

# Conference Agenda

## 47th Mycotoxin Workshop 2026

**Date: Sunday, 31/May/2026**

**6:30pm** **Get together @Nikolaiviertel**  
Location: **Nikolaiviertel** (Berlin old town center; information on meeting point will follow)

**Date: Monday, 01/June/2026**

**8:00am** **Registration**  
- Location: **Forum**

**9:00am**

**9:00am** **Welcome session**  
- Location: **Conference Hall**

**9:15am**

**9:15am** **SESSION 1: ANALYTICS**  
- Location: **Conference Hall**

**10:15am**

**9:15am - 9:30am**

**A rapid in-solution colorimetric aptamer-based assay for the detection of fumonisins in maize**

Vincenzo Lippolis, Maria Varsalona, Salvatore Cervellieri, Tiziana Forleo, Antonio Moretti, Maria C. DeRosa, Annalisa De Girolamo

**9:30am - 9:45am**

**Development and validation of a UHPLC-HRMS method for epimer-specific quantification of ergot alkaloids for analysis of Canadian wheat**

Chamali Kodikara, Nandika Bandara, Sheryl A. Tittlemier

**9:45am - 10:00am**

**Tracing the metabolic fate of ochratoxin A in maize using stable isotope-assisted LC-HRMS**

Filip Petronijevic, Gerlinde Wiesenberger, Christoph Büschl, Gerhard Adam, Franz Berthiller

**10:00am - 10:15am**

**CCS trendlines in non-targeted analysis: application to *Fusarium proliferatum* secondary metabolism**

Guillem Campmajó, Irene Picicci, Antonia Susca, Antonio Moretti, Chiara Dall'Asta

**10:15am** **POSTER PITCH SESSION I**  
- Location: **Conference Hall**

**10:30am**

**Sharper Eyes on Ergot: Advancing Detection in Wheat**

Chamali Kodikara, Dainna Drul, Nandika Bandara, Sheryl A. Tittlemier

**A multidisciplinary framework for risk assessment of mycotoxins in moldy foods supporting consumer safety and food waste reduction**

Camille Marchal, Anne Thebault, Nathalie Arnich, Olivier Couvert, Monika Coton

**Moldy foods: how to predict mycotoxin production and migration in foods?**

Charlotte Réant, Philippe Dantigny, Nolwenn Hymery, Elisabeth Poirier, Emmanuel Coton, Monika Coton

**Quantifying interaction dynamics among mycotoxigenic fungi**

Darina Balková, Marco Camardo Leggieri, Paola Battilani

**Mycotoxin Monitoring in the Context of Climate Change**

Astrid Schöberl, Michael Sulyok, Stephan Freitag, Patrick Rennhofer, Rudolf Krska, Hermann Bürstmayr

**Long-Term Monitoring of Mycotoxin Occurrence in Czech Malting Barley under Climate Variability**Sylvie Běláková, Marek Pernica, Jan Martiník, Karolína Benešová, Zdeněk Svoboda, Rastislav Boško**Occurrence of T-2, HT-2 and Their Glucosides in Apple-Based Beverages**Annalisa Melanie Völsch, Jannik Veerkamp, Martin Pour Nikfardjam, Benedikt Cramer, Hans-Ulrich Humpf**Isolation and structure elucidation of biologically active secondary metabolites from *Stachybotrys* spp.**Mehrsima Montaser Kouhsari, Florian Hübner, Hans-Ulrich Humpf, Svetlana Kalinina**Atranone – an overlooked secondary metabolite?**Mareike Dabisch-Ruthe, Jens Pfannebecker, Reinhard K. Straubinger, Frank Ebel, Sebastian Ulrich

10:30am

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Poster exhibition (uneven) / Coffee break

11:30am

Location: Forum / poster exhibition rooms D145/146

11:30am

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**SESSION 2: OCCURRENCE AND MANAGEMENT**

Location: Conference Hall

12:45pm

11:30am - 11:45am

**Mycotoxins in Ethiopian Food Systems: Current Burden and Emerging Biotechnology as a Solution**Abdi Hassen

11:45am - 12:00pm

**Mycotoxins and plant toxins in plant-based drinks – Survey of the German market 2024-2025**Arnold Bahlmann, Christoph Hutzler, Christian Jung, Nicole Lorenz, Benjamin Sachse, Stefan Weigel

