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DIE AKADEMIE FRESENIUS

Where Experts Meet!

16th International Akademie Fresenius Conference

Endocrine Disruptors

+++ HYBRID EDITION +++

25 and 26 November 2025 in Dusseldorf/Germany and via Live Stream

Highlights

Regulatory Developments
- ECHA on the implementation of the new CLP hazard classes for endocrine disruptors
- EDs under REACH and CLP: Experience from German UBA and BASF
- Outlook on REACH revision and GHS-related activities
- Pesticides: Updates and experience reports from the EU Commission, ANSES, and industry

Next Generation Testing and Innovative Methods
- BfR on current regulatory acceptance of NAMs
- Readiness of new ED testing methods
- Thyroid: Increasing confidence in the human thyroid microtissue assay
- Using AI: From QSAR predictions to LLM evidence summarisation

Developments in Ecotoxicology
- The SETAC MAPPED initiative
- Tiered assessment schemes linking NAMs to adverse outcomes in aquatic vertebrates

Beyond EATS: New Pathways and European Initiatives
- Next generation risk assessment of obesogenic chemicals: GOLIATH project findings and updates on PARC and AFARA initiatives
- Metabolism-disrupting chemical testing: Advances in methodology and future direction

The Experts

Jürgen Arning German Environment Agency (UBA) | **Arianna Bassan** Innovatune | **Denise Bloch** German Federal Institute for Risk Assessment (BfR) | **Pierre-François Chaton** French Agency for Food, Environmental and Occupational Health & Safety (ANSES) | **ZhiChao Dang** Dutch National Institute for Public Health and the Environment (RIVM) | **Chad Deisenroth** U.S. Environmental Protection Agency (EPA) | **Valery E. Forbes** Florida Atlantic University | **Karma Fussell** Wella | **Jorke Kamstra** Utrecht University | **Laurent Lagadic** Bayer | **Emily McVey** Dutch National Institute for Public Health and the Environment (RIVM) | **Kirsi Myöhänen** European Chemicals Agency (ECHA) | **Torben Österlund** Public-private platform for the validation of endocrine disruptors characterization methods (PEPPER) | **Anette Thiel** Ramboll | **Nikolay Tzvetkov** European Commission | **Markus Wahl** BASF | **Lennart Weltje** BASF

INSTITUT FRESENIUS

SGS

Tuesday, 25 November 2025

Timings are in
Central European Time CET.

Morning Session | 09:00 – 12:35 CET

08:30 On-site registration and opening of the virtual meeting room

09:00 Welcome address by the organisers and the Chairs

Lennart Weltje, BASF, Germany
Emily McVey, National Institute for Public Health and the Environment (RIVM), The Netherlands

Regulatory Developments and Future Perspectives

09:10 Implementation of the new CLP hazard classes for endocrine disruptors

- Classification of endocrine disruptors under the CLP regulation
- ECHA CLP guidance on endocrine disruptors
- Future work by the ECHA ED Expert Group and RAC on endocrine disruptors

Kirsi Myöhänen, European Chemicals Agency (ECHA), Finland (virtually)

09:45 Environmental EDs under REACH – Processes, integration of CLP and perspectives

- Environmental ED assessment
- CLP implications
- Outlook: REACH revision and GHS-related activities

Jürgen Arning, German Environment Agency (UBA), Germany

10:20 Case study on Geraniol: Critical assessment of potential endocrine activity on the thyroid modality and downstream adversities

- Human relevance of potential direct and indirect thyroid effects in vivo, with regulatory implications for REACH, CLP, Biocides, and Pesticides
- Species differences in liver enzyme induction and the question of human relevancy
- Guidance on assessing human relevance and species differences with NAMs and challenges in classification under the CLP ED criteria

Markus Wahl, BASF, Germany

10:55 Coffee break

11:25 Accepting the challenge: Quantitative risk assessment for ED substances with a focus on human health – Initial results and potential way(s) forward

- Development of a guidance for quantitative human health risk assessment for ED substances by the CEFIC Sector Group Biocides for Europe
- Presentation of initial results

