PROGRAMME

THE World Mycotoxin Forum®

15TH CONFERENCE

WMF meets Salzburg

7-9 APRIL 2025

SALZBURG · AUSTRIA

www.WorldMycotoxinForum.org

updated 24/03/2025

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Welcome to *WMFmeetsSalzburg*

The common thread running through ***WMFmeetsSalzburg***, the 15th conference of **The World Mycotoxin Forum®**, is 'building a resilient food system in the digital decade – challenges for mycotoxin research and management'.

The conference will offer an excellent way to network, share ideas, and formulate recommendations and conclusions on how to close knowledge gaps. It will include:

- presentations and discussions in plenary meetings and parallel sessions
- poster sessions
- young scientists forum
- company pitches and industry updates covering a wide range of topics
- workshops
- a concurrent instrument/manufacturers exhibition providing information on equipment, products, and services.

WMFmeetsSalzburg is held at Salzburg Congress, one of the most remarkable congress venues in Europe. On the verdant edge of the world-famous Mirabell park gardens in the heart of the city, the facility with its tasteful architecture and harmonious design is an ideal venue for the delegates and sponsors of **The World Mycotoxin Forum®**.

About Salzburg

Wolfgang Amadeus Mozart, the Salzburg Festival and 'The Sound of Music' are just 3 reasons for Salzburg's world fame as a city of music and culture, a UNESCO world heritage site!
The baroque city with its uniquely distinct skyline generates special kind of magic that makes attending **The World Mycotoxin Forum®** an overall experience.

About The World Mycotoxin Forum®

The World Mycotoxin Forum® is the leading international meeting series on mycotoxins dedicated to assembling the world's best minds across the spectrum of integrated strategies ensuring the safety and security of the food and feed supply chain. **The World Mycotoxin Forum®** brings together a holistic conference programme covering the latest issues in mycotoxin management and is targeted at everyone working in the mycotoxin space – researchers, food and feed industry, laboratories, policy makers, and enforcement agencies from around the world.

The main objectives of The World Mycotoxin Forum® are...

- **to provide a unique platform for the food and feed industry, regulatory authorities and science**
- **to exchange information and experiences on the various aspects of mycotoxins**
- **to review current knowledge related to mycotoxins in food and feed**
- **to discuss strategies for prevention and control of mycotoxin contamination ensuring the safety and security of the food and feed supply, and protecting human and animal health**
- **to promote solutions for the control of mycotoxin contamination along conventional and organic supply chains**

...for a sustainable, safe, and inclusive food future!

General Conference Chairs

- Prof. Rudolf Krska — *Department IFA-Tulln, BOKU Vienna, Austria*
- Prof. Chris Elliott — *The Institute for Global Food Security, Queen's University Belfast, UK*

Steering Committee

- Prof. Sarah De Saeger — *Centre of Excellence in Mycotoxicology and Public Health, Ghent University, Belgium*
- Prof. Chiara Dall'Asta — *Department of Food and Drug, University of Parma, Italy*
- Dr Sheryl Tittlemier — *Grain Research Laboratory, Canadian Grain Commission, Canada*

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- Dr Lien Thi Kim Phan — *Ho Chi Minh City University of Food Industry, Vietnam*
- Dr Kanniah Rajasekaran — *U.S. Department of Agriculture, USA*
- Dr Lindy J. Rose — *Stellenbosch University, South Africa*
- Prof. Michele Suman — *Barilla and Università Cattolica del Sacro Cuore, Italy*
- Dr Gunnar Sundstøl Eriksen — *Norwegian Veterinary Institute, Norway*
- Dr Yueju Zhao — *Mars Global Food Safety Center, China*

Conference Secretariat

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PROGRAMME AT A GLANCE

Sunday 6 April 2025

18:30 – 20:00	*Welcome reception – sponsored by* R-Biopharm	

Monday 7 April 2025

11:00 – 12:30	*Registration & light lunch*	EXHIBITION
12:30 – 12:45	OPENING SESSION Welcome to *WMFmeetsSalzburg*	
12:45 – 14:15	PLENARY SESSION The role of digitalization and AI in mycotoxin research and management	
14:15 – 14:45	INTERACTIVE DEBATE AI in mycotoxin research and management: Game changer or just hype?	
14:45 – 15:15	*Networking break & poster viewing*	
15:15 – 16:30	PLENARY SESSION Building resilience in regional food systems	
16:30 – 18:00	SPEED PRESENTATIONS AND COMPANY PITCHES (short presentations by selected posters presenters and by sponsors, respectively)	
18:00 – 19:00	*Wine & cheese tasting – sponsored by* dsm-firmenich *and* Romer Labs	

