



PROGRAM

2019 National Fusarium Head Blight Forum*

Hyatt Regency Milwaukee
Milwaukee, Wisconsin USA
December 8-10, 2019

Pre Forum Events

Sunday, December 8th

8:00 am-5:00 pm	REGISTRATION <i>Location: Regency Ballroom Prefunction – outside of Regency C/D near Coat Check</i>
9:00 am-12:45 pm	Authors set up posters <i>Location: Regency Ballroom A/B</i>

FORUM Begins

1:00-1:10 pm	WELCOME <i>Location: Regency Ballroom C/D</i> Ruth Dill-Macky, University of Minnesota Co-Chair, U.S. Wheat & Barley Scab Initiative
1:10-2:45 pm	GENERAL SESSION I - CHAIRPERSON: David Kendra <i>Location: Regency Ballroom C/D</i>
1:10-1:45	<i>Canadian Regulations for DON and FHB Levels</i> Santosh Kumar, Agriculture and Agri-Food Canada, Brandon, MB, CANADA
1:45-2:10	<i>Updated Insights on Efficacy and Timing of Fungicides from Multi-State Efforts</i> Andrew Friskop, North Dakota State University, Fargo ND, USA

*General Sessions and Flash and Dash Sessions will be held in Regency C/D. All Poster Sessions will be held in Regency Ballroom A/B. Forum Office is located in Solomon-Juneau.

Sunday, December 8th (*cont.*)

1:45-2:45 pm	GENERAL SESSION I (<i>cont.</i>) <i>Location: Regency Ballroom C/D</i>
2:15-2:45	<i>Introduction and Overview of the ARS Genotyping Labs and their work on Scab.</i> USDA-ARS Genotyping Lab Leaders: Guihua Bai, Manhattan, KS; Gina Brown-Guedira, Raleigh, NC; Jason Fiedler, Fargo, ND; and Deven See, Pullman, WA, USA
2:45-3:10 pm	FLASH & DASH SESSION 1a: Mini Oral Presentations associated with Even Numbered Posters (2, 14, 18, 24, and 26) <i>Location: Regency Ballroom C/D</i>
3:10-3:35 pm	REFRESHMENT BREAK <i>Location: Regency Ballroom Prefunction</i>
3:40-4:30 pm	GENERAL SESSION I - CHAIRPERSON: H. Corby Kistler <i>Location: Regency Ballroom C/D</i>
3:40-4:05	<i>Highly Aggressive and Toxigenic Transgressive Progeny from a Cross of Model Fusarium graminearum Strains PH-1 and GZ3639 are Associated with a Recombination Hotspot on Chromosome 2</i> Lisa Vaillancourt, University of Kentucky, Lexington, KY, USA
4:05-4:30	<i>Targeting Pathogenicity Mechanisms to Promote FHB-Resistance in Wheat</i> Jyoti Shah, University of North Texas, Denton, TX, USA
4:30-4:55 pm	FLASH & DASH SESSION 1b: Mini Oral Presentations associated with Even Numbered Posters (40, 44, 54, 60 and 62) <i>Location: Regency Ballroom C/D</i>
5:00-6:30 pm	POSTER SESSION 1: Even Numbered Posters (Authors with posters in this poster session should be at their posters from 5:15-6:00 pm) <i>Location: Regency Ballroom A/B</i>
5:30-6:30 pm	RECEPTION <i>Location: Inside Regency Ballroom A and Regency Ballroom Prefunction</i>
6:30-8:00 pm	DINNER <i>Location: Regency Ballroom C/D</i>

Sunday, December 8th (*cont.*)

8:00-9:00 pm	Evening Breakout Meeting ❖ Ug99 Stem Rust Breeding in Wheat and Barley Update <i>Location: Executive C/D</i> Facilitator: Jose Costa, USDA-ARS, Beltsville, MD
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Monday, December 9th

6:30-8:10 am	BREAKFAST – Full Breakfast Buffet (<i>breakfast voucher required</i>) <i>Location: Atrium</i>
8:00 am-4:00 pm	REGISTRATION <i>Location: Forum Office – Soloman-Juneau</i>

BREAKOUT MEETINGS**8:10 am–12:00 pm and 1:00–1:55 pm**

All Participants are welcome to attend any breakout except the USWBSI T3 Breeders Database Training which is limited to USWBSI Breeders/PIs only.