Anette Thiel, Ramboll, Germany

12:00 Update on the regulatory processes under Regulation (EC) No 1107/2009

- Status of the active substances under the PPP Regulation, including the specific conditions of approvals
- Recent developments in the field, including developments related to ED

Nikolay Tzvetkov, European Commission, Belgium (virtually)

12:35 Lunch break

Afternoon Session | 13:45 – 18:00 CET

13:45 Member State experience with ED assessments for pesticides

Pierre-François Chaton, French Agency for Food, Environmental and Occupational Health & Safety (ANSES), France

14:20 Experience and perspectives from the pesticide industry

Member of CropLife Europe (confirmed)

14:55 Environmental risk assessment of endocrine-active human pharmaceuticals

ZhiChao Dang, National Institute for Public Health and the Environment (RIVM), The Netherlands

15:30 Coffee break

Developments in Ecotoxicology

16:00 Assessing population relevance of endocrine disrupting effects in fish an amphibians: The SETAC MAPPED initiative

- Population relevance under the ECHA/EFSA ED criteria
- Applying population models to explore the relevance of individual-level responses in standard ecotoxicological tests from endocrine modalities in fish and amphibians
- Identification of focal species and practical applications of population modelling

Valery E. Forbes, Florida Atlantic University, United States of America

16:35 Tiered assessment schemes linking NAMs to adverse outcomes to identify endocrine disruptors in aquatic vertebrates

- Linking *in vitro* responses to individual-level adverse outcomes, and further to population-level responses, using coherent, evidence-based tiered assessment schemes
- Using the assessment of the thyroid modality in amphibians as an example of decision logic to navigate through tier testing
- Forward-looking thinking towards a fish-based tiered assessment scheme for EAS (Estrogen/Androgen/Steroidogenesis) modality

Laurent Lagadic, Bayer, Germany

Next Generation Testing and Innovative Methods

17:10 Advancing the acceptance and use of the human thyroid microtissue assay

- Filling technology gaps for in vitro thyroid testing
- Increasing confidence in the human thyroid microtissue assay as a new approach method
- Integration of thyroid microtissues into an AOP-based tiered screening paradigm to support the context of use

Chad Deisenroth, U.S. Environmental Protection Agency (EPA), United States of America (virtually)

17:45 Final discussion
18:00 End of the first day
18:45 Evening event

After the first conference day, you are welcome to attend our evening event for an unhurried evening of good food and leisure time. We invite you to join us for a little stroll through the famous Düsseldorf Christmas market. Come along to continue the day's interesting discussions in a relaxed and comfortable atmosphere.

Wednesday, 26 November 2025

Morning Session | 09:00 – 13:10 CET

09:00 Brief address by the Chairs

Lennart Weltje, BASF, Germany
Emily McVey, National Institute for Public Health and the Environment (RIVM), The Netherlands

Next Generation Testing and Innovative Methods

09:10 The PEPPER experiences with ring-trial validation of methods in the ED space

- Requirements and readiness of ED test methods
- Organising validation projects
- Submission and review under the OECD TG system

Torben Österlund, Public-private platform for the validation of endocrine disruptors characterization methods (PEPPER), France

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09:45 Current status of the regulatory acceptance of NAMs for ED assessment

- Applicability of read-across to evaluate adversity under plant protection and biocidal products regulation
- Further efforts needed for a harmonised and stand-alone NAM-based approach to predict adverse endocrine effects
- More research to improve the *in vitro* detection of non-EATS mechanisms

Denise Bloch, German Federal Institute for Risk Assessment (BfR), Germany

10:05 Case studies in assessing the endocrine disruption capabilities of cosmetics ingredients without new animal testing serving REACH and cosmetic product regulation requirements

Karma Fussell, Wella, Germany

10:40 Coffee break

11:10 From QSAR predictions to LLM evidence summarisation: Using AI for endocrine disruptor assessment

- Predictive AI: Use of QSARs and machine learning for predicting endocrine activity to safety assessment
- Large Language Models (LLMs): Role of LLMs in summarising scientific evidence, literature, and mechanistic data to support decision-making
- Addressing explainability, accountability, and transparency as critical elements for applying AI in toxicology

