25 years after the first Berlin Workshop on Developmental Toxicity we are organising the 10th Berlin workshop on Developmental Toxicology. More information is presented on the DevTox website www.devtox.org.

The “10th Berlin Workshop on Developmental Toxicology” is aimed to bring together international experts from authorities, research institutions, universities and industry to discuss the final update of the DevTox database, to consider specific aspects in regulatory risk assessment of developmental neurotoxicity and to debate alternative strategies in testing developmental effects in the future with the main goal to improve harmonisation in the worldwide assessment of developmental findings and laboratory investigations.

The topics are grouped in three different main panels. Results of the discussions will be published by the German Federal Institute for Risk Assessment (BfR):

- The DevTox-Project
- Risk Assessment – Developmental Neurotoxicity
- Future Methodology in DevTox

The 10th Berlin Workshop (BW) is a continuation of a series of Berlin Workshops. At the last BW 2018, the need for a harmonised terminology for classification of anomalies in laboratory animals in developmental toxicity studies aiming for human health risk assessment was emphasised and the DevTox database was identified as an extremely valuable tool. It was also agreed that still one of the biggest challenges for testing developmental toxicity in the 21st century is the development of animal-free test strategies and alternatives to animal testing that could provide information relevant for humans in a rapid, efficient, and mechanistically informative manner.

Presentations and main results of the 10th Workshop will be published on the BfR Website. A report of the workshop will be published in a peer reviewed journal.

Contact person:
Roland Solecki
DevTox@bfr.bund.de

Venue:
German Federal Institute for Risk Assessment
Conference centre Berlin Biotechpark
Max-Dohrn-Str. 8–10, 10589 Berlin

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

Destination stop (www.bahn.de, www.bvg.de/en)
“Nahmitzer Damm/Marienfelder Allee (Berlin)”

Registration:
Registration fee: 140 €
Please register online by February 10 on the website of the BfR Academy
www.bfr-akademie.de/english/events/devtox2020.html

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10th Berlin Workshop on Developmental Toxicology
19–20 February 2020, Berlin
Wednesday 19 February 2020

11:30 am–12:30 pm Registration
12:30–12:45 pm Opening and Welcome
Roland Solecki, vice-president of the BfR

12:45–01:30 pm Key lecture
25 years of harmonising nomenclature in developmental toxicity: history, improvements and perspectives
Konstanze Grote, Charité, Berlin
Rupert Kellner, Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM), Hannover
Roland Solecki, BfR

Session I The DevTox-Project
Current status and future developments
Chair: Kohei Shiota, Kyoto University, Japan
Co-chair: Hiro Aoyama, Institute of Environmental Toxicology, Japan
Rapporteur: Ruth Clark, Ruth Clark Associates Ltd., Derrythorpe, United Kingdom

01:30–01:50 pm Follow up activities of the Berlin Workshop with the JTS and ETS
Jochen Buschmann, Independent Consultant, Hannover, Germany

01:50–02:10 pm New pictures in the DevTox database
Weiuh Li; Shanghai Institute of Planned Parenthood Research

02:10–02:30 pm Japanese proposals for update of definitions and re-categorisation of grey zone anomalies
Michio Fujiwara, Astellas Pharma Inc., Tokyo, Japan

02:30–02:50 pm View of a developmental toxicologist from the EU on the Japanese proposal
Alberto Mantovani, Istituto Superiore di Sanità, Rome, Italy

02:50–03:10 pm Berlin Workshop view on a new survey for re-categorisation of grey zone anomalies
Francisco Paumgartten, Fiocruz, Rio de Janeiro, Brazil

03:10–03:30 pm Discussion

03:30–04:00 pm Coffee break

Session II Risk Assessment – Developmental Neurotoxicity
Alternatives in testing developmental neurotoxicity
Chair: Susan Makris, United States Environmental Protection Agency (US-EPA), Washington, D.C., USA
Co-chair: Susanne Hougaard, Technical University of Denmark, Lyngby, Denmark
Rapporteur: Steffen Schneider, BASF SE, Ludwigshafen, Germany, t.b.c.

04:00–04:30 pm Advances to link test systems to the prediction of developmental neurotoxicity
Marcel Leist, Universität Konstanz, t.b.c.

04:30–05:00 pm Integrated approaches to testing and assessment (IATA) for developmental neurotoxicity
Ellen Fritsche, Heinrich Heine University Düsseldorf

05:00–05:30 pm OECD case studies for potential testing strategies and a draft framework for building a DNT testing battery

05:30–06:00 pm Current advances of the US-EPA strategy for testing of developmental neurotoxicity
Elissa Reaves, US-EPA, Washington, D.C., USA

06:00–06:30 pm Current advances of the strategy of Health Canada for testing of developmental neurotoxicity
Francis Bailey, Health Canada, Ottawa, Canada

06:30–07:00 pm Discussion

Dinner

Thursday 20 February 2020

Session III Future Methodology in DevTox
Bone development: in vitro models to elucidate mode of action
Chair: Saravana Ramasamy, Imperial College, London, UK, t.b.c.
Co-chair: Matteo Moretti, Cell tissue engineering lab, Milano, Italy, t.b.c.
Rapporteur: Frank Schulze, BfR

09:00–09:30 am Investigating the Interaction of bone- and immune cells in osteochondral models
Annemarie Lang, Charité, Berlin, t.b.c.

09:30–10:00 am Bone Tissue Engineering
Michael Gelinsky, Technische Universität Dresden, Dresden, Germany, t.b.c.

10:00–10:30 am Vascularisation of bone during development and growth
Ralf Adams, Max Planck Institute for Molecular Biomedicine, Münster, Germany, t.b.c.

10:30–11:00 am Coffee break

11:00–11:30 am Research on mechanism of supernumerary rib by use of Computer Tomography (CT)
Makiko Kuwagata, National Institute of Health Sciences, Kawasaki, Japan

11:30 am–12:00 pm Vascular niches in bone
Anjali Kusumbe, University of Oxford, UK, t.b.c.

12:00–12:30 pm Concluding remarks
Philip Marx-Stötting, BfR – session I
Andrea Gall – session II
Gilbert Schönfelder – session III