12:00pm - 12:15pm

**Fungal and Mycotoxins Contamination of Selected Aromatic Plants**Marijana Sokolovic, Marija Berendika, Camelia Tulcan, Roberta Tripon, Camen Dorin, Victoria F. Samanidou, Natasa F. Kalogiouri, Ana Vulić

12:15pm - 12:30pm

**A mechanistic perspective on epidemics and mycotoxin contamination in the *Alternaria*-tomato pathosystem**Marco Camardo Leggieri, Irene Salotti, Paola Battilani

12:30pm - 12:45pm

**Seasonal mycotoxin exposure and risks in Swiss children based on urinary biomonitoring**Lucienne Zinsstag, Anouk Petitpierre, Lena Breitenmoser, Annette Kraiss, Christian Lindh, Samuel Fuhrmann

12:45pm

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Lunchbreak (and directly before: group photo)

2:15pm

Location: Canteen

2:15pm

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**SESSION 3: BIOLOGY-ECOLOGY-GENETICS I**

Location: Conference Hall

3:45pm

2:15pm - 2:30pm

**Skin microbiota of processing tomato fruits in relation to *Alternaria* black spot and mycotoxin contamination**Léna Dole, Vincent Chochois, Jourdan Christophe, Béthune Kevin, Giovinazzo Robert, Strub Caroline, Durand Noël, Fontana Angélique, Schorr-Galindo Sabine

2:30pm - 2:45pm

**Growth Modelling of T-2 and HT-2 Toxin-Producing *Fusarium* spp. in Oat-Based Medium**Enric Llorens-Serentill, Antonio J. Ramos, Sonia Marín, Tiago Nazareth, Jean Correia Costa

2:45pm - 3:00pm

**Differential responses of *Fusarium avenaceum* strains to oxidative stress: impacts on growth and mycotoxin yield.**

**Aurélie TOUYA, Vessela ATANASOVA, Magalie MOINARD, Laetitia PINSON-GADAIS, Florence RICHARD-FORGET**

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3:00pm - 3:15pm

**Mycotoxin threats in a changing climate: effects of interacting abiotic factors on fungal growth and OTA/CIT production in rice**

**Carolina Sousa Monteiro, Eugénia Pinto, Alfonso Narváez, Miguel A. Faria, Laura Gámiz-Gracia, Maykel Hernández-Mesa, Sara C. Cunha**

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3:15pm - 3:30pm

**New PKS and metabolites putatively involved in ochratoxin A accumulation by *Penicillium nordicum* in NaCl-rich environments**

**Micaela Álvarez, Jessica Gil-Serna, Belén Patiño**

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3:30pm - 3:45pm

**Induction of Aflatoxin Production by Invertebrate Predation and Mechanical Injury in *Aspergillus flavus***

**Christian Joseph Cumagun, Asmae Meziane, Petr Karlovsky**

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3:45pm

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**Poster exhibition (even) / Coffee break**

4:45pm

Location: Forum / poster exhibition rooms D145/146

4:30pm

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**Visits of selected facilities of the BfR (upon reservation)**

Location: Meeting in groups inside the Forum/outside the conference building

6:00pm

6:00pm

**Welcome drinks and networking**

Location: Forum

7:00pm

**Dinner: Barbecue @BfR garden**

Location: Canteen

**Date: Tuesday, 02/June/2026**

8:00am **Registration**  
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9:00am Location: **Forum**

9:00am **SESSION 4: BIOLOGY-ECOLOGY-GENETICS II**  
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10:15am Location: **Conference Hall**

9:00am - 9:15am

**Genetic characterization and geographical variation in mycotoxin profiles of *Fusarium culmorum* from wheat in South of Italy**

Angela Gatto, Alessandro Annunziato, Antonia Susca, Miriam Haidukowski, Stefania Somma, Mario Masiello, Giuseppe Cozzi, Daria Carella, Pamela Anelli, Alessandra Villani, Safa Oufensou, Virgilio Balmas, Giampiera Porqueddu, Quirico Migheli, Antonio Moretti

