

9th Berlin Workshop on Developmental Toxicology as a satellite event to the 46th Annual Meeting of the European Teratology Society

Subsequent to the 46th Annual Meeting of the European Teratology Society the BfR invites the experts to discuss the classification of findings in Version 2 terminology (published by the official journals of the European, American and Japanese Teratology Societies) to improve classification of findings and laboratory investigations.

The current workshop approaches to risk assessors, risk managers and stakeholders in order to support the progress towards a harmonised human health risk assessment of plant protection products, biocidal products and other chemicals.

Areas of Discussion

- Reduction of post-natal grey zone anomalies in laboratory animals in developmental toxicity studies
- Scientific basis for classification of chemicals as developmental toxicants aiming an independent, valid and reliable evaluation
- Comparison of developmental anomalies in laboratory animals with human data
- Exploring possibilities to support the progress towards harmonised approaches for risk assessment
- Alternative methods for risk assessment in developmental toxicity testing

Contact person:

Roland Solecki
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Venues:

September 13, 2018

Hotel NH Berlin Alexanderplatz
Landsberger Allee 26, 10249 Berlin

Directions:

www.nh-hotels.com/hotel/nh-berlin-alexanderplatz

September 14, 2018

German Federal Institute for Risk Assessment (BfR)
Max-Dohrn-Str. 8–10, 10589 Berlin

Directions:

www.bfr.bund.de/en/location-jungfernheide.html

Destination stop "Jungfernheide Bhf (S+U)"

(www.bahn.de, www.bvg.de/en)

Registration:

Registration fee: 140 €

Please register online by June 30 on the website of the BfR Academy

www.bfr-akademie.de/english/events/devtox2018.html

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Organiser:

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9th Berlin Workshop on Developmental Toxicology

as a satellite event to the 46th Annual Meeting of the European Teratology Society

13–14 September 2018, Berlin



Bundesinstitut für Risikobewertung

Thursday, September 13, 2018 (Location NH Hotel Berlin Alexanderplatz)

1:00–1:30 pm **Registration**

1:30–1:45 pm

Welcome and opening remarks

*Reiner Wittkowski, vice-president of the German Federal Institute for Risk Assessment (BfR),
Seamus Giles, President of the European Teratology Society (ETS)*

1:45–2:10 pm

Key note speaker: Diether Neubert, Charité Berlin

Session: Terminology in Developmental Toxicology

Chair: Jochen Buschmann, Independent Consultant, Hannover

Co-chair (Rapporteur): Ruth Clark, Ruth Clark Associates Ltd., Derrythorpe, United Kingdom

2:10–2:40 pm

Update of new images and categorisation in the DevTox database

Rupert Kellner, Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM), Hannover

2:40–3:00 pm

Evaluation of post-natal anomalies in the DevTox database

Ibrahim Chahoud, Charité, Berlin

3:00–3:20 pm

Chinese version of the DevTox database and atlas of common malformations

Weihua Li, Shanghai University, PR China

3:20–3:40 pm

Japanese version of the terminology and the atlas of developmental abnormalities in laboratory species

Michio Fujiwara, Astellas Pharma Inc., Tokyo, Japan

3:40–4:10 pm coffee break

Session: Risk and hazard assessment in developmental toxicology

*Chair: Roland Solecki, BfR, Berlin
Co-chair (Rapporteur): Nathalie Delrue, Organisation for Economic Co-operation and Development (OECD), Paris, France*

4:10–4:30 pm

Regulatory aspects of developmental toxicology and endocrine effects

Roland Solecki, BfR, Berlin

4:30 pm–4:50 pm

Classification of developmental toxic pesticides and negligible exposure – Perspective of the regulator

Alberto Mantovani, Istituto Superiore di Sanità (ISS), Rome, Italy

4:50–5:10 pm

Classification of developmental toxic pesticides, low dose effects, mixtures – Perspective of the industry

Steffen Schneider, BASF SE, Ludwigshafen

5:10–5:30 pm

Human data for assessment of developmental effects

Shiota Kohei, Shiga University, Japan

5:30–6:00 pm **Final discussion**

Get together/Dinner

Friday, September 14, 2018 (Location BfR Berlin Jungfernheide, Biotechpark)

8:30–9:00 am **Registration**

9:00–9:10 am **Introductory remarks**

Session: Alternative species in testing of developmental effects

*Chair: Alberto Mantovani, ISS, Rome, Italy
Co-chair (Rapporteur): Martina Rauch, BfR Berlin*

9:10–9:30 am

C. elegans

Paul Wittkowski, BfR, Berlin

9:30–9:50 am

Zebrafish

Jingying Hu, Shanghai University, PR China

9:50–10:10 am

Snail

Francisco Paumgarten, Fiocruz, Rio de Janeiro, Brazil

10:10–10:40 am coffee break

Session: Methodology for the future

*Chair: Gilbert Schönfelder, BfR, Berlin
Co-chair (Rapporteur): Susan Makris, United States Environmental Protection Agency (US EPA), Washington, D.C., USA*

10:40–11:00 am

Improved embryonic bodies for studying development, embryotoxicity, and placental function *in vitro*

Marlon Schneider, BfR, Berlin

11:00–11:20 am

Models used to detect skeletal anomalies: applications, limitations and future perspectives

Frank Schulze, BfR, Berlin

11:20–11:40 am

TOX 21 – Developmental toxicology

Susan Makris, US EPA, Washington, D.C., USA

11:40 am–12:00 pm

Stem cell-based testing methods and the use of the AOP concept for developmental neurotoxicity (DNT) evaluation

Ellen Fritsche, Leibniz Research Institute for Environmental Medicine, Düsseldorf

12:00–12:30 pm **Final discussion**

12:30–12:45 pm

Closing remarks

Ibrahim Chahoud, Gilbert Schönfelder, Jochen Buschmann