

# 2022 NFHB Forum General Session Speakers



The 2022 Forum Organizing Committee has put together a valuable line up of General Session presentations for the upcoming National FHB Forum. Make plans to attend to learn the latest updates and new approaches from the following experts.

Full program details, including Opening Session, Flash & Dash, and Poster Session presentations, will be available closer to the dates of the event.

## Sunday, December 4



GDER

**Thomas Miedaner**, University of Hohenheim, Germany

Complex interactions between fusarium head blight resistance, plant height, and anther retention in wheat selected by genome-estimated breeding values



MGMT

**Kelsey Andersen Onofre**, Kansas State University

MGMT coordinated project overview and Kansas perspective



PGB

**David Haak**, Virginia Polytechnic Institute and State University

Microbial interactions with wheat and barley pathogens

## Monday, December 5



GDER

**Matthew Helm**, USDA-ARS

Engineering gene-for-gene resistance to fusarium head blight in wheat and barley



VDHR

**Katherine Frels**, University of Nebraska

Selecting for *Fusarium* resistance in the Great Plains



MGMT

**Darcy Telenko**, Purdue University

Evaluation of integrated disease management options for conventional and organic wheat production in Indiana



PBG

**Ludovic Bonhomme**, Université Clermont Auvergne, France

*Fusarium graminearum* infection strategy in wheat involves a highly conserved genetic program that controls the expression of a core effectome



VDHR

**Vijay Tiwari**, University of Maryland

Combining reverse and forward genetics tools to improve genetic resistance against FHB in small grain cereals

Tuesday, December 6



VDHR

**Rex Bernardo**, University of Minnesota (Virtual)

Should breeders routinely do recurrent selection during cultivar development?



PBG

**Martin Chilvers**, Michigan State University

*Fusarium* species composition and fungicide sensitivity in Michigan



MGMT

**Alyssa Koehler**, University of Delaware (Virtual)

Coordinated fungicide sensitivity project



FST

**Harmonie Bettenhausen**, Hartwick Center for Craft Food & Beverage

Evaluation of peracetic acid for suppression of *Fusarium* and DON during malting



GDER

**Guixia Hao**, USDA-ARS

Fungal elicitor-triggered immune responses in wheat and barley

**Special Thanks to the USWBSI 2022 Forum Organizing Committee (FOC) for Development of the Program**

#### **Co-Chairs**

Carl Schwinke, Siemer Milling Co.

Alyssa Collins, The Pennsylvania State University

#### **Members**

##### *FHB Management*

Ce Yang, University of Minnesota

Alyssa Koehler, University of Delaware

##### *Food Safety & Toxicology*

Jiajia Rao, North Dakota State University

Xiang Yin, Rahr Malting Corp.

##### *Gene Discovery and Engineering Resistance*

Guihua Bai, USDA-ARS

Nidhi Rawat, University of Maryland

##### *Pathogen Biology and Genetics*

Peter Oppenheimer, North Carolina State University

Imane Laraba, USDA-ARS

##### *Variety Development and Host Resistance*

Nicholas Santantonio, Virginia Tech

Shengming Yang, USDA-ARS

#### **Research Area Acronyms**

FST - Food Safety & Toxicology

GDER - Gene Discovery and Engineering Resistance

MGMT - FHB Management

PBG - Pathogen Biology and Genetics

VDHR - Variety Development and Host Resistance