9:15am - 9:30am

**Detection of Secondary Metabolite Biosynthetic Genes Across the *Fusarium oxysporum* Species Complex**

Daria Carella, Alessandra Villani, Luigi Faino, Antonio Moretti, Antonia Susca

9:30am - 9:45am

**Shuffling of the patulin biosynthetic gene cluster in *Penicillium roqueforti***

Monika Coton, Ewen Crequer, Jeanne Ropars, Audrey Pawtowski, Olivier Puel, Tatiana Giraud, Jean-Luc Jany, Emmanuel Coton

9:45am - 10:00am

**Targeting RNA polymerase I transcription in *Aspergillus flavus* by the small molecule BMH-21 shuts down aflatoxin production**

Asmaa S. Abbas, Emil Aalto-Setälä, Anssi M. Malinen

10:00am - 10:15am

**Population genomics and aflatoxin production of *Aspergillus flavus* and *Aspergillus oryzae* from China**

Da-Yong Han, Xue-Wei Wang, Feng-Yan Bai

10:15am **POSTER PITCH SESSION II**  
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10:30am Location: **Conference Hall**

**Anti-fungal potential of coffee husk (*Coffea arabica* L.) extracts against two mycotoxigenic fungi**

Milena Jiménez-Gutiérrez, Rebeca Molina-Vlaverde, Mariana Güell-González, Andrea Irias-Mata, Patricia Esquivel, María Viñas

**To bind or to degrade? Fate of deoxynivalenol and ochratoxin A during soy fermentation**

Sita Venier, Els Van Pamel, Denis Habauzit, Christof Van Poucke

**Species-level *Fusarium* resolution in cereals: a TEF1 metataxonomic approach**

Sergio Alías-Segura, Belén Patiño, Jéssica Gil-Serna

**When mycotoxins taste bitter (and beyond): AI-driven discovery of bitter receptors-fungal indolizidine alkaloids interaction**

Ilaria Magnaldi, Lorenzo Pedroni, Chiara Dall'Asta, Luca Dellaflora

**Hybrid in vitro/in silico approach to elucidate the effect of mycoestrogens on barrier integrity via tight junction protein claudin-4**

Janice Bergen, Christian Fellingner, Magdalena Weinstabl, Doris Marko, Christian Schröder, Giorgia Del Favero

**Hepatic metabolism of naturally occurring ergot alkaloids: Insights from human and porcine liver microsomes**

Nina Kühnhenrich, Benedikt Cramer, Hans-Ulrich Humpf

**Comparative Intestinal Permeability and Molecular Responses to Major Aquafeed Mycotoxins in RTgutGC Cells**

Cheila Pereira, Helena Ramos, Miguel A. Faria, Sara C. Cunha, José O. Fernandes

**From *Alternaria* extract to alterperyleneol: Discovery of an immunosuppressive mycotoxin targeting NF- $\kappa$ B**

Vanessa Partsch, Francesco Crudo, Amina Selimagic, Giorgia Del Favero, Doris Marko

**Sulfation as a detoxifying mechanism for the estrogenicity of the mycotoxin alternariol**

Eszter Borsos, Nick Hetzschold, Dino Grgic, Elisabeth Varga, Doris Marko

10:30am - 11:30am **Poster exhibition (even) / Coffee break**

Location: **Forum / poster exhibition rooms D145/146**

11:30am - 12:45pm **SESSION 5: DATA SCIENCE, OMICS and AI**

Location: **Conference Hall**

11:30am - 11:45am

**Going with the wind... and other weather variables to predict mycotoxin risk**

Michail Evgeniou, Alexander Platzer

11:45am - 12:00pm

**An Integrated AI-Based Text-Mining Pipeline for Automated Extraction of Mycotoxin Occurrence and Analytical Data from Scientific Literature**

Louis-Marie Cobigo, Margot Barenstrauch, Veronique Sirot, Nathalie Arnich, Henri-Olivier Duché, Denis Habauzit

12:00pm - 12:15pm

**A novel approach for predicting aflatoxin B1 production using regression models and whole-cell biosensors in moldy maize and peanut kernels**

Fuquo Xing, Lu Sun, Junning Ma, Gang Wang, Bowen Tai

12:15pm - 12:30pm

**Untargeted HRMS screening for chemical hazard detection in maize: a QC-Based Workflow with Linear and Non-Linear Data Characterisation**

