



United States Department of Agriculture

Research, Education, and Economics
Agricultural Research Service

NC1183: Mycotoxins in a Changing World Annual Meeting

Friday, 31 May 2024

Meeting hosted by:

Dr. Martha Vaughan (Martha.Vaughan@usda.gov)

Dr. Joseph Opoku (Joseph.Opoku@usda.gov)

USDA ARS National Center for Agricultural Utilization Research (NCAUR)

Mycotoxin Prevention & Applied Microbiology Research Unit (MPM)

Join in Person: USDA ARS National Center for Agricultural Utilization Research,
1815 North University St. Peoria IL. 61604

Join by Zoom: <https://www.zoomgov.com/j/1606897996?pwd=ekw1UXNLTG90MXF4bmZrM0NncXFyUT09>

Meeting ID: 160 689 7996

Passcode: 612170

Agenda

Note: All times are given as US Central Daylight Time (CDT)

8:30 Welcome to NCAUR, Zoom Connection, and Poster Setup.

9:00 USDA ARS Mycotoxin Prevention and Applied Microbiology Research

– Dr. Martha Vaughan, USDA-ARS, NCAUR, Mycotoxin Prevention & Applied Microbiology Research Unit, Research Leader

9:20 Managing emerging issues in the mycotoxin arena (Virtual talk)

– Dr. Dr. Rudolf Krska, Head, Institute of Bioanalytics and Agro-Metabolomics, Department of Agrobiotechnology (IFA-Tulln) & Deputy-Director of IFA-Tulln University of Natural Resources and Life Sciences, Vienna (BOKU), Austria

Contact: rudolf.krska@boku.ac.at

9:40 TBA

– Dr. Xiangwei “Shaun” Du, Clinical Assistant Professor, Section Head, Analytical Chemistry/Toxicology, Veterinary Medical Diagnostic Laboratory, College of Veterinary Medicine, University of Missouri

Contact: x.du@missouri.edu

10:00 Genomic and phenotypic diversity of the fumonisin-producing fungi *F. proliferatum* and *F. verticillioides*

– Dr. Robert Proctor, USDA-ARS, NCAUR, Mycotoxin Prevention & Applied Microbiology Research Unit, Research Microbiologist

Contact: Robert.Proctor@usda.gov

10:20 Coffee Break

10:40 TBA

– Dr. Felicia Wu, John A. Hannah Distinguished Professor, University Distinguished Professor, Food Science and Human Nutrition, Agricultural, Food, and Resource Economics, Michigan State University.

Contact: fwu@msu.edu

11:00 TBA

– Dr. Paige Gott, DSM, Mycotoxin & Hy-D Manager, Animal Nutrition and Health

Contact: paige.gott@dsm-firmenich.com

11:20 TBA

Simran Goyal, Masters Student with Dr. Lisa J. Vaillancourt, Professor of Plant Pathology, Department of Plant Pathology, University of Kentucky

Contact: vaillan@uky.edu

11:40 Station reports/discussion

12:00 Lunch (provided by MPM)

1:00 Poster Presentations

1:20 TBA AFL Biocontrol (Need final confirmation)

– Dr. Hillary Mehl, USDA ARS Research Plant Pathologist,

Contact: hillary.mehl@usda.gov

1:40 TBA

– Dr. Briana Whitaker, USDA-ARS, NCAUR, Mycotoxin Prevention & Applied Microbiology Research Unit, Research Microbiologist

Contact: Briana.Whitaker@usda.gov

2:00 Coffee Break

2:20 TBA

– Dr. Ana Calvo, Department of Biological Sciences, Northern Illinois University

Contact: amcalvo@niu.edu

2:40 Projection from stored grain insects using transgenic maize hybrids and implications for *Aspergillus flavus* and aflatoxin contamination

– Dr. Gary Munkvold, Plant Pathology, Entomology and Microbiology, Iowa State University, Ames, IA

Contact: munkvold@iastate.edu

3:00 TBA

3:20 TBA

3:40 Discussion: Implementing 2020-2025. Objectives, increasing grad student participation and NC1183 participation in other venues (USWBSI, e.g.); NC1183 officers

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