

## Confirmed speakers

The workshop will give you the opportunity to learn from and engage with leading minds from the international community. We are still finalising our speaker list, but are excited to announce the confirmation of the following individuals:

**Prof Gordon Shepard**, Adjunct professor, Institute of Biomedical and Microbial Biotechnology at Cape Peninsula University of Technology (CPUT)



Dr Gordon S. Shepard has a PhD degree in Chemistry from the University of Cape Town, South Africa. He is currently adjunct professor at the Institute for Biomedical and Microbial Biotechnology at Cape Peninsula University of Technology, having retired as Chief Specialist Scientist in the PROMEC Unit of the South African Medical Research Council. He has served as consultant and advisor for the Food and Agriculture Organization (FAO), the World Health Organization (WHO) and the Standards and Trade Development Facility (STDF). He has served on the Joint FAO/WHO Expert Committee on Food Additives (JECFA) for risk assessment of mycotoxins, including aflatoxins and deoxynivalenol, and was vice-chair of the 56th meeting. He still serves on the editorial board of a number of journals, including Mycotoxin Research and Food Additives and Contaminants and is section editor for food, human health and analysis of the World Mycotoxin Journal. He acts as regular reviewer on mycotoxin issues for a wide range of journals. He was General Referee for Mycotoxins at AOAC International and serves as reviewer for the AOAC Research Institute. He is a member of the African Experts Committee for Codex Committee on Contaminants. He is a past vice-president of the International Society for Mycotoxicology (ISM) and has served on various scientific committees for international conferences. Dr Shepard has published widely in the mycotoxin field and has over 170 publications on mycotoxin related issues.

### Presentation

**Rapid and inexpensive mycotoxin detection: A need of African countries**

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**Prof. Rudolf Krška**, Ph.D., Full Professor and Head of the Center for Analytical Chemistry at BOKU/IFA-Tulln; Joint appointment as Professor within the Institute for Global Food Security, Queen's University, Belfast, UK



Rudolf Krška is full professor for (Bio-)Analytics and Organic Trace Analysis at the University of Natural Resources and Life Sciences, Vienna (BOKU). He is head of the Center for Analytical Chemistry at the Department of Agrobiotechnology (IFA-Tulln) at BOKU with some 50 staff. As member of JECFA (Joint Expert Committee for Food Additives) of the FAO/WHO he has evaluated the impact of trichothecene mycotoxins on humans. 2009/2010 he worked for one year as A/Chief of Health Canada's Food Research Division. Prof. Rudolf Krška has received 10 scientific awards and is (co)author of more than 300 SCI publications. Since 2015, Thomson Reuters (Web of Science) has identified Prof. Krška as one of the world's most influential contemporary researchers due to his ranking among the top 1% most cited authors in the field of agrobiotechnology. Since 2016 Prof. Krška is coordinator of the European Commission funded project MyToolBox (Safe Food and Feed through an Integrated ToolBox for Mycotoxin Management) in cooperation with China with a funding volume of more than 6 Mio

Euro. He is Green Area Leader at the recently founded Austrian Competence Centre for Feed and Food Quality, Safety and Innovation (FFOQSI) with 18 company partners. In 2018, he has been jointly appointed Professor within the Institute for Global Food Security, Faculty of Medicine, Health and Life Sciences, Queen's University, Belfast, UK under the World Leading Researcher Scheme.

### Presentation

#### ***Multi-Mycotoxin-Analysis***

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***Prof Sarah De Saeger***, Full Professor at Universtiy of Gent, Belgium



Prof. Dr. Sarah De Saeger is full professor and head of the Laboratory of Food Analysis, Department of Bioanalysis at Ghent University, Belgium. She is teaching all food-related courses in the Faculty of Pharmaceutical Sciences (Bromatology, Bioanalytical Practical, Special Nutrition). The laboratory of Food Analysis performs in particular research on the issue of mycotoxins on both national and international level. The laboratory focuses on 4 research lines: mycotoxins and human health, detection methods, metabolomics and untargeted analysis, and mycotoxin occurrence. The research covers the characterization (eg. modified mycotoxins), exposure and screening through biomarkers as well as the development of innovative detection methods such as 'molecularly imprinted polymers' and biosensors next, chromatographic and immuno-based techniques. Research results are published in more than 332 publications including 225 peer reviewed papers.

