

PRELIMINARY SCHEDULE

North Central Division APS Meeting

June 10-12, 2024

Manhattan, Kansas

Monday, June 10

8:00 - 5:00 pm

Hands-on ELISA Wheat Virus Workshop

Instructors: Chandler Day, Judy O'Mara, Jessica Rupp Noller

Lunch and transportation to and from hotel provided

Max capacity: 20 ppl

FREE – but registration is required

ELISA testing is a key test diagnostic labs around the country use regularly, but there are tips and tricks to ensure a successful test result. This workshop will provide instructors, students, and early career professionals with an overview of the process and hands-on experience from field sampling to interpretation of the final result. Ensuring use of industry best practices and optimization, you can provide stakeholders with timely results. This workshop will cover common wheat viruses and look at wheat diseases currently active in the field. The techniques and knowledge gained from this workshop will be broadly applicable to a wide variety of plant diseases.

Agenda and details to follow. For questions, email chandlerday@ksu.edu

1:00 - 5:00 pm

Plant Biosecurity Workshop, Giovanna Cruppe & James Stack

Pat Roberts Hall - Biosecurity Research Institute (BRI), 1900 Denison Avenue,
Manhattan, Kansas; Transportation provided from the Hilton Garden Inn.

Registration: FREE; Maximum participants: 15.

Transportation provided from Hilton Garden Inn

Summary: The Plant Biosecurity Workshop will convene at the *Biosecurity Research Institute* (BRI), a Biosafety level-3-Ag biocontainment facility, located on the Kansas State University campus. The research program at the BRI includes plant, animal, and human health projects. The workshop will include an overview of Plant Biosecurity, in-depth discussions about BRI research with two high-consequence plant pathogens, a brief tour of the BRI, and a short biosecurity desktop exercise where participants will engage in decision-making to support response to a potential plant health emergency. (Registration FREE; Maximum number of participants is 15.)

6:00 - 9:00 pm

Pre-meeting Reception & Dinner

Flint Hills Discovery Center, 315 S. 3rd Street, Manhattan, Kansas
Across the street from the Hilton Garden Inn.

PRELIMINARY SCHEDULE

Tuesday, June 11

Hilton Garden Inn & Manhattan Conference Center, 410 S. 3rd Street, Manhattan, Kansas

8:00 - 8:15 am Welcome and introductory remarks
Dr. Megan Kennelly, Department of Plant Pathology, Department Head

General session

8:15 - 8:45 am **Dr. Jim Stack**, Professor of Plant Pathology, Department of Plant Pathology, Kansas State University

"Plant health in an evolving One Health Concept: The nature and rationale for inclusion"

There are multiple examples of, 1) plant pathogens causing diseases in humans and animals, 2) plants as reservoirs of human pathogens, and 3) plants and plant products that serve as vectors of human and animal pathogens. Those are the attributes that underpin One Health designation. The recent more prominent feature of plant health in the One Health Concept is long overdue; the nature and rationale for inclusion will be discussed.

8:45 - 9:15 am **Dr. Ignacio Ciampitti**, Professor of Farming Systems, Department of Agronomy, Kansas State University; Director of Research, Institute for Digital Agriculture and Advanced Analytics, Kansas State University

"Advancing Digital Agriculture for Improving Agronomic Decisions"

This presentation will focus on discussing the bottlenecks for translating research into actionable management within a context of digital agriculture. The use of more data-driven approaches, including probabilistic analysis, integration of new technologies such as satellite imagery, and development of new data visualization applications are all relevant options to assist producers on improving agronomic decision

9:15 - 9:45 am **Dr. Leonor Leandro**, Professor of Plant Pathology, Department of Plant Pathology, Entomology, and Microbiology, Iowa State University

"Team-based learning: A strategy to enhance student engagement in undergraduate courses"

Student engagement is a key factor in creating an effective and enriching learning experience. In this presentation, I will describe the principles of team-based learning (TBL), a collaborative learning and teaching strategy, and share how I used it to transform my approach to teaching mycology and plant pathology to undergraduate students.

PRELIMINARY SCHEDULE

9:45 - 10:00 am Break

Student Session #1 – 10:00-12:00

12:00 - 1:30 pm Lunch (on your own)
See attached map for downtown Manhattan restaurants within walking distance.

12:00 - 1:30 pm **Careers 101 Workshop**
FREE (registration required). Lunch provided
Workshop is intended for early career professionals, postdocs, and students.

Cover letters often serve as the first page of job applications and are the first thing that future employers see. They demonstrate a candidate's qualifications, help put the CV into context, and showcase candidates written communication skills. This workshop includes evaluation of effective and ineffective cover letters, as well as practice creating cover letters.

For more information about this event, please contact: Monica Lewandowski (lewandowski.52@osu.edu)

1:45-4:45 ***Student Oral Presentations session #2***

5:00 - 6:15 pm Poster session & reception

6:30 pm + Banquet & Awards
Hilton Garden Inn & Manhattan Conference Center

Wednesday, June 12

Hilton Garden Inn & Manhattan Conference Center

8:30 - 10:00 am NC-APS Division business meeting

10:15-12:00 Workshop -The Tactile Toolbox: 3D Printing for IPM Workshop

PRELIMINARY SCHEDULE

Cost: FREE (registration required)

Join us for an innovative workshop on 3D printing for Integrated Pest Management (IPM)! You will learn the workflow to create 3D printing tools for IPM. Our *Tactile Toolbox Working Group* will establish a repository of 3D printed models to improve accuracy in disease severity and insect damage assessment. Expand your knowledge of effective training materials!

Organizer: Horacio Lopez-Nicora, Ohio State University. Contact email: Lopez-nicora.1@osu.edu