for (Q)SAR validation
- 09.15-09.30 *Alvers Michael R, D-Dresden*
Knowledge based search - a new search machine for knowledge intense domains
- 09.30-09.45 *Motzkus Nicole, D-Erlangen*
New animal model for objective pain research: Non-invasive functional imaging in anesthetized animals by BOLD fMRI
- 09.45-10.15 Coffee break and posters

Session 7th Cosmetics amendment*Chair: Kolar Roman, D-Neubiberg*

- 10.15-10.30 *Kaluzhny Yulia, USA-Ashland*
Genotoxicity screening using the EpiDerm human 3D model™ skin specific micronucleus assay
- 10.30-10.45 *Ruwiedel Karsten, D-Düsseldorf*
COLIPA skin metabolism project – towards the inclusion of appropriate metabolism in *in vitro* alternatives for skin sensitisation and genotoxicity
- 10.45-11.00 *Kandarova Helena, USA-Ashland*
In vitro skin corrosion test: reproducibility over time and optimized methodology for testing chemicals interfering with the MTT endpoint
- 11.00-11.15 *Szameit Sandra, A-Seibersdorf*
Discrimination of contact allergens and irritants employing the ARC immune toxicity chip
- 11.15-11.30 *Wanner Reinhard, D-Berlin*
LCSA, loose-fit coculture-based sensitization assay
- 11.30-11.45 *Heisler Eckhard, D-Krefeld*
When *in vitro* toxicology meets a global player: Research and Development of Degussa's Super Absorbing Polymers are accompanied by alternative methods in toxicology

Session Target organ toxicity*Chair: Hartung Thomas, I-Ispra*

- 11.45-12.00 *Seiler Andrea, D-Berlin*
The new German BMBF joint project on the development of predictive *in vitro* tests for developmental neurotoxicity testing
- 12.00-12.15 *Leist Marcel, D-Konstanz*
A human neuronal model system with a potential to substitute primary cultures
- 12.15-12.30 *Fritsche Ellen, D-Düsseldorf*
News from the neurosphere front
- 12.30-12.45 *Albus Klaus, D-Berlin*
In vitro alternatives to animal models for screening and evaluation of anticonvulsive compounds
- 12.45-13.00 *Bur Michael, D-Saarbrücken*
Pulmonary cell culture models to study safety and efficacy of innovative aerosol medicines
- 13.00-13.15 *Sewald Katherina, D-Hannover*
Mouse precision cut lung slices (PCLS) as alternative for *in vivo* respiratory toxicology testing: focus on immune modulating LPS and allergens
- 13.15-13.30 *Telang Nitin, USA-New York*
Novel cell culture model for prevention of estrogen receptor negative, chemotherapy-resistant breast cancer: an alternative approach for animal experimentation
- 13.30-13.45 *Balogh Lajos, H-Budapest*
3Rs in the field of radiopharmaceutical research and development

13.45 **Closing remarks - End of the 14th congress**