Xenia Pascari, Jakob Kühn, Marco Blockland, Stefan Weigel

12:30pm - 12:45pm

**NAMs for Food Safety: In Silico Modelling of Bacterial Membranes to Explore Mycotoxin Bioavailability in the Intestinal Compartment**

Nuša Matjašec, Christian Schröder, Giorgia Del Favero

12:45pm - 2:15pm

**Lunchbreak**

Location: **Canteen**

|             |   |
|-------------|---|
| 2:15pm<br>- | <b>SESSION 6: TOXICOLOGY I</b><br>Location: <b>Conference Hall</b>  |
| 3:45pm      | 2:15pm - 2:30pm<br><b>Novel insights into the toxicological profile of <i>Alternaria infectoria</i> mycotoxins</b><br><b>Florian Call</b> , Sam Thill, Andrea Patriarca, Francesco Crudo, Doris Marko   |
|             | 2:30pm - 2:45pm<br><b>Evaluating the Genotoxic Potential of Emerging Mycotoxins Using Stepwise Approach</b><br><b>Silvia Gascón-Corella</b> , Isabelle P. Oswald, Ariane Vettorazzi   |
|             | 2:45pm - 3:00pm<br><b>Early oxidative and mitochondrial stress responses to tenuazonic acid in human esophageal cells</b><br><b>Dino Grgic</b> , Maximilian Jobst, Nazmi Waesoh, Sonja Hager, Giorgia Del Favero, Doris Marko   |
|             | 3:00pm - 3:15pm<br><b>In vitro digestion of lipophilic mycotoxins enniatins and beauvercin</b><br>Maryse Max, <b>Marcus Trentzsch</b> , Stefan Weigel   |
|             | 3:15pm - 3:30pm<br><b>Enniatins and Their Mixture Induce Cytotoxicity in Rainbow Trout (SOB-15) Hepatocytes Through Early Disruption of Heme Biosynthesis</b><br><b>Luis Monzón Atienza</b> , Ole-Jakob Nøstbakken, Lorenzo Pedroni, Luca Dellaflora, Liv Ingeborg Søftland, Kai Kristoffer Lie |
|             | 3:30pm - 3:45pm<br><b>Heme biosynthesis under mycotoxin pressure in Atlantic salmon: a multi-target investigation</b><br><b>Lorenzo Pedroni</b> , Kai Kristoffer Lie, Luis Monzón-Atienza, Ole Jakob Nøstbakken, Chiara Dall'Asta, Luca Dellaflora  |
| 3:45pm<br>- | <b>Poster exhibition (uneven) / Coffee break</b><br>Location: <b>Forum / poster exhibition rooms D145/146</b>   |
| 4:45pm      |   |
| 4:15pm<br>- | <b>General Meeting of the Society for Mycotoxin Research – Guests Welcome</b><br>Location: <b>Conference Hall</b>   |
| 5:15pm      |   |
| 5:30pm      | <b>Bus departure: Sightseeing bus tour to Conference Dinner venue</b><br>Location: <b>Meeting in front of the conference building</b>   |
| 7:30pm<br>- | <b>Conference dinner: Conference dinner @Pirates Berlin</b><br>Location: <b>Pirates Berlin</b>  |
| 11:30pm     |   |

