

International Akademie Fresenius Conference

NAMs and Next Generation Risk Assessment for Food Safety

+++ ONLINE CONFERENCE +++

7 March 2024

Highlights

- NAMs and industry perspective
- Case study MCPD
- The pyrrolizidine alkaloid story – a case study to use NAMs in quantitative risk assessment
- Application of NAMs for product development and regulatory registration – EFSA Roadmap for action on NAMs
- IVIVE: Recent developments at EFSA to integrate human variability in toxicokinetics in chemical risk assessment
- PBPK modelling: Building confidence in PBK step by step – an OECD perspective
- Incorporation of in vitro experimental systems for plant-based ingredient evaluation
- Toxicity testing and chemical composition of plant-based materials
- Human biological relevance: Next generation toolbox
- Omics: Transcriptomics



The Experts

Danilo Basili Nestlé Research | **Sylvia Escher** Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM) | **Denis Fourches** Ortho Bio | **Paul Hepburn** Unilever | **Catherine Mahony** Procter & Gamble | **Maricel Marin-Kuan** Nestlé Research | **Gina Montoya Parra** Nestlé Research | **James F. Rathman** Admira (MN-AM) | **Elena Reale** Nestlé Research | **Dieter Schrenk** University of Kaiserslautern-Landau | **Imran Shah** U.S. Environmental Protection Agency (EPA) | **Martin Wilks** Swiss Centre for Applied Human Toxicology (SCAHT)

Thursday, 7 March 2024

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

Morning Session 09:00 – 12:50 CET

Welcome address by Akademie Fresenius and introduction by the Chairs

Gina Montoya Parra, Nestlé Research, Switzerland
Martin Wilks, Swiss Centre for Applied Human Toxicology (SCAHT), Switzerland

Human Biological Relevance: Next Generation Toolbox

Danilo Basili, Nestlé Research, Switzerland

IVIVE: Recent developments at the European Food Safety Authority to integrate human variability in toxicokinetics in chemical risk assessment

Jean-Lou Dorne, European Food Safety Authority (EFSA), Italy (invited)

Physiologically based pharmacokinetic (PBPK) modelling: Building Confidence in physiologically based kinetic (PBK) step by step – an OECD perspective

Elena Reale, Nestlé Research, Switzerland

Application of NAMs for product development and regulatory registration – EFSA roadmap for action on NAMs

Sylvia Escher, Fraunhofer Institute for Toxicology and Experimental Medicine (ITEM), Germany

Incorporation of in vitro experimental systems for plant based ingredient evaluation

Maricel Marin-Kuan, Nestlé Research, Switzerland

Toxicity testing and chemical composition of plant based materials

Dieter Schrenk, University of Kaiserslautern-Landau, Germany

Afternoon Session 13:50 – 16:40 CET

In silico: Understanding the concept of similarity and its applications to toxicological research and risk assessment

Denis Fourches, Oerth Bio, USA

A transcriptomic NAM to investigate chemical targets and Point of Departures (PoDs)

Imran Shah, U.S. Environmental Protection Agency (EPA), USA

The pyrrolizidine alkaloid story – a case study to use NAMs in quantitative risk assessment

Catherine Mahony, Procter & Gamble, UK

Case study MCPD

James F. Rathman, Altamira (MN-AM), Columbus, USA

NAMs and industry perspective

Paul Hepburn, Unilever, 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!



Information available online at:
www.akademie-fresenius.com/3456

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Registration

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By email registration@akademie-fresenius.com

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Alter Hellweg 46, 44379 Dortmund



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FRESENIUS

Participation Fee: € 895.00 plus VAT

Representatives of an authority or a public university are eligible for a reduced fee of € 595.00 plus VAT per person (please provide evidence). The reduced fee cannot be combined with other rebates.

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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 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 will benefit from this conference?

Professionals working in the fields of:

- ✓ Experimental, computational and regulatory toxicology
- ✓ Computational modelling
- ✓ Product development
- ✓ Human exposure
- ✓ Risk assessment
- ✓ Hazard & risk management
- ✓ Product & human safety

Sectors that should take part:

- ✓ Food industry
- ✓ Plant protection industry
- ✓ Food and veterinary inspection offices
- ✓ Laboratories
- ✓ Research institutes
- ✓ Authorities
- ✓ Professional associations

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.

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

Terms of Cancellation: Cancellations or rebookings to another event are possible in writing without giving reasons and free of charge up to one week before the start of the online event. In the event of later cancellations or non-login to the online event, no participation fees can be refunded. In this 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.

General Terms and Conditions: By registering, you agree to our General Terms and

Conditions as well as to our Privacy Policy. You can find our GTC on the internet (www.akademie-fresenius.com/general-terms) or receive them on request.

Personal Data: The Akademie Fresenius will keep your data for the purpose of organising this event. We will under no circumstances use your data for commercial trade purposes. By registering for this online event, you consent to our occasionally contacting you by mail, email or phone in order to provide you with further information from our company. You can, of course, withdraw your consent whenever you wish. During this online event, image and sound content is transmitted, which may originate from the speakers and from the participants. By registering, you agree that this content may be transmitted within the virtual event space. All participants are prohibited from recording this content. Further information can be found at: www.akademie-fresenius.com/dataprotection.

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