



International Symposium: Risk Assessment of Genotoxic Compounds Challenges and Future Perspectives

26–28 February 2024, Berlin

International Symposium: Risk Assessment of Genotoxic Compounds Challenges and Future Perspectives

The symposium aims to address the challenges and future directions in the risk assessment of genotoxic substances. It will bring together experts from different disciplines either from academia, industry or regulatory authorities worldwide to present and discuss their activities.

So far, genotoxicity data are mainly interpreted in a qualitative way, which typically results in a binary classification of chemical entities. However, there is a long-lasting and controversial discussion about the need for a paradigm shift in this regard. With lectures, workshops and a concluding panel the symposium will build a platform to discuss the current opportunities, challenges and perspectives for a more quantitative approach to genotoxicity assessment.

The symposium aims to foster collaboration and knowledge exchange, leading to improved risk assessment strategies for genotoxic substances.

It is intended for experts with experience in genotoxicity assessment and will take place as a face-to-face meeting in Berlin. Additionally, streaming of the introductory talks and the concluding panel will be set up.

Programme

Monday, 26 February 2024

09:00–09:15 **Welcome address**
Tanja Schwerdtle, vice president of the German Federal Institute for Risk Assessment (BfR), Berlin

Session I: Introduction (live stream available)

Session Chair: Benjamin Sachse, BfR, Berlin

09:15–09:45 **"Classical approaches" in genotoxicity assessment**
Diane Benford, Scientific Committee of the European Food Safety Authority (EFSA), Italy

09:45–10:15 **Quantitative interpretation of *in vivo* mutagenicity dose-response data for risk assessment and regulatory decision-making**
Paul White, Health Canada, Canada

10:15–10:30 Discussion

10:30–11:00 Coffee break

Session II: Requirements and challenges in various legislations

(live stream available)

Session Chair: Kristin Herrmann, BfR, Berlin

11:00–11:20	Genotoxic compounds in EU food safety policy Frans Verstraete, European Commission, Belgium
11:20–11:30	ECHA's view Paschalina Papadaki, European Chemicals Agency (ECHA), Finland
11:30–11:40	EFSA's view Alexis Nathanail, Juan Parra Morte, EFSA, Italy
11:40–11:50	BfArM's view Roland Frötschl, Federal Institute for Drugs and Medical Devices (BfArM), Bonn
11:50–12:00	US NIEHS's view Stephanie Smith-Roe, National Institute of Environmental Health Sciences (US NIEH), USA
12:00–12:10	US FDA's view Laura Markley, U.S. Food and Drug Administration (US FDA), USA
12:10–12:30	Discussion
12:30–14:00	Lunch break

Workshops

14:00–18:00

Workshop 1

Risk assessment of genotoxic compounds in the presence of data from carcinogenicity studies

Workshop chairs:

Diane Benford, EFSA Scientific Committee, Italy

Paschalina Papadaki, ECHA, Finland

Workshop 2

Quantitative assessment of genotoxic compounds in the absence of data from carcinogenicity studies

Workshop chairs:

George Johnson, Swansea University, UK

Hans-Jörg Martus, Genetic toxicologist, Switzerland

Workshop 3

New approaches for the characterisation of genotoxic effects based on *in vitro* and *in silico* data

Workshop chairs:

Stefan Pfuhler, Genetic toxicologist, USA

Jan van Benthem, Genetic toxicologist, The Netherlands

Raffaella Corvi, Joint Research Centre, Italy

Workshop 4

New approaches for the quantitative characterisation of genotoxic effects based on animal and human data

Workshop chairs:

Helga Stopper, Julius-Maximilians-Universität Würzburg

James Kevin Chipman, University of Birmingham, UK

18:15–21:00 Get-together

Tuesday, 27 February 2024

Workshops (continued)

09:00–17:00

Wednesday, 28 February 2024

Moderation: Katja Nellissen

Presentation of the workshop results (live stream available)

09:00–10:00 **Presentation of the results of workshops 1 and 2**

10:00–10:30 Coffee break

10:30–11:30 **Presentation of the results of workshops 3 and 4**

11:30–12:30 Lunch break

Panel discussion (live stream available)

12:30–14:45

12:30–14:30 **Roadmap towards quantitative assessment of genotoxicity data**

Panelists:

Frans Verstraete, European Commission, Belgium

Claudio Carlon, European Chemicals Agency (ECHA), Finland

Nikolaus Kriz, European Food Safety Authority (EFSA), Italy

Eugenia Dogliotti, Genetic toxicologist, Italy

Hans-Jörg Martus, Genetic toxicologist, Switzerland

Tanja Schwerdtle, BfR, Berlin

14:30–14:45 **Closing remarks**

Andreas Hensel, president of the BfR, Berlin

Organisational information

Venue

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

Directions

bfr-akademie.de/english/locations/marienfelde.html

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

Registration

Please register online by 28.01.2024 on
bfr-akademie.de/english/gentox2024.html

Contact

BfR Academy
T +49 30 18412-22405
akademie@bfr.bund.de

Organiser

German Federal Institute for Risk Assessment
Max-Dohrn-Straße 8-10
10589 Berlin, Germany
bfr.bund.de/en

About the BfR

The German Federal Institute for Risk Assessment (BfR) is a scientifically independent institution within the portfolio of the German Federal Ministry of Food and Agriculture (BMEL). It advises the Federal Government and the federal states (“Laender”) on questions of food, chemicals and product safety. The BfR conducts its own research on topics that are closely linked to its assessment tasks.

Follow us