



International Akademie Fresenius Conference

QSAR and Read-across in Toxicological Assessments

+++ ONLINE CONFERENCE +++

28 April 2021

Highlights

QSAR – focus on genotoxicity – practical examples and experiences

- EFSA on the use of in silico tools in regulatory risk assessment – examples
- QSAR for the evaluation of genotoxicity of pesticide impurities and residues – an industry perspective
- Recent experiences and challenges of providing QSAR services – view from consultancy
- Current application of in silico tools for genotoxicity assessment

Read-across – focus on general toxicity

- View from a regulator in the US and research in the read-across area
- EFSA on challenges and opportunities for read-across in food safety assessment
- Grouping of substances and read-across approaches under REACH – a regulator's perspective
- Advancing the implementation of QSAR and read-across approaches in regulatory assessment of pesticide metabolites and impurities
- Grouping and read-across for the assessment of pesticide metabolites



The Experts

Susanne Hougaard Bennekou Danish Technical University (DTU) |
Tamara Coja Austrian Agency for Health and Food Safety (AGES) |
Markus Frericks BASF | **Alex Gledhill** ERM – Environmental Resources Management | **Anja Hüser** Bayer Crop Science Division | **Georges Kass** European Food Safety Authority (EFSA) | **Carsten Kneuer** German Federal Institute for Risk Assessment (BfR) | **Anax Oliveira** Lhasa | **Grace Patlewicz** U.S. Environmental Protection Agency (EPA) | **Rositsa Serafimova** European Food Safety Authority (EFSA) | **Eric Stilgenbauer** European Chemicals Agency (ECHA)

Morning Session 9:00 – 12:00 CEST

Welcome address by Akademie Fresenius and introduction by the Chairs

Tamara Coja, Austrian Agency for Health and Food Safety (AGES), Austria

Susanne Hougaard Bennekou, Danish Technical University (DTU), Denmark

QSAR – focus on genotoxicity – practical experiences

Use of *in silico* tools in the regulatory risk assessment – examples

Rositsa Serafimova, European Food Safety Authority (EFSA), Italy

QSAR for the evaluation of genotoxicity of pesticide impurities and residues – An industry perspective

Markus Frericks, BASF, Germany

Recent experiences and challenges of providing QSAR services – view from consultancy (pesticides and general)

Alex Gledhill, ERM – Environmental Resources Management, UK

Current application of *in silico* tools for genotoxicity assessment

- Background on expert rule-based and statistical-based tools
- Regulatory acceptance of *in silico* tools for genotoxicity assessment
- Practical examples

Anax Oliveira, Lhasa, UK

How will this online conference work?

Our online conference will be live – with interactive participation – and will be held in the English language. Prior to the conference, we will provide you with your login details which will allow you to participate and ask questions from your preferred location. All you need is a stable internet connection and an audio hardware system – and away you go!

Afternoon Session 13:30 – 17:00 CEST

Read-Across – focus on general toxicity

Challenges and opportunities for read-across in food safety assessment

Georges Kass, European Food Safety Authority (EFSA), Italy

Grouping of substances and read-across approaches under REACH – a regulator's perspective

- Concept of read-across under REACH
- The read-across assessment framework
- Frequently identified issues and challenges

Eric Stilgenbauer, European Chemicals Agency (ECHA), Finland

Perspective of a Member State authority

- Advancing the implementation of QSAR and read-across approaches in regulatory assessment of pesticide metabolite and impurities
- Expectations
- Current practice and perspectives

Carsten Kneuer, German Federal Institute for Risk Assessment (BfR), Germany

View from a regulator in the U.S.

- U.S. EPA Research to develop a data driven read-across approach known as Generalised Read-Across (GenRA)
- The GenRA tool and the ongoing research to quantify the impact of other contexts of similarity e.g. bioactivity, metabolism in predicting *in vivo* toxicity outcomes
- Update on the progress being made in developing PFAS chemical categories informed by chemistry and NAM data
- Activities from the ICCVAM read-across workgroup (RAWG)

Grace Patlewicz, U.S. Environmental Protection Agency (EPA), USA

Grouping and read-across for the assessment of pesticide metabolites

- Relevant guidance for grouping and read-across
- Tools for grouping and read-across
- Read-across frameworks for specific compound classes

Anja Hüser, Bayer Crop Science Division, Germany

End of the online conference

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Information available online at:
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Registration

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Participation Fee: € 595.00 plus VAT

Representatives of an authority or a public university are eligible for a reduced fee of € 295.00 plus VAT per person (please provide evidence). The reduced fee cannot be combined with other rebates.

If you are unable to attend the online event, you can order the event documentation for € 195.00 plus VAT. It will be available after the online event through the download area of our website where you will find the latest versions of the presentations as pdf files.

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Do you have any questions?



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The Organisers

For more than 25 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 Cognos, 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
- ✓ Registration
- ✓ Marketing & distribution
- ✓ Human exposure & risk assessment
- ✓ Research & development
- ✓ Product stewardship & responsible care
- ✓ Human / consumer safety – crop protection

Sectors taking part:

- ✓ Agrochemical industry
- ✓ Research institutes
- ✓ Authorities
- ✓ Professional associations
- ✓ Contract laboratories

Terms of Participation and Purchase: The registration fee includes the participation in the online event and the event documentation for download. 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 access to the secure Akademie Fresenius download area on our website. The secure access code will be dispatched around two weeks after the event and as soon as advance payment has been received.

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