Tuesday 8 April 2025

08:30 – 10:30	SESSION 1 Mycotoxins in One Health perspective – Part 1	SESSION 2 Mycotoxin management and risk mitigation: Current status, future opportunities	EXHIBITION
10:30 – 11:00	*Networking break & poster viewing*		
11:00 – 12:30	SESSION 3 Mycotoxins in One Health perspective – Part 2	SESSION 4 Mycotoxin control at farm level: Towards precision agriculture	
12:30 – 14:00	*Lunch break & poster viewing*		
12:45 – 13:45	WORKSHOPS		
14:00 – 15:15	SESSION 5 Drivers affecting exposure to mycotoxins: What's up, Doc?	SESSION 6 Mycotoxin occurrence and control: The focus on fungi	
15:15 – 15:45	*Networking break & poster viewing*		
15:45 – 16:45	SESSION 7 Societal relevance and impact of mycotoxin research	SESSION 8 Mycotoxin detection: On-site agri-food applications	
16:45 – 17:45	WMF YOUNG SCIENTISTS FORUM *sponsored by Selko*		
19:30 – 22:30	*Conference dinner (reservations only)*		

Wednesday 9 April 2025

09:00 – 10:30	SESSION 9 Late-breaking mycotoxin research	SESSION 10 Smart approaches for mycotoxin analysis	EXHIBITION
10:30 – 11:00	*Networking break & poster viewing*		
11:00 – 12:15	PLENARY SESSION Building a resilient food system in the digital decade – Challenges for mycotoxin research and management		
12:15 – 12:30	Best Poster Award and Societal Impact Reward		
12:30 – 13:00	*WMFmeetsSalzburg* – Top Five Answers Learned		
13:00	CLOSING		
13:30 – 14:30	General Assembly of the International Society for Mycotoxicology		

REGISTRATION & LIGHT LUNCH
11:00 – 12:30

OPENING SESSION
Welcome to *WMFmeetsSalzburg* – 15th conference of The World Mycotoxin Forum

General Conference Chairs:
- Prof. Rudolf Krska, *Department IFA-Tulln, BOKU Vienna, Austria*
- Prof. Chris Elliott, *Institute for Global Food Security, Queen's University Belfast, UK*

12:30 Introduction to *WMFmeetsSalzburg*

PLENARY SESSION
The role of digitalization and AI in mycotoxin research and management

Chairs: Prof. Rudolf Krska, *BOKU Vienna, Austria*
Prof. Chris Elliott, *Queen's University Belfast, UK*

12:45 **The scAInce of chemical risk assessment in food**
Prof. Thomas Hartung, *Department of Environmental Health and Engineering, Johns Hopkins University, USA*

13:05 **How can AI help mycotoxin research and management?**
Prof. Ine van der Fels, *Wageningen Food Safety Research and Business Economics Group, Wageningen University & Research, the Netherlands*

13:25 **Harnessing AI for enhanced mycotoxin risk management strategies**
Dr Ioannis Zachos, *Animal Nutrition and Health R&D Center, dsm-firmenich, Germany*

13:40 **From data to detection: AI-driven mycotoxin detection**
Dr Alan Inglis, *Hamilton Institute, Maynooth University, Ireland*

13:55 **Harnessing collective intelligence (= AI x human expertise) for food safety in Africa**
Peter Schelstraete, *Ubuntoo, the Netherlands*

14:15 – 14:45
INTERACTIVE DEBATE
AI in mycotoxin research and management: game changer or just hype?

Across the entire business spectrum, from SMEs to large multinational corporations, people are racking their brains to solve major puzzle pieces:
- *How to get AI work for you?*
- *Where do the biggest opportunities lie?*
- *What are the pitfalls and downsides of AI?*
- *When to say 'yes' (and 'no') to AI?*

Moderators:
Prof. Rudolf Krska, *Department IFA-Tulln, BOKU Vienna, Austria*
Prof. Chris Elliott, *Institute for Global Food Security, Queen's University Belfast, UK*

The floor will be open for a lively discussion involving Prof. Thomas Hartung, Prof. Ine van der Fels, Dr Ioannis Zachos, Dr Alan Inglis, Peter Schelstraete, and all participants.

