



15<sup>th</sup> International Akademie Fresenius Conference

# Endocrine Disruptors

+++ HYBRID EDITION +++

20 and 21 November 2024  
in Dusseldorf/Germany  
and via Live Stream

## Highlights

### Regulatory Developments

- Update from the Commission
- Endocrine Disruptors – Crosstalk between the different EU Regulations on plant protection products, Biocides and REACH
- Industry view on REACH and CLP-related developments
- Current developments regarding Plant Protection Products and CLP
- NGO – view on current developments

### Methods: Studies, NAMs, AOPs

- Eleutheroembryo assays for testing of estrogenic, androgenic and steroidogenic (EAS) activities in fish
- German BfR: Using AOPs to build a WoE analysis for ED assessment

### Thyroid

- German UBA on thyroid endpoints in fish and fish embryo tests
- Update on human relevance of thyroid-liver axis effects
- Case studies applying the ECETOC CLE Thyroid-NDT-TAS to support the identification and classification of substances



## The Experts

**Pavel Balazki** esQLABS | **Alan Breen** Irish Department of Agriculture, Food and the Marine | **Judy Choi** German Federal Institute for Risk Assessment (BfR) | **Stuard Hindle** Dow Europe | **Stephanie Melching-Kollmuss** Crop Life Europe (CLE) / BASF | **Lauren Kent** Corteva Agriscience | **Carsten Lange** BASF | **Chiara Marelli** Team Mastery | **Philipp Marx-Stölting** German Federal Institute for Risk Assessment (BfR) | **Libero Mazzucchelli** Team Mastery | **Emily McVey** Dutch National Institute for Public Health and the Environment (RIVM) | **Ninja Reineke** CHEM Trust | **Simone Rizzuto** European Food Safety Authority (EFSA) | **Helen Tinwell** Bayer CropScience | **Lennart Weltje** BASF | **Nadia Wenske** Knoell | **Jordane Wodli** European Commission | **Andrea Ziková-Kloas** German Environment Agency

## Morning Session 09:20 – 13:00 CET

09:00 On-site registration & opening of the virtual meeting room

09:20 **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

The presentation slots include sufficient time for questions and answers.

## Regulatory Developments

09:30 **Update from the Commission: Endocrine disruptors-related activities**

**Jordane Wodli**, European Commission, Belgium (virtual presentation)

10:05 **Update from EFSA: toxicological and ecotoxicological ED assessments**

**Simone Rizzuto**, European Food Safety Authority (EFSA), Italy

10:40 **Endocrine Disruptors – Crosstalk between the different EU Regulations: Regulatory differences between legislation on plant protection products, biocides and REACH**

**Chiara Marelli/Libero Mazzucchelli**, Team Mastery, Italy

11:25 Coffee break

11:55 **Current developments regarding plant protection products (PPPs) and CLP – a short overview**

**Helen Tinwell**, Bayer CropScience, France

12:20 **Current developments regarding REACH and CLP – a short overview**

**Stuard Hindle**, Dow Europe, Switzerland

12:45 Discussion

13:00 Lunch break

## Afternoon Session 14:00 – 17:40 CET

14:00 **Member state view on endocrine disruptors in the REACH, plant protection and CLP regulation**

**Alan Breen**, Department of Agriculture, Food and the Marine, Ireland

14:35 **Vulnerability assessments in the ED context with focus on human health**

- Comparison of screening exercises for substances under different regulations
- Chances and challenges of vulnerability assessments
- Conclusions on ED and CLP

**Nadia Wenske**, Knoell, Germany

15:10 Coffee break

15:40 **NGO – view on current developments**

- CLP hazard classes and ED guidance
- Interface EDs in CLP and REACH
- Discussing ED hazard classes as part of GHS

**Ninja Reineke**, CHEM Trust, Germany

## Methods: Studies, NAMs, AOPs

16:15 **Eleutheroembryo assays for testing of estrogenic, androgenic and steroidogenic (EAS) activities in fish**

- Introduction to ED fish embryo assays
- Eleutheroembryos as “non-animal models”
- Implementation into assessment strategy of the ECHA/EFSA ED guidance

**Carsten Lange**, BASF, Germany

16:50 **Thresholds of adversity for endocrine disrupting substances: a conceptual case study**

**Judy Choi**, German Federal Institute for Risk Assessment (BfR), Germany

17:25 Final discussion

17:40 End of the first day

18:30 Evening event



After the first conference day you are most welcome to attend our evening event for an unhurried evening of good food and leisure time. Please, join us to continue the day's interesting discussions in a relaxed and comfortable atmosphere.