**Date: Wednesday, 03/June/2026**

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|-------------------------|---|
| 8:00am<br>-<br>9:00am   | <b>Registration</b><br>Location: Forum  |
| 9:00am<br>-<br>10:30am  | <b>SESSION 7: TOXICOLOGY II</b><br>Location: Conference Hall  |
| 9:00am - 9:15am         | <b>How the mycotoxin deoxynivalenol exacerbates the genotoxicity of heme iron</b><br><b>Margaux Lalaurie</b> , Clemence Rives, Marion Garofalo, Marie Penary, Sylvie Puel, Nathalie Naud, Julien Vignard, Philippe Pinton, Yannick Lippi, Gladys Mirey, Elodie Rousseau-Bacquie, Fabrice Pierre, Francoise Gueraud, Delphine Payros, Isabelle P. Oswald                             |
| 9:15am - 9:30am         | <b>Deoxynivalenol disrupts the blood-testis barrier in prepubertal and adult mice: a possible cytokine-mediated effect</b><br><b>Ana Laura Paulino Leite Gomes</b> , Juliana Rubira Gerez, Marielen de Souza, Camila Rodriguez Ferraz, Waldiceu Aparecido Verri Junior, Ana Paula Frederico Rodrigues Loureiro Bracarense   |
| 9:30am - 9:45am         | <b>Shaping the immunomodulation in colon: how high glucose conditions modulate the immunomodulatory properties of mycotoxins</b><br><b>Karolina Kowalska</b> , Aleksandra Kołacin, Agnieszka Wanda Piastowska-Ciesielska  |
| 9:45am - 10:00am        | <b>Unraveling the toxicokinetics of T-2 and HT-2 toxin in humans and developing a physiologically-based kinetic model</b><br><b>Hannah P. McKeon</b> , Marloes A. A. Schepens, Joost Westerhout, Marta M. Sopol, Ilaria Di Marco Pisciotano, Laura Righetti, Corinne Sprong, Marcel J. B. Mengelers, Trine Husøy  |
| 10:00am - 10:15am       | <b>Beyond aflatoxin B1: Mutagenicity assessment and evaluation of topoisomerase-poisoning potential of selected aflatoxin B1 precursors</b><br><b>Noah Ratzer</b> , Francesco Crudo, Laura Soler-Vasco, Isabelle P. Oswald, Olivier Puel, Doris Marko   |
| 10:15am - 10:30am       | <b>Acute Toxic Effects of <i>Stachybotrys chartarum</i> Bioaerosols</b><br><b>Stefanie Klar</b> , Anja Wolff, Jessica Reinert, Silke Steinborn, Lennart Marske, Judith Neuhoff, Marion Berger, Udo Jäckel, Dierk-Christoph Pöther   |
| 10:30am<br>-<br>11:15am | <b>Poster exhibition / Coffee break</b><br>Location: Forum / poster exhibition rooms D145/146   |
| 11:15am<br>-<br>12:30pm | <b>SESSION 8: REMEDIATION-MITIGATION</b><br>Location: Conference Hall   |
| 11:15am - 11:30am       | <b>Hydrothermal treatment with sodium metabisulfite of deoxynivalenol contaminated maize as effective tool of inactivation</b><br><b>Susanne Kersten</b> , Anika Noldin, Angelika Grümpel-Schlüter, Jeannette Kluess, Jana Frahm, Susanne Bühler, Patrick Sudwischer, Janine Saltzmann, Sven Dänicke  |
| 11:30am - 11:45am       | <b>Characterization of a detoxified deoxynivalenol metabolite supporting microbial mitigation strategies in food safety</b><br><b>Clémence Rives</b> , Carine Al-Ayoubi, Christopher P Garnham, Clothilde Villot, Justin B Renaud, Mark W Sumarah, Mathieu Castex, Yannick Lippi, Marie Penary, Sylvie Puel, Laura Soler, Philippe Pinton, Anna Paula Bracarense, Isabelle P Oswald |

11:45am - 12:00pm

**Impact of UV-C treatment on *Alternaria* spp. growth and *Alternaria* mycotoxins in vitro and in tomato**  
Maria Luisa Maldonado, Camille Van Cauwenberge, Maarten Verstockt, Sarah De Saeger, Andrea Patriarca, Maria Agustina Pavicich

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12:00pm - 12:15pm

**From the Plate to the Plant: Discovering the biocontrol potential of *Hanseniaspora uvarum* against *Aspergillus flavus***

Clara Melguizo, Belén Patiño, Jéssica Gil-Serna, Alicia Rodriguez, Rebecca R. Sweany, Geromy G. Moore, Matthew K. Gilbert

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12:15pm - 12:30pm

**Transcriptomic profiling of aflatoxin B1 exposed and medicinal herb supplemented pig liver**

Avon Augustin Nalpadan, Henry Reyer, Michael Oster, Nares Trakooljul, Siriluck Ponsuksili, Wojciech Kozera, Krzysztof Karpiesiuk, Mariusz Pierzchała, Adam Lepczyński, Brygida Ślaska, Chandra Shekhar Pareek, Klaus Wimmers

12:30pm Closing Session and poster awards

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Location: Conference Hall

1:00pm