Prof. De Saeger is also editor of two books and author of 2 patents. Moreover, she is promotor of 20 defended Phds. Prof. De Saeger is coordinating the MYTOX platform ([www.mytox.be](http://www.mytox.be)) as well as the international thematic network (ITN) MYTOX-SOUTH ([mycotoxsouth.org](http://mycotoxsouth.org)). She is expert in EFSA CONTAM working groups since 2011 and member of the Scientific Committee (SciCom) of the Federal Agency for Food Chain Safety since 2015. In June 2015 she established the Joint Laboratory of Mycotoxin Research of the Ghent University-Shanghai Jiao Tong University-Chinese Academy of Sciences (Shanghai Institutes of Biological Sciences). In 2015 she was awarded the Ghent University Prometheus Award for research and the International DBN Science & Technology Award, registered by the Ministry of Science and Technology, China.

### Presentation

#### ***Mycotoxins in food and their analysis in a developing and changing world***

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***Dr Michelangelo Pascale***, Director of Research at ISPA, National Research Council, Italy



Team leader in several national/international projects of ISPA-CNR relevant to food safety, has over 20-year experience in development and validation of analytical methods for mycotoxins in agro-food products. Has served as an organizer and/or instructor of several international Workshop-Training courses on "Methods for mycotoxin detection in the food/feed chain" (Bari-Italy 2006, 2008, 2010, 2012, 2014, 2017; Ankara-Turkey 2010, 2011; Yogyakarta-Indonesia 2013; Lusaka-Zambia 2017). Has been delegate of the International Atomic Energy Agency (IAEA) for the assessment of laboratory infrastructures/facilities of the Toxicology Department-Indonesian Research

Centre for Veterinary Science - BBALITVET (Bogor-Indonesia) and identification of equipment/training needs. Has been expert of the European Commission TAIEX on "Detection and control of mycotoxins in food" at the Chemistry Administration, Cairo, Egypt. Has been member of the IARC Working Group on "Aflatoxin Control Measures: A Basis for Improved Health in Developing Countries", International Agency for Research on Cancer (IARC), Lyon, France. Has been member of the Consultant Meeting of the Coordinated Research Project (CRP) on "Integrated radiometric and complementary techniques for mixed contaminants and residues in foods", Food and Environmental Protection Sub-programme (FEP) of the Joint FAO/IAEA Programme for Nuclear Techniques in Food and Agriculture (NAFA), c/o International Atomic Energy Agency (IAEA), Vienna, Austria. Has been TC expert of the IAEA for the AFRA training course on "Method development/validation for mycotoxins in food and feed" held in Lusaka, Zambia. Currently is leader of Work Package 6 – Remediation of the MYCOKEY project "Integrated and innovative key actions for mycotoxin management in the food and feed chain" (H2020, Project Number 678781). Is author/co-author of 21 book chapters, 115 papers in peer-reviewed journals and 180 contributions at national and international Conferences/Symposiums.

