

ALTEX

ALTERNATIVES TO ANIMAL EXPERIMENTATION

Food for thought ...

Thomas Hartung and
Emanuela Corsini:

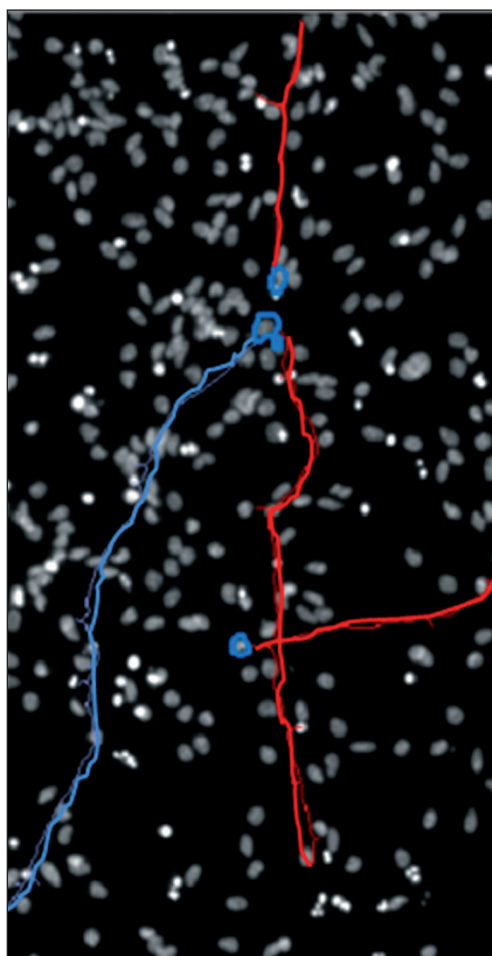
**Immunotoxicology:
Challenges in
the 21st century and
in vitro opportunities**

Stefan Schildknecht,
Christiaan Karreman,
Dominik Pörtl, Liudmila Efrémova,
Cornelius Kullmann,
Simon Gutbier, Anne Krug,
Diana Scholz, Hanne R.
Gerding, and Marcel Leist:

**Generation of
genetically-modified
human differentiated cells
for toxicological tests and
the study of
neurodegenerative
diseases**

Cameron MacKay,
Michael Davies,
Vicki Summerfield,
and Gavin Maxwell:

**From pathways to people:
Applying the adverse
outcome pathway (AOP)
for skin sensitization to
risk assessment**



John M. Grealley and
Miriam N. Jacobs:

***In vitro* and *in vivo* testing
methods of epigenomic
endpoints for evaluating
endocrine disruptors**

t⁴ report:

Mardas Daneshian,
Luis M. Botana, Marie-Yasmine
Dechraoui Bottein,
Gemma Buckland, Mònica
Campàs, Ngaire Dennison,
Robert W. Dickey,
Jorge Diogène, Valérie Fessard,
Thomas Hartung, Andrew
Humpage, Marcel Leist, Jordi
Molgó, Michael A. Quilliam,
Costanza Rovida, Benjamin
A. Suarez-Isla, Aurelia Tubaro,
Kristina Wagner, Otmar Zoller,
and Daniel Dietrich:

**A roadmap for hazard
monitoring and risk
assessment of marine
biotoxins on the basis of
chemical and biological test
systems**

Calendar of events
Corners
News





9th World Congress on Alternatives and Animal Use in the Life Sciences 24–28 August 2014 | Prague, Czech Republic | www.wc9prague.org

Scientific Programme – draft April 2013

1. New technologies

- Virtual tissue models
- HTS
- BIG data
- Novel computational biology tools
- Tissue on a chip
- 3D models
- Bioreactors
- Bioimaging
- Monitoring, telemetry
- Advanced human-based diagnostic techniques
- New readout technologies

2. Predictive Toxicology and safety assessment

- Pathway approaches in toxicology (AOP)
- Systems biology (-omics)
- Update on Tox21
- Update on SEURAT-1
- Exposure
- Topical toxicity
- Repeated dose toxicity
- Skin sensitization
- Endocrine disruption
- Genotoxicity / Carcinogenicity
- Reproductive and developmental toxicology
- Inhalation toxicity
- Ecotoxicology
- Computational modeling and chem-informatics (e.g. QSAR, mechanistic chemistry)
- Risk assessment (e.g. chemicals, drugs, biocides, food, cosmetics, medical devices, nano materials, mixtures, biologicals etc.)
- Application in decision making and testing strategies

3. 3Rs in academia and education

- Information requirements on researchers (e.g. Directive 63/2010)
- Training programs and anticipated needs
- 3Rs in academic education
- Funding programs (e.g. Horizon 2020)
- Funding agencies
- Innovative teaching and training tools
- Benefits of 3Rs – case studies

