

### Wednesday, May 14, 2014

Chair: Prof. Dr. Gilbert Schönfelder, BfR

14:00–14:15

#### Welcome and Opening Remarks

*Prof. Dr. Reiner Wittkowski,  
Vice President of BfR*

14:15–14:45

#### Mechanisms of digit formation

*Prof. Dr. Stefan Mundlos,  
Charité - Universitätsmedizin Berlin Germany*

14:45–15:15

#### Evaluation of observational data in human teratogenicity studies of the Berlin Embryotox project

*PD Dr. Christof Schaefer,  
Charité - Universitätsmedizin Berlin Germany*

15:15-15:45 coffee break

15:45–16:15

#### Air pollution and its developmental and reproductive effects on human beings in China

*Prof. Dr. Haidong KAN, Fudan University  
Shanghai China  
Prof. Dr. Weihua LI, Shanghai Institute of  
Planned Parenthood Research China*

16:15–16:45

#### Comparative aspects of birth defects in laboratory animals and humans

*Prof. Dr. Kohei Shiota,  
Kyoto University Japan*

16:45–17:15

#### Comparative atlas of external malformation in laboratory animals and humans

*Prof. Dr. Ibrahim Chahoud, Charité –  
Universitätsmedizin Berlin Germany  
Dr. Jochen Buschmann,  
Fraunhofer Institut Hannover Germany*

17:15– 17:30

#### General discussion

### Thursday, May 15, 2014

Discussion of the survey results  
(only with invited experts)

### Friday, May 16, 2014

#### Risk and hazard assessment in developmental toxicology

Chair: Dr. Roland Solecki, BfR

09:00–09:10

#### Developmental Toxicology - introductory remarks on regulatory impacts and future challenges

*Dr. Roland Solecki, BfR*

09:10–09:25

#### Is negligible exposure applicable for developmental effects?

*Dr. Aldert Piersma,  
RIVM Netherlands*

09:30–09:45

#### Are low dose adverse effects an issue in developmental toxicology?

*Dr. Helen Hakansson,  
Karolinska Institute, Sweden*

09:50–10:30

#### Epidemiological data, alternative test methods and regulatory Guideline studies to investigate developmental effects of glyphosate

*Dr. Francisco Paumgartten, Oswaldo Cruz  
Foundation Brazil  
Dr. Burkhard Flick, BASF Germany  
Dr. Jochen Buschmann, Fraunhofer Institut  
Hannover Germany  
Prof. Dr. Ibrahim Chahoud, Charité -  
Universitätsmedizin Berlin Germany*

10:30–11:00

#### Final discussion

11.00 – 11:30 Coffee break

#### Methodology for the future

11:30–11:45

#### Methods for grouping of foetal observations

*Dr. Beate Ulbrich, BfR*

11:50–12:05

#### Imaging techniques (Micro CT)

*Prof. Dr. Gilbert Schönfelder, BfR*

12:10–12:25

#### Quantitative Spatial-Temporal Predictive Modeling

*Prof. Dr. Thomas Knudsen, US EPA, USA*

12:30–12:55

#### Non-mammalian animal models in developmental toxicology

*Dr. Michael Oelgeschläger, BfR*

12:55–13:15

#### Final Discussion

## International Symposium on Developmental Toxicity (including the 8th Berlin Workshop on DevTox Terminology)

The main task of the International Symposium on Developmental Toxicity including the 8<sup>th</sup> Berlin Workshop on DevTox Terminology is to evaluate external, visceral, skeletal and materno-fetal anomalies which can be classified either a malformation, a variation or a grey-zone anomaly according to their severity, size, persistence and grading.

The conference will be organized by the Federal Institute for Risk Assessment (Bundesinstitut für Risikobewertung, BfR) in cooperation with the Charité-Universitätsmedizin Berlin under the auspices of IPCS.

The 8<sup>th</sup> Workshop is a continuation of a series of Berlin Workshops organised since 1995. One recommendation of the 7<sup>th</sup> Workshop (2011) was to initiate a further survey regarding classification of findings in Version 2 terminology (published by the official journals of the European, American and Japanese Teratology Societies)

During the 1<sup>st</sup> day of the Symposium (May 14) different aspects of developmental anomalies in laboratory animals compared to human beings in different countries will be discussed. International experts will present their views. This day is open for the public and to interested experts.

During the 2<sup>nd</sup> day (May 15) the survey of new terms in Version 2 nomenclature will be presented and discussed with invited experts.

The workshop is part of an international project in the field of harmonization of terminology in developmental toxicology supported by IPCS.

During the last day (May 16) risk and hazard assessment in developmental toxicology will be presented and discussed with invited and interested experts.

The conference language will be English. Presentations and main results of the 8<sup>th</sup> Workshop will be published on the BfR Website. More information will be presented on the DevTox Website [www.devtox.org](http://www.devtox.org). A Report of the Workshop will be published in a peer reviewed journal.

### Location

Federal Institute for Risk Assessment  
Lecture Room  
Diedersdorfer Weg 1,  
12277 Berlin (Marienfelde)

For the journey description please connect [www.bfr.bund.de/de/standort\\_marienfelde-5409.html](http://www.bfr.bund.de/de/standort_marienfelde-5409.html)

### Announcement

**May 14, 2014** is open to invited experts, to the public and to interested experts.

**May 15, 2014** only invited experts are admitted. For the participation please register under [DevTox@bfr.bund.de](mailto:DevTox@bfr.bund.de).

**May 16, 2014** is open to the invited and to interested experts. For May 14<sup>th</sup> and 16<sup>th</sup> please register until May 7<sup>th</sup> under: [www.bfr.bund.de/de/veranstaltungen.html](http://www.bfr.bund.de/de/veranstaltungen.html)

(The conference is free of charge)

### Organiser

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## International Symposium on Developmental Toxicity



Berlin, May 14 – 16, 2014

including the  
**8<sup>th</sup> Berlin Workshop on  
DevTox Terminology**



Bundesinstitut für Risikobewertung