**Presentation**

***Mycotoxin Research (TBC)***

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***Prof. Dr. Michael Rychlik***, Head of the Chair of Analytical Food Chemistry at the Technical University of Munich, Germany (TUM)



Prof. Dr. Michael Rychlik is the Head of the Chair of Analytical Food Chemistry at the Technical University of Munich, Germany (TUM). He graduated in food chemistry at the University of Kaiserslautern in 1988. His PhD studies on the flavour of bread were completed in 1996 and he was appointed full professor at the TUM in 2010. In 2015 he served as a Visiting Professor at the University of Queensland (UQ), Australia and in 2016 he was appointed an Honorary Professor at the latter University. In 2016 he was also active as a Visiting Professor at the National University of Singapore (NUS). At the TUM School of Life Sciences Weihenstephan, Michael Rychlik was elected the Director of the Research Department Nutrition and Food Sciences in 2016. His group has been working for 15 years in the field of

developing analytical methods for bioactive food components, in particular for vitamins, mycotoxins, odorants and lipids. For these compounds, he developed stable isotope dilution assays that reveal superior accuracy. Moreover, his research is focused on the application of these methods to recent areas in food chemistry, technology, toxicology and nutrition. Since 2014 he serves as the Head of the "Committee on Contaminants in the Food Chain" at the Federal Institute for Risk Assessment, Berlin, Germany.

**Presentation**

***Emerging and modified mycotoxins***

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**Dr Ralf Josepfs**, Principal Scientific Official, Chemistry Department, BIPM, France



Ralf is a Principal Scientific Official in the Organic Analysis Group of the Chemistry Department of the International Bureau of Weights and Measures (BIPM) situated in the vicinity of Paris, France. He has been an analytical chemist for over 20 years with expertise in the purity determination of organic and biochemical substances with relevance to clinical chemistry, food (contaminants) analysis, environmental analysis, forensics and pharma. He has the lead for the coordination of primary calibrator purity assessment comparisons, notably for larger organic molecules (peptides/proteins) and the Metrology for Safe Food and Feed in Developing Economies project within the framework of the BIPM Capacity Building and Knowledge Transfer programme. He is an active member of the Working Groups on Protein Analysis (PAWG) and Organic Analysis (OAWG) of the Consultative Committee for Amount of Substance - Metrology in Chemistry and Biology (CCQM). He is the BIPM observer to the Committee on Methods of Analysis and Sampling (CCMAS) of the FAO/WHO Codex Alimentarius Commission and member of the corresponding Inter Agency Meeting (IAM). Ralf has developed a broad background in establishing reference measurement methods and the production and characterization of certified reference materials with a special focus on pure and matrix mycotoxin materials during his previous positions as scientific officer at the EC-JRC-IRMM in Belgium and IFA-Tulln in Austria. He is author of more than 70 original scientific publications.

**Presentation**

***Capacity Building and Knowledge Transfer for Mycotoxin Primary Reference Materials and Calibrators***

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**Dr. Gerd Schatzmayr**, Research Director at Biomin Research Centre, Austria



Dr. Gerd Schatzmayr studied Food Science and Biotechnology at the University of Natural Resources and Life Sciences in Vienna (BOKU). He did his PhD thesis at the Institute for Agrobiotechnology in Tulln (IFA-Tulln) in the field of Industrial Biotechnology on the development of a fermentation process for an anaerobic mycotoxin detoxifying bacterium. In 1999 he joined the R&D team of BIOMIN as R&D project leader. In this position he coordinated various projects in the field of mycotoxin detoxification. In 2003 he was appointed to R&D-director of BIOMIN Innovative Animal Nutrition GmbH. In this position he was overseeing all research activities and he coordinated a project on the development of a competitive exclusion product for poultry in a framework program of the European Commission. Since 2006 he is Director of BIOMINs Research with responsibility for internal research activities in the field of GUTomics, Enzymology, Cell Biology, Analytical Chemistry and Bioprocess Development as well as world-wide research collaborations. As a lecturer at the University of Applied Life Sciences Wiener Neustadt/Tulln he teaches courses on “Cell Factory” and “Biotec products” and he is presenter at the Mycotoxin Summer Academy. He gave more than 50 lectures at international scientific conferences and is author and co-author of more than 100 articles, publications and patents.

**Presentation**

***Co-occurrence of regulated, masked and emerging mycotoxins in grain and feed***