

2023 NFHB Forum Program

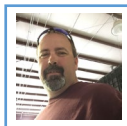
Cincinnati, Ohio | December 3-5, 2023

Sunday, December 3

1:00PM

Opening Session

1:05PM



Keynote Presentation

Dan Anderson, Anderson Wheat Farms, Colorado

Thoughts from a *Fusarium* Rookie

1:40PM



Industry Perspective

Dalton Henry, U.S. Wheat Associates

Impact of *Fusarium* and DON on the Global Import/Export of Wheat

2:00PM

General Session 1

2:05PM



Transformational Science

Barney Geddes, North Dakota State University

The Impact of Environment, Host Genotype and *Fusarium* Head Blight on Microbiome Assembly in a Barley Breeding Population

2:20PM

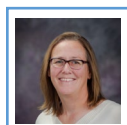


Transformational Science

Cory Hirsch, University of Minnesota

Rover Based Field Detection and Quantification of FHB

2:35PM



Transformational Science

Katherine Jordan, USDA-ARS

Haplotype-Informed Associations of FHB Resistance in U.S. Wheat Breeding

2:50PM



Transformational Science

Wanlong Li, South Dakota State University

Marker-Free Transfer of *Fhb7* to Barley

3:05PM



Transformational Science

Mohsen Mohammadi, Purdue University

Graphene Quantum Dots (GQDs) Mediated dsRNA Delivery for the Control of *Fusarium* Head Blight in Wheat

3:35PM

General Session 2

3:40PM



GDER

Elizabeth Brauer, Agriculture and Agri-Food Canada

Plant Physiology and Disease Resistance to Improve Cereal Crop Production

4:15PM



MGMT

Laurence Madden, The Ohio State University

A Network Meta-Analysis of Results from Over a Quarter-Century of Uniform Fungicide Trials in the U.S.

Monday, December 4

8:30AM-1:30PM

USWBSI Breakout Sessions

All attendees are welcome to attend.

1:45PM

General Session 3

1:50PM



VDHR

Santosh Kumar, Agriculture and Agri-Food Canada

FHB Resistance in Canadian Hard Red Spring Wheat

2:10PM

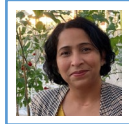


PBG

Robert Proctor, USDA-ARS

Plant Glucosyl Transferases and Trichothecene Structural Diversity

2:30PM



GDER

Namrat Jaiswal, USDA-ARS

Identification and Functional Characterization of a Candidate Effector Protease from *Fusarium Graminearum*

3:35PM

General Session 4

3:40PM



MGMT

Briana Whitaker, USDA-ARS

Fusarium Species Diversity within Spikes and Fields: Implications for FHB Management

4:20PM



VDHR

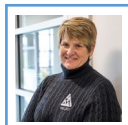
Kevin Smith, University of Minnesota

Breeding to Reduce the Risk of DON Contamination in Barley

9:00AM

General Session 5

9:05AM



FST

Carrie Maune, Trilogy Analytical Laboratory
Move Over DON – Multitoxin Testing Is Here

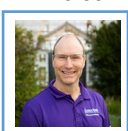
9:40AM



GDER

Mitch Elmore, USDA-ARS
Molecular Investigations into Fusarium Head Blight of Barley and Wheat

10:00AM



MGMT

Erick DeWolf, Kansas State University
Update on National Efforts to Improve FHB Forecasting with Model Ensembles and Machine Learning Techniques

10:40AM

General Session 6

10:45AM



PBG

Sean Walkowiak, Canadian Grain Commission-Grain Research Laboratory
Fusarium Incidence, Severity, and Diversity in Canada

11:10AM



VDHR

Rick Boyles, Clemson University
Past Progress and Recent Advances Towards Breeding for FHB Resistance in the Southern U.S.

11:45AM

Closing Session