14:45 – 15:15
Networking break

PLENARY SESSION

Building resilience in regional food systems

Chair: Dr Carol Verheecke-Vaessen, *Cranfield University, UK*

15:15 **Mycotoxin awareness: Paving the way to food safety and security in Central America**
Dr Andreia Bianchini, *Department of Food Science and Technology, University of Nebraska-Lincoln, USA*

15:30 **Mycotoxins and climate change: Challenges in South American countries for small farmers' production to increase resilience**
Dr Claudia Foerster, *Institute of Agri-Food, Animal and Environmental Sciences, Universidad de O'Higgins, Chile*

15:45 **FOCUS ON AFRICA**:

- **Food Safety for Africa project, addressing food safety challenges in the African informal sector**
  Dr Titilayo Falade, *International Institute of Tropical Agriculture, Nigeria*
- **UP-RISE: Tackling mycotoxin challenges for inclusive and resilient food systems in Africa**
  Prof. Sarah De Saeger, *Centre of Excellence in Mycotoxicology and Public Health, Ghent University, Belgium*

16:15 **Climate-friendly, safe, resilience, and sustainable agri-food value chains in the greater Mekong subregion with a focus on mycotoxins**
Dr Awanwee Petchkongkaew, *Thammasat University and International Joint Research Centre on Food Security, Thailand*

16:30 **An integrated approach to reducing mycotoxins in Irish cereal grains**
Prof. Fiona Doohan, *School of Biology and Environmental Science, University College Dublin, Ireland*

PLENARY SESSION

Speed presentations and company pitches

Short presentations by selected poster presenters to provide an overview of their research and by sponsors to inspire the audience to visit their booths, respectively.

Chair: Dr Lien Thi Kim Phan, *Ho Chi Minh City University of Food Industry, Vietnam*

16:45 **Company pitches**
R-Biopharm – Romer Labs – Adisseo – Bioeasy – Selko

17:15 **Speed presentations**
Baozhu Guo, *ARS-USDA, USA* – Esther Lima de Paiva, *INRAE, France* – Monica Ermolli, *EC-JRC, Italy* – Donato Greco, *ISPA-CNR, Italy*

17:40 **Company pitches**
Biōnte – Gold Standard Diagnostics – Patent CO. – EnviroLogix

18:00 – 19:00
WINE & CHEESE TASTING
Sponsored by dsm-firmenich/Romer Labs

SESSION 1

Mycotoxins in One Health perspective – Part 1

To manage the threat posed to health (human, animal, and environmental), a multifaceted 'One Health' approach to mycotoxin research is required.

Chairs: Prof. Marthe De Boevre, *Ghent University, Belgium*
Dr Yueju Zhao, *Mars Global Food Safety Center, China*

08:30 **Hazard assessment of mycotoxins for humans and animals: A European perspective in the light of climate change**
Dr Isabelle Oswald, *ToxAlim, INRAE, France*

08:45 **Differential diagnosis of mycotoxicosis is key for effective risk management**
Dr Swamy Haladi, *Trouw Nutrition, India*

09:00 **Citrinin in human urine and blood - sources of exposure and impact of food processing**
Dr Benedikt Cramer, *Institute for Food Chemistry, Universität Münster, Germany*

09:15 **Silent threats: Can mycotoxins fuel neurodegenerative diseases?**
Dr Miguel A. Faria, *REQUIMTE-LAQV, University of Porto, Portugal*

09:30 **Exploring links between multimycotoxin exposure and colorectal cancer through human biomonitoring and genotoxicity tests**
Yasmine Bader, *Centre of Excellence in Mycotoxicology and Public Health, Ghent University, Belgium*

09:45 **Unravelling the synergistic impact of exposures to mycotoxins and Epstein Barr virus at early stages of Burkitt lymphomagenesis**
Dr Rita Khoueiry, *Epigenomics and Mechanisms Branch, International Agency for Research on Cancer, World Health Organization, France*