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Information available online at:  
[www.akademie-fresenius.com/endocrine](http://www.akademie-fresenius.com/endocrine)

# Thursday, 21 November 2024

## Morning Session 09:30 – 13:30 CET

### 09:30 Brief address by the Chairs

Lennart Weltje, BASF, Germany

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

## Methods: Studies, NAMs, AOPs

### 09:40 Using AOPs to build a WoE analysis for ED assessment

Philipp Marx-Stölting, German Federal Institute for Risk Assessment (BfR), Germany

## Thyroid

### 10:15 Update on thyroidal endpoints in fish and amphibian tests

- Endpoints according to ECHA/EFSA guidance
- New biomarkers/NAMs
- Potential refinement of the amphibian metamorphosis assay

Andrea Ziková-Kloas, German Environment Agency (UBA), Germany

### 10:50 Update on the human relevance of thyroid-liver axis effects seen in rats – challenges and evidential considerations

- Species differences and similarities
- Indications from regulatory guidance and the available tools
- Assessment of human relevance and interpretation in the regulatory framework

Lauren Kent, Corteva Agriscience, United Kingdom

### 11:25 Coffee break

Timings are in  
Central European Time [CET](#).

### 11:55 Thyroid hormone modelling and PBPK using a pregnancy and a lactation model

Pavel Balazki, esQLABS, Germany

### 12:30 Case studies applying the ECETOC CLE Thyroid-NDT-TAS to support the identification and classification of substances that meet the endocrine disruptor criteria for the thyroid modality

- ECETOC/CLE Thyroid Function – Neurodevelopmental – Testing and Assessment Scheme (Thyroid-NDT-TAS)
- Correlation between thyroid hormone effects in offspring animals and neurodevelopmental toxicity and thresholds (ECETOC Thyroid Task Force)
- Criteria to differentiate between CLP Criteria ED HH Cat 1 and ED HH Cat 2
- Adverse Outcome Pathway and species difference investigations

Stephanie Melching-Kollmuss, Crop Life Europe (CLE) / BASF, Germany

### 13:05 Summary and final discussion

### 13:30 Lunch and end of the Conference

## On-site and in person or digitally via our Live Stream – the choice is yours!

Connect with your colleagues, clients and partners, network with old and new acquaintances – and just enjoy the on-site event in Dusseldorf, Germany.

Should you have missed the opportunity to secure one of our on-site places – or prefer not to travel, you can follow the contributions and discussions from the location of your choice: Via our Live Stream!

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# Registration

By web [www.akademie-fresenius.com/endocrine](http://www.akademie-fresenius.com/endocrine)  
By email [registration@akademie-fresenius.com](mailto:registration@akademie-fresenius.com)

## 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**.

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## Do you have any questions?



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## The Organisers

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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.

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

**Terms of Cancellation:** For our on-site events, written cancellations or transfers will be accepted free of charge up to four weeks prior to the start of the event. After this date and up to a week prior to the start of the event we will reimburse 50% of the registration fee. We cannot, unfortunately, provide refunds for later cancellations. For our online events, cancellations or rebookings to another event will be accepted free of charge up to one week before the start of the event. In the event of later cancellations or non-login to the online event, no participation fees can be refunded. In this

## Who should take part?

### Professionals working in the field of

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

### Sectors taking part:

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

## Conference Venue

**Novotel Düsseldorf City West**  
Niederkaßeler Lohweg 179, 40547 Düsseldorf  
Phone : +49 211 52060-0  
Email: [h3279@accor.com](mailto:h3279@accor.com)  
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We have reserved a limited number of rooms for our participants at reduced rates at the hotel. These rooms can be booked up to four weeks prior to the start of the event. Please book early and directly through the hotel quoting "Akademie Fresenius" as reference.

Of course, participation via our Live Stream is also possible!

case, however, you will receive access to the documentation download after the event. Please note that you can name a substitute participant free of charge at any time.

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