DIE AKADEMIE FRESENIUS

Where Experts Meet!

Online Training

Genetic Toxicology in Chemical Safety Assessment

16 April 2027, Online



This training is aiming to give you the basic knowledge on genetic toxicology across different sectors – including industrial chemicals, plant protection products, biocides, cosmetics, and food and feed, with an overview of assay conduct, data generation and evaluation. This will be delivered virtually in a compact format of an intensive morning and afternoon session with the opportunity to ask questions.

Learning Outcomes

- Learn all about regulatory approved genotoxicity tests and their interpretation across sectors
- Learn the relevance of historical control data
- Learn different types of DNA damage and get an overview on DNA repair
- Learn about gene mutation and chromosomal damage, data generation and evaluation
- Learn how to use in vivo mammalian genotoxicity follow-on approaches

Morning Session | 09:30 – 11:45 | CEST

Welcome address and introduction

Overview of genotoxic damage and data generation

- Types of DNA damage and an overview of DNA repair
- Overview of the regulatory approved genotoxicity tests available across regulatory frameworks (REACH, BPR, PPP, Cosmetics, Food/Feed)
- Relevance of historical control data to aid assay acceptability and data interpretation

In vitro bacterial and mammalian gene mutation damage, data generation and evaluation

- Bacterial (reverse) gene mutation assay overview and data interpretation
- Mammalian (forward [tk / hprt]) gene mutation assay overview and data interpretation

Afternoon Session | 12:45 – 14:45 | CEST

In vitro mammalian structural and numerical chromosomal damage, data generation and evaluation

- Mammalian micronucleus assay overview and data interpretation
- Why the mammalian chromosomal aberration assay does not address aneugenicity

In vivo mammalian genotoxicity follow-on approaches

- Rodent bone marrow micronucleus assay overview and data interpretation
- Rodent comet and transgenic assay overview and data interpretation, and which one to use

Questions and answers
End of the training

Timings are in Central European Summer Time CEST.

Participation Fee

€ 695.00 plus VAT

The Expert

Damian Bowen, ERM

Registration

By web **www.akademie-fresenius.com/4235**
By email **registration@akademie-fresenius.com**

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

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Participation Fee:

€ 695.00 plus VAT

Representatives of an authority or a public university are eligible for a reduced fee of **€ 495.00 plus VAT** per person (please provide evidence). The reduced fee cannot be combined with other rebates.

www.akademie-fresenius.com/4235

Book now

Do you have any questions?



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The Organisers

For more than 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 will benefit from this training?

Professionals in the fields of:

- Toxicology
- Ecotoxicology
- Exposure assessment
- Risk assessment
- Registration
- Regulatory & government affairs
- Monitoring & computer modelling

Sectors that should take part:

- Agrochemical, chemical, biocide, cosmetic, food and feed industry
- Competent authorities, regulatory bodies and research institutes
- Consultancies

How will this online training work?

Our online training will be live – with interactive participation – and will be held in the English language. The training will be conducted using the meeting tool Zoom. Prior to the training, we will provide you with your login details, which will allow you to participate and ask questions from your preferred location. Simply log in on the day of the training – and away you go!

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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