10:00 **Renal excretion of DON and T-2/HT-2 toxin in humans in an everyday situation**
Hannah McKeon, *National Institute for Public Health and the Environment, the Netherlands*

10:15 **One Health approaches to mycotoxin research: Impact of beauvericin and enniatin B on aquatic ecosystems and global food safety**
Dr Ana Juan-García, *Laboratory of Food Chemistry and Toxicology, University of Valencia, Spain*

10:30 – 11:00
Networking break

Poster viewing

SESSION 2

Mycotoxin management and risk mitigation – Current status, future opportunities

Chairs: Dr Sheryl Tittlemier, *Canadian Grain Commission, Canada*
Dr Gunnar Sundstøl Eriksen, *Norwegian Veterinary Institute, Norway*

08:30 **Approach to facilitate prioritization of natural toxins for risk management**
Prof. Michele Suman, *Barilla SpA and Università Cattolica del Sacro Cuore, Italy*

08:45 **Left censoring approaches to estimate mycotoxin concentrations in raw materials**
Dr Biagio Zaffora, *Nestlé, Switzerland*

09:00 **A novel mechanism for DON detoxification**
Dr Chris Garnham, *London Research & Development Centre, Agriculture and Agri-Food Canada, Canada*

09:15 **Novel enzymatic approach for decontaminating ochratoxin A in feed and food**
Dr Christoph Gonaus, *Animal Nutrition and Health R&D Center, dsm-firmenich, Austria*

09:30 **A novel enzyme for detoxification of fumonisins**
Prof. Manuel Ferrer, *Institute of Catalysis and Petrochemistry, Spanish Council for Scientific Research, Spain* and Dr Jog Raj, *Patent CO., Serbia*

09:45 **Monitoring complementary *in vitro* and *in vivo* models is key for a proper anti-mycotoxin solution**
Dr Damien Prévéraud, *Adisseo, France*

10:00 **Comparison of multi-strain and single strain biocontrol formulations for mitigation of maize aflatoxin contamination in the USA**
Dr Hillary Mehl, *Pest Management & Biological Control Research Unit, ARS-USDA, USA*

10:15 **Integrating environmental factors and machine learning to predict *Alternaria* mycotoxin contamination in tomatoes**
Yimin Zhang, *Business Economics Group, Wageningen University & Research, the Netherlands*

10:30 – 11:00
Networking break

Poster viewing

SESSION 3

Mycotoxins in One Health perspective – Part 2

Chairs: Dr Isabelle Oswald, *INRAE, France*
Thomas Pecqueur, *Cargill, Canada*

11:00 **Global patterns and impact of acute aflatoxicosis: Insights from a systematic review**
Dr Tess Goessens, *Centre of Excellence in Mycotoxicology and Public Health, Ghent University, Belgium*

11:15 **Dietary exposure to DON negatively impacts the production performance of laying hens**
Dr Regiane Santos, *Schothorst Feed Research, the Netherlands*

11:30 **One Health approach to mycotoxin surveillance: Biomarkers of subclinical fumonisins, DON, and zearalenone exposure in poultry**
Dr Revathi Shanmugasundaram, *U.S. National Poultry Research Center, ARS-USDA, USA*

11:45 **Absolute oral bioavailability and quantitative toxicokinetics of *Alternaria* mycotoxins in pigs**
Prof. Siska Croubels, *Department of Pathology, Pharmacology & Zoological Medicine, Ghent University, Belgium*

12:00 **Delving into the field microbiome for mycotoxin mitigation: A case study for the control of *Fusarium* head blight of cereals**
Dr Adeline Picot, *Ecole Supérieure d'Ingénieurs en Agroalimentaire de Bretagne atlantique, Université de Bretagne Occidentale, France*

12:15 **Company pitches**
Impextraco – Olmix – Alltech – Waters | Vicam

12:35 – 14:00
Lunch break

Poster viewing

12:45 – 13:45
WORKSHOPS

SESSION 4

Mycotoxin control at farm level – Towards precision agriculture

Precision agriculture is revolutionizing the agriculture sector all over the world by having many potential benefits in, e.g., crop quality, food safety, and environmental protection. What's up for mycotoxin prevention and control?