NOTE: There are two meeting rooms designated for networking activities / ‘impromptu’ meetings throughout the duration of the Forum: Pere Marquette and Executive D. Sign-up is not required to use those rooms; availability is on a ‘first come basis.’ A couple of small tables and chairs will also be setup in the back of Regency A/B (Poster Room) for attendees to use as well. However, no meetings are to be held inside Regency A/B during the scheduled Poster Sessions.

8:10-10:00 am	VDHR-MGMT JOINT SESSIONS – Joint sessions between breeders and pathologists by Market Class/Region. Groups will meet as indicated below:
8:10-8:30	❖ VDHR-MGMT JOINT SESSION – All Breeders and Pathologists meet together. <i>Location: Regency C/D</i> Facilitators: Stephen Baenziger and Andrew Friskop
8:35-9:25	❖ Hard Winter Wheat <i>Location: Executive A</i> Facilitators: Stephen Baenziger and Erick DeWolf
8:35-9:25	❖ Barley <i>Location: Executive B</i> Facilitators: Alyssa Collins and Kevin Smith
8:35-9:25	❖ Soft Winter Wheat <i>Location: Executive C</i> Facilitators: Christina Cowger and Clay Sneller

Monday, December 9th (*cont.*)

8:10-9:30 am	VDHR-MGMT JOINT SESSIONS (<i>cont.</i>)
8:35-9:25	<ul style="list-style-type: none"> ❖ Spring Wheat/Durum <i>Location: Crystal</i> Facilitators: Jim Anderson and Andrew Friskop
9:30-10:00	<ul style="list-style-type: none"> ❖ VDHR-MGMT JOINT SESSION – All Breeders and Pathologists reconvene to discuss results from small group discussions and reach consensus. <i>Location: Regency C/D</i> Facilitators: Stephen Baenziger and Andrew Friskop
8:45-10:00 am	NUTS AND BOLTS – This breakout is targeted for Graduate Students, Post Docs and Technicians, but anyone interested is welcome to attend. <i>Location: Lakeshore A</i> Facilitator: Amber Hoffstetter
9:15-10:00 am	GDER AND PBG JOINT BREAKOUT <i>Location: Lakeshore B</i> Facilitators: Steve Scofield and Todd Ward
10:00-10:25 am	REFRESHMENT BREAK <i>Location: Regency Ballroom Prefunction</i>
10:30-11:55 pm	RESEARCH AREA BREAKOUTS <ul style="list-style-type: none"> ❖ FHB Management (MGMT) <i>Location: Milwaukee A/B</i> Facilitator: Paul Esker ❖ Food Safety & Toxicology (FST) <i>Location: Executive B</i> Facilitator: Dave Kendra ❖ Gene Discovery & Engineering Resistance (GDER) <i>Location: Lakeshore B</i> Facilitator: Steve Scofield ❖ Pathogen Biology & Genetics (PBG) <i>Location: Lakeshore C</i> Facilitator: Todd Ward
10:30-11:30 am	USWBSI T3 BREEDERS DATABASE WORKSHOP –Breeders are required to attend, space is limited to PIs only <i>Location: Lakeshore A</i> Facilitator: David Waring

Monday, December 9th (cont.)

11:35 am-12:00 pm	<p>GENOTYPING LAB NETWORKING SESSIONS – USDA Lab Leaders meet with USWBSI Researchers in their region.</p> <ul style="list-style-type: none"> ❖ Northern and Southern Soft Winter Wheat Joint Session with USDA Eastern Regional Small Grains Genotyping Lab <i>Location: Lakeshore A</i> Facilitator: Gina Brown-Guedira ❖ Hard Winter Wheat Joint Session with USDA Central Small Grain Genotyping Lab <i>Location: Executive A</i> Facilitator: Guihua Bai ❖ Barley, Durum, and Spring Wheat Joint Session with USDA North Central and Western Small Grains Genotyping Labs <i>Location: Regency C/D</i> Facilitators: Jason Fiedler and Deven See
12:00-12:55 pm	<p>LUNCH</p> <p><i>Location: Atrium</i></p>
1:00-1:55 pm	<p>COORDINATED PROJECT BREAKOUTS</p> <ul style="list-style-type: none"> ❖ Barley Coordinated Project (BAR-CP) <i>Location: Lakeshore B</i> Facilitator: Brian Steffenson ❖ Durum Coordinated Project (DUR-CP) <i>Location: Executive B</i> Facilitators: Steven Xu ❖ Hard Winter Wheat Coordinated Project (HWW-CP) <i>Location: Executive A</i> Facilitator: Sunish Sehgal ❖ Variety Development and Host Resistance – Spring Wheat Region Coordinated Project (VDHR-SPR CP) <i>Location: Lakeshore C</i> Facilitator: Mory Rugg

