

IOWA STATE UNIVERSITY  
OF SCIENCE AND TECHNOLOGY

NC1183: Mycotoxins in a Changing World  
Annual Meeting

Monday, 22 May 2023

**Meeting hosted by:**

Dr. Gary Munkvold (munkvold@iastate.edu)

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Ames, IA 50011

**Join in Person:** Hunziker House at Reiman Gardens 1407 University Blvd Ames, Iowa.

**Join by Zoom:**

<https://iastate.zoom.us/j/97079571614?pwd=L3VDQ2hablRuRGgwUVAYQWNBTFBpQT09>

Or, go to <https://iastate.zoom.us/join> and enter meeting ID: 9707957161, password: 855313

**Agenda**

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

**8:30 AM** Online connection (Zoom) goes live and in-person attendees assemble.

**9:00 AM** Welcome, charge, and update from David Jackson.

**9:15 AM** Station reports and related research, Part I

**9:15** Michael Lawton, Rutgers: CRISPR-editing barley susceptibility genes

**9:35** Daniel Panaccione, West Virginia University: Biosynthesis of ergot alkaloids in novel sources.

**9:55** Joseph Opoku, USDA-ARS, Peoria, IL

**10:15** Emily Branstad-Spates, Iowa State University: Using Machine Learning to Predict Aflatoxin in Iowa Corn.

**10:35 AM** Coffee break

**11:15 AM** Station reports, Part I

**12:00 PM** Lunch break

**1:30 PM** Station reports and related research, Part II

1:30 Derek Cavallo, Rutgers: *C. elegans* system to identify targets and treatments that ameliorate the cytotoxic effects of DON.

1:50 Harkirat Kaur, Michigan State University: Agronomic management of ear rots and mycotoxins in corn.

2:10 TBD

2:30 TBD

2:50 PM Station reports, Part II

3:30 PM Discussion: Implementing 2020-2025 Objectives, increasing grad student participation and NC1183 participation in other venues (USWBSI, e.g.)

4:00 PM Meeting adjourns

4:10 PM to 5 PM **Poster Session.**