Chairs: Prof. Ine van der Fels, *Wageningen Food Safety Research, the Netherlands*
Prof. Carlos A.F. Oliveira, *University of São Paulo, Brazil*

11:00 **Predicting the next outbreak: Models for *Fusarium* head blight and deoxynivalenol**
Prof. Erick DeWolf, *Department of Plant Pathology, Kansas State University, USA*

11:15 **The potential of spectroscopy techniques for *in situ* measurement and mapping of *Fusarium* head blight and DON in cereal crops**
Prof. Abdul Mouazen, *Department of Environment, Ghent University, Belgium*

11:30 **Detection of *Fusarium* head blight in winter wheat fields using imaging spectroscopy and deep learning**
Xinxin Wang, *Wageningen Food Safety Research, the Netherlands*

11:45 **Rapid detection of plant pathogens and fungicide sensitivity to control mycotoxin contamination**
Prof Jonathan West, *Protecting Crops and the Environment Division, Rothamsted Research, UK*

12:00 **The trilogy in mycotoxin management – prediction, detection, and interpretation**
Carrie Maune, *Trilogy Analytical Laboratory, USA*

12:15 **Company pitches**
Charm Sciences – ProGnosis Biotech – Neogen – Pribolab

12:35 – 14:00
Lunch break

Poster viewing

12:45 – 13:45
WORKSHOPS

SESSION 5

Drivers affecting exposure to mycotoxins: What's up, Doc?

With climate change, political crises, and the shift to more plant-based proteins the potential for mycotoxins contaminating food products is only increasing. A selection of hot topics.

Chair: Prof. Chiara Dall'Asta, *University of Parma, Italy*

14:00 **Beyond farm to table: When climate and conflict add a risky flavour to your food**
Dr Bert Popping, *FOCOS, Germany*

14:15 **Hidden yet far-reaching costs of conflict: Aggravated mycotoxin threats**
Dr Alejandro Ortega-Beltran, *International Institute for Tropical Agriculture, Nigeria*

14:30 **Mycotoxin management to face climate change impact on food safety and human health, the match**
Prof. Paola Battilani, *Department of Sustainable Crop Production, Università Cattolica del Sacro Cuore, Italy*

14:45 **Influence of weather and climatic conditions during the growing season on the levels of *Fusarium* mycotoxins in oats in Norway**
Dr Aksel Bernhoft, *Norwegian Veterinary Institute, Norway*

15:00 **A survey of mycotoxins and other natural contaminants in plant-based alternatives for meat and dairy products**
Dr Michael Sulyok, *Department IFA-Tulln, BOKU Vienna, Austria*

15:15 – 15:45
Networking break

Poster viewing

SESSION 6

Mycotoxin occurrence and control – The focus on fungi

Chair: Dr Antonio Moretti, *Institute of Sciences of Food Production, CNR, Italy*

14:00 **Evolution of regulation of trichothecene toxin production**
Dr Robert Proctor, *Mycotoxin Prevention and Applied Microbiology Research, ARS-USDA, USA*

14:15 **Scope of taxonomic boundaries: From *Fusarium* genus to populations**
Dr Tapani Yli-Mattila, *Department of Life Technologies, University of Turku, Finland*

14:30 **Unravelling the puzzle of ochratoxin A production**
Dr Silvia Rodríguez-Pires, *Department of Genetics, Physiology and Microbiology, Complutense University of Madrid, Proteomics and Genomics Facility, CIB-CSIC, Spain*

14:45 **Host induced gene silencing in reducing pre- and post-harvest aflatoxin contamination in maize**
Prof. Zhi-Yan Chen, *Department of Plant Pathology and Crop Physiology, Louisiana State University Agricultural Center, USA*

15:00 **Mycobiota and mycotoxins on artisan Italian cheese aged in natural environments: Prevention and control strategies**
Dr Antonia Susca, *Institute of Sciences of Food Production, CNR, Italy*

15:15 – 15:45
Networking break

Poster viewing

SESSION 7

Societal relevance and impact of mycotoxin research

At the same time as the productivity of researchers have become more formalized and institutionalized with increasing emphasis on counting publications in high-ranking journals, citations, h-index, and so on, there is an increased demand on researchers to contribute to what is referred to as societal value, societal relevance, public value, societal impact, and/or similar phenomena.
At the end of the conference, an outstanding presentation considering the societal relevance and impact of the research, will be awarded.