4. Communication, dissemination and data sharing

- Scientific reporting standards
- Retrospective analysis / non-technical summaries (63/2010)
- Information systems and databases
- Intellectual property and data ownership

5. Efficacy and safety testing of drugs and biologicals

- Pathway-based assays
- Alternative disease models
- Screening strategies
- Potency of human and veterinarian vaccines

6. Human relevance (in vivo, in vitro)

- Stem cells (screening)
- Disease models
- Human biomarkers
- IVIVE
- ADME
- Challenges in translational biology
- Pros and cons of animal models (plenary)

7. Ethics

- Use of materials of human origin
- Testing in human volunteers
- Distress evaluation
- Benefit evaluation
- Transgenics

8. Refinement and welfare

- NHPs
- Primates
- Welfare approaches
- Humane principles in experimental techniques
- Avoidance of severe suffering

9. Global cooperation, regulatory acceptance, standardization

- Regulatory acceptance of alternatives
- Progressing validation
- Update from validation centers
- Good cell culture practice
- Challenges to 3Rs
- Barriers for international harmonization and mutual acceptance
- Legal constraints and uncertainties
- Trade barriers
- Animal welfare implementation across the world
- Update from international societies

The abstracts will be published in an international scientific journal focused on 3Rs with impact factor.

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Horst Spielmann

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Registration

To register, please use exclusively our internet registration form at www.wc9prague.org. The form will be opened in October 2013.

Registration fees

Payment	Early registration by June 1, 2014	Late registration on & after June 1, 2014	On-site registration
Full Participation	€ 530	€ 580	€ 635
Full Participation, Students / young scientific*	€ 380	€ 430	€ 475
Accompanying Person	€ 300	€ 350	€ 390

*Students/young scientists under 30 are eligible when presenting an official confirmation of enrolment at a scientific institution.

The Full Participation includes:

Admission to all scientific events and exhibition, the Opening and Closing Ceremony, the Get-Together Party on Sunday, the Welcome Cocktail on Monday, the Gala Dinner on Wednesday, coffee breaks and light lunches.

The registration fee for Accompanying Persons includes:

The Opening and Closing Ceremony, the Get-Together Party on Sunday, the Welcome Cocktail on Monday, the Gala Dinner on Wednesday.

The registration fees do not include accommodation and travel costs.

Congress Secretariat

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Website: www.wc9prague.org

General Information

Congress Venue

Hotel Hilton Prague
Pobřeží 31 I/1, 186 00, Prague 8 – Karlín
Czech Republic

Important Dates

Registration Opens	October 2013
Abstract Submission Opens	October 2013
Abstract Submission Deadline	April 2014
Early Registration Deadline	May 2014
9 th World Congress on Alternatives & Animal Use in the Life Sciences	24–28 August 2014

Social Programme

Sunday, 24 August 2014

Get-Together Party at Hotel Hilton Prague included in the registration fee

Monday, 25 August 2014

Welcome Reception at Public Spa included in the registration fee

Wednesday, 27 August 2014

Gala Dinner at Municipal House

For more information on the scientific programme, abstract submission, registration, hotel reservation and social programme please visit our website: www.wc9prague.org.

ALTEX

<http://www.altex-edition.org>
<http://altweb.jhsph.edu/altex>

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in biomedical science**

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TurboRFP expressing LUHMES were mixed with wtLUHMES at a ratio of 2:98 and incubated for 3 days. Hoechst-stained nuclei are shown together with an overlay of RFP-positive neurite traces. Neurites are traced outward from each cell body (blue and red masks), analyzed, and validated against object selection parameters (like total neurite length, neurite branch points, or neurite cross points), see Schildknecht et al., 427-444, Fig. 3C.

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Submissions: Follow instructions for authors posted on the ALTEX website.

Aims and Scope – Protecting More Than Animals

ALTEX is devoted to the publication of research on the development and promotion of alternatives to animal experiments according to the 3R concept of Russell and Burch: Replace, Reduce, and Refine. Animal experiments are defined by the editors as all experimental procedures involving the use of animals in testing, research, and education or to obtain tissues, organs, and other animal-derived products which may cause pain or distress to animals.

ALTEX is also devoted to the bioethics of the complex relationship between humans and animals. Articles published in ALTEX must express a basic concern for the dignity of living creatures and the recognition of animals as our partners.

ALTEX publishes original articles, short communications, reviews, as well as comments, corners, news, and meeting reports.

Manuscripts submitted to ALTEX are evaluated by two expert reviewers. The evaluation takes into account the scientific merit of a manuscript and its contribution to animal welfare and the 3R principle.

ALTEX Proceedings publishes Abstract Books and Proceedings of scientific conferences. *TIERethik* is a German-language journal devoted to the bioethics of the relationship between animals and humans.

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