

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

Subsequent to the 46<sup>th</sup> 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:

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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](http://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](http://www.bfr.bund.de/en/location-jungfernheide.html)

Destination stop "Jungfernheide Bhf (S+U)"

([www.bahn.de](http://www.bahn.de), [www.bvg.de/en](http://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](http://www.bfr-akademie.de/english/events/devtox2018.html)

### Contact:

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### Organiser:

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Max-Dohrn-Straße 8–10  
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[www.bfr.bund.de/en](http://www.bfr.bund.de/en)

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as a satellite event to the 46<sup>th</sup> 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*