Chair: Dr Lindy J. Rose, *Stellenbosch University, South Africa*

15:45 **Mycotoxin in Africa: A research journey towards achieving food safety and nutrition security**
Dr Carla Cervini, *Magan Centre of Applied Mycology, Cranfield University, UK*

16:00 **Mycotoxins as endocrine disruptors in drinking water: Insights from a Belgian cohort study**
Dr Tess Goessens *and* Prof. Marthe De Boevre, *Centre of Excellence in Mycotoxicology and Public Health, Ghent University, Belgium*

16:15 **Uncovering the story of mycotoxin exposure in the UK: analysis of body fluids and hair**
Dr Esther Garcia Cela, *MycoLab, University of Hertfordshire, UK*

16:30 **Occurrence of endophyte mycotoxins in cool-season grasses from the Pacific Northwest, United States**
Dr Jennifer Duringer, *Department of Environmental and Molecular Toxicology, Oregon State University, USA*

16:45 – 17:45
WMF Young Scientist Forum
Sponsored by Selko

Emerging mycotoxins: Diagnosis, toxicity and management
During this year's Young Scientist Forum, Selko invites young scientists, researchers, and students to share experiences and learn from each other. In today's fast-changing and evolving industry, it can be a challenge to define research needs and connecting them to 'real' scenarios and creating cost-effective solutions for grain and animal producers around the world. How to find the right model for your research? Which biomarkers to apply? *In vitro* or *in vivo*? Single or multi-mycotoxin, or mycotoxins combined with other environmental challenges? What are emerging technologies and how can they improve mycotoxin research in the future?

These and other questions will be discussed during the informal brainstorm session, while enjoying some snacks and drinks. We hope to connect business needs with science and invite those young of age as well as young at heart to join in.

19:30 – 22:30
Conference dinner

SESSION 8

Mycotoxin detection – On-site and online agri-food applications

Chair: Dr Michael Sulyok, *BOKU Vienna, Austria*

15:45 **Smarter, faster, on-site: Infrared spectroscopy for mycotoxin detection**
Polina Fomina, *Institute of Analytical and Bioanalytical Chemistry, University of Ulm, Germany*

16:00 **Portable detection of genetic mycotoxin biosynthesis pathways in crops and food products – System validation**
Prof. Monika Szymańska-Czerwińska, *Department of Biotechnology and Nutrigenomics, Institute of Genetics and Animal Biotechnology of the Polish Academy of Sciences, Poland*

16:15 **Highly sensitive rapid lateral flow test for detecting patulin**
Dr Boris Polyak, *Gold Standard Diagnostics, USA*

16:30 **Application of time-resolved fluorescent immunochromatography in mycotoxin detection**
Robin Zhang, *Bioeasy, China*

16:45 – 17:45
WMF Young Scientist Forum
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Emerging mycotoxins: Diagnosis, toxicity and management
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19:30 – 22:30
Conference dinner

SESSION 9
Late-breaking mycotoxin research

Highly significant and timely findings in mycotoxin research that were not available by the regular abstract submission deadline (1 July 2024) of WMFmeetsSalzburg

Chairs: Prof. Sarah De Saeger, *Ghent University, Belgium*
Dr Franz Berthiller, *BOKU Vienna, Austria*

09:00 **Towards resilience of the Robusta coffee production: An Ivorian case study**
Dr Carol Verheecke-Vaessen, *Magan Centre of Applied Mycology, Cranfield University, UK*

09:15 **Unravelling the mysteries of bound ochratoxins**
Dr Franz Berthiller, *Department IFA-Tulln, BOKU Vienna, Austria*

09:30 **Mycotoxins in urine of adults following healthy and sustainable diets: Revealing the dynamics between diet transition and mycotoxin exposure**
Dr Octavian Mihalache, *Department of Food and Drug, University of Parma, Italy*

09:45 **Efficiency of removal of aflatoxin from contaminated peanuts using fluorescence-based sorting technology**
Dr Yueju Zhao, *Mars Global Food Safety Center, Mars Inc., China*

10:00 **Weaning piglet health upon dietary contamination with deoxynivalenol, enniatins, or their combination *in vivo* is connected to altered gut microbiome and gut tissue outcomes *in vitro***
Dr Maria Wiese, *Microbiology and Systems Biology, TNO, the Netherlands*