Arianna Bassan, Innovatune, Italy

Beyond EATS: New Pathways and European Initiatives

11:45 From data gaps to detection: PARC's contributions to metabolism-disrupting chemical testing

- Critical data gaps related to key substance groups, including PFAS and bisphenol analogues
- Methodological advancements for the detection of metabolism-disrupting chemicals
- Findings and way forward

Denise Bloch, German Federal Institute for Risk Assessment (BfR), Germany

12:20 Next generation risk assessment of obesogenic chemicals in chemical regulation

- Findings from the GOLIATH project (IATA and prevalidation work, chemical selection)
- Ongoing work in PARC and the AFARA project
- Moving further towards Defined Approaches or IATAs

Jorke Kamstra, Utrecht University, The Netherlands

12:55 Summary and final discussion
13:10 Lunch and end of the conference

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Registration

By web **www.akademie-fresenius.com/endocrine**
By email **registration@akademie-fresenius.com**

Hotline **+49 231 75896-50**
Die Akademie Fresenius GmbH
Alter Hellweg 46, 44379 Dortmund

DIE AKADEMIE FRESENIUS

Participation Fee:

€ 1,995.00 plus VAT on-site in Dusseldorf

Representatives of an authority or a public university are eligible for a reduced fee of **€ 895.00 plus VAT** per person (please provide evidence). The reduced fee cannot be combined with other rebates.

€ 1,195.00 plus VAT Live Stream

Representatives of an authority or a public university are eligible for a reduced fee of **€ 695.00 plus VAT** per person (please provide evidence). The reduced fee cannot be combined with other rebates.

If you are unable to attend, you can order the event documentation for **€ 295.00 plus VAT.**

www.akademie-fresenius.com/endocrine

Book now

Do you have any questions?

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The Organisers

For 30 years, Akademie Fresenius has been your partner for practice-orientated training on all the latest topics surrounding the safety and quality of food, consumer goods and chemical products along the whole production chain. Our portfolio not only includes international conferences but also offers national trade meetings, intensive practical seminars and training in small work groups.
Our events are designed to promote an active exchange amongst our participants and offer the perfect platform for bringing the industry, the scientific sector, the authorities and the consulting field together. Excellent service, all-inclusive. Our wide-ranging advanced training opportunities contribute to giving our customers the competitive edge in all quality assurance, risk assessment, legal, production and technical questions.
Akademie Fresenius is a joint venture between Carl Remigius Fresenius Education Group, one of the largest private and independent education groups in Germany, and SGS Institut Fresenius, one of the leading German providers of chemical laboratory analysis.

You can find details on upcoming and new events at
www.akademie-fresenius.com

Who should attend this conference?

Professionals working in the fields of:

- Toxicology and ecotoxicology
- Research and development
- Registration and regulatory affairs
- Chemical risk assessment
- Legal and general counselling

Sectors that should take part:

- Chemical/biocide/agrochemical/pharmaceutical/ cosmetic industries
- Research institutes, Regulatory authorities
- Environmental and health risk consultants
- Testing laboratories and contract research organisations (CROs)
- NGOs

Conference Venue

Novotel Düsseldorf City West
Niederkasseler Lohweg 179, 40547 Düsseldorf
Phone : +49 211 52060-0
Email: h3279@accor.com
https://all.accor.com

We have reserved a limited number of rooms for our participants at the hotel. These rooms can be booked up to 4 weeks prior to the start of the event. Please book early and directly through the hotel quoting „Akademie Fresenius“ as reference.

Terms of Participation and Purchase: The registration fee includes the participation in the event, event documentation, and, in the case of on-site events, lunch, coffee breaks, beverages as well as the evening event. You will receive written confirmation of your registration. Upon receiving our invoice, please transfer the amount due without further deductions before the event begins. The price of the event documentation includes the login details for the secure download section of our webpage where you will find the presentations in a pdf format. The login details will be sent to you via email after the event.

Group Reductions: For joint bookings received from one company we grant a 15% discount from the third participant onwards.

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