10:15 **Revolutionizing mycotoxin monitoring: New quality approaches for certified reference materials**
Dr David Steiner, *LVA GmbH, Austria*

10:30 – 11:00
Networking break

Poster viewing

SESSION 10

Smart approaches for mycotoxin analysis

Chairs: Prof. Michele Suman, *Barilla and Università Cattolica del Sacro Cuore, Italy*
Dr Awanwee Petchkongkaew, *Thammasat University, Thailand*

09:00 **Advances in analysis and detection of mycotoxins in dryland crops at the joint FAO/IAEA Centre's Food Safety and Control Laboratory**
Dr Christina Vlachou, *Joint FAO/IAEA Centre of Nuclear Techniques in Food and Agriculture, Austria*

09:15 **Automation in mycotoxins analysis: The Wizard of Oz journey from innovation to harmonized data collection**
Giulia Rosar, *Gold Standard Diagnostics, Italy*

09:30 **Fate of mycotoxins during gluten-free pasta processing: Untargeted 13C labelling LC-HRMS based approach**
Eleonora Rollo, *Barilla/University of Parma, Italy and Dr Alexandra Schamann, FFoQSI, Austria*

09:45 **Metabolism of multiple mycotoxins by black soldier fly (*Hermetia illucens*) using an optimized high-throughput LC-MS/MS method**
Dr Siegrid De Baere, *Department of Pathology, Pharmacology & Zoological Medicine, Ghent University, Belgium*

10:00 **Pulling the thread: A metabolomic approach to unraveling secondary metabolites production in *Fusarium proliferatum***
Irene Picicci, *Department of Food and Drug, University of Parma, Italy*

10:15 **A high throughput phenotyping platform for cereal research and breeding programs to identify *Fusarium*-damaged kernels and *Fusarium*-produced mycotoxins**
Dr Lipu Wang, *Department of Plant Sciences/Crop Development Centre, University of Saskatchewan, Canada*

10:30 – 11:00
Networking break

Poster viewing

PLENARY SESSION

Building a resilient food system in the digital decade – Challenges for mycotoxin research and management

Chairs: Prof. Rudolf Krska, *Department IFA-Tulln, BOKU Vienna, Austria*
Prof. Chris Elliott, *Institute for Global Food Security, Queen's University Belfast, UK*

11:00 **NARESH MAGAN LECTURE AWARD**
Proteomic analysis as a tool to unveil effects of control agents on toxigenic *Gnomoniopsis smithogilvyi*, the major chestnust pathogen
Dr María Micaela Álvarez Rubio, *Department of Nutrition and Food Science, Complutense University of Madrid, Spain*

11:15 **A byte against blight – AI's impact on mycotoxins**
Ronald Niemeijer, *R-Biopharm, Germany*

11:30 **Human biomonitoring of mycotoxins: Exciting opportunities and challenges**
Dr Marcel Mengelers, *National Institute for Public Health and the Environment, the Netherlands*

11:45 **Tech-powered biosolutions: Revolutionizing crop protection using robots, AI and thousands of fungi**
Dr Johan Vormsborg Christiansen, *Mycoverse, Denmark*

12:00 **Mycotoxin research 4.0: Should we really go omics?**
Prof. Chiara Dall'Asta, *Department of Food and Drug, University of Parma, Italy*

12:15 **Best Poster Award and Societal Impact Reward**
To be presented by a Cargill representative

12:30 **Top Five Answers Learned**
Prof. Rudolf Krska, *Department IFA-Tulln, BOKU Vienna, Austria*
Prof. Chris Elliott, *Institute for Global Food Security, Queen's University Belfast, UK*
Prof. Michele Suman, *Barilla and Università Cattolica del Sacro Cuore, Italy*

13:00 **Closing of *WMFmeetsSalzburg***

Take your packed lunch to eat along the way!

13:30 – 14:30
General Assembly of the International Society for Mycotoxicology

The International Society for Mycotoxicology (ISM) aims to increase scientific knowledge concerning biology, chemistry and any sciences/disciplines related to mycotoxins and toxigenic fungi through membership networking, scientific meetings, symposia, discussions, technical courses and publications.

ISM's General Assembly is open to all participants of *WMFmeetsSalzburg*.

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