Monday, December 9th (*cont.*)

1:00-1:55 pm	COORDINATED PROJECT BREAKOUTS (<i>cont.</i>) <ul style="list-style-type: none"> ❖ Variety Development and Host Resistance – Northern Soft Winter Wheat Coordinated Project (VDHR-NWW CP) <i>Location: Executive C</i> Facilitator: Jana Murche ❖ Variety Development and Host Resistance – Southern Soft Red Winter Wheat Coordinated Project (VDHR-SWW CP) <i>Location: Crystal</i> Facilitator: Steve Harrison
2:00-3:00 pm 2:00-2:25 2:25-3:00	GENERAL SESSION II - CHAIRPERSON: John McLaughlin <i>Location: Regency Ballroom C/D</i> <i>The Role of Plant Extracellular Vesicles in Immunity and Trans-Kingdom Silencing</i> Brian Rutter, Indiana University, Bloomington, IN, USA <i>Multi-pronged Strategies to Improving Fusarium Head Blight Resistance in Durum Wheat</i> Ehsan Sari, Crop Development Centre, Saskatoon, SK, CANADA
3:00-3:25 pm	FLASH & DASH SESSION 2a: Mini Oral Presentations associated with Odd Numbered Posters (15, 31, 33, 35 and 39) <i>Location: Regency Ballroom C/D</i>
3:25-3:45 pm	REFRESHMENT BREAK <i>Location: Regency Ballroom Prefunction</i>
3:50-4:40 pm 3:50-4:15 4:15-4:40	GENERAL SESSION II (<i>cont.</i>) - CHAIRPERSON: Andrew Friskop <i>Location: Regency Ballroom C/D</i> <i>A Grower's Perspective on Scab from Northwest North Dakota</i> Dustin Johnsrud, Private Producer, Epping, ND, USA <i>Steps for Approving and Validating Commercial Mycotoxin Test Kits</i> Ajit Ghosh, USDA's Agricultural Marketing Service (AMS), Kansas City, MO, USA
4:40-5:05 pm	FLASH & DASH SESSION 2b: Mini Oral Presentations associated with Odd Numbered Posters (43, 47, 51, 53 and 59) <i>Location: Regency Ballroom C/D</i>

Monday, December 9th (*cont.*)

5:10-6:40 pm	Poster Session 2: Odd Numbered Posters (Authors with posters in this poster session should be at their posters from 5:30-6:15 pm) <i>Location: Regency Ballroom A/B</i>
6:00-7:15 pm	RECEPTION <i>Location: Inside Regency Ballroom A and Regency A/D Prefunction</i>

Tuesday, December 10th

6:30-8:10 am	BREAKFAST – Full Breakfast Buffet (<i>breakfast voucher required</i>) <i>Location: Atrium</i>
8:20-10:00 am	GENERAL SESSION III - CHAIRPERSON: Boyd Padgett <i>Location: Regency Ballroom C/D</i> 8:20-8:40 <i>Epigenetic Modifications: A Novel Source of FHB Resistance in Durum Wheat</i> Jitendra Kumar, University of Minnesota, Saint Paul, MN, USA 8:40-9:08 <i>Can Agronomic Practices Reduce DON?</i> Carrie Knott, University of Kentucky, Lexington, KY, USA 9:08-9:35 <i>Effects of Head Morphology and Phenology on Fusarium Infection Processes and Implications for Disease Management in Barley</i> Robert Brueggeman, Washington State University, Pullman, WA, USA 9:35-10:00 <i>Application of Model Ensembles to the Prediction of Fusarium Head Blight</i> Erick DeWolf, Manhattan, KS, USA
10:00-10:25 am	REFRESHMENT BREAK <i>Location: Regency Ballroom Prefunction</i>
10:30-11:55 am	GENERAL SESSION III (cont.) - CHAIRPERSON: Brian Steffenson <i>Location: Regency Ballroom C/D</i> 10:30-10:55 <i>Color and Spectral Imaging for High-throughput Field FHB Detection and Lab DON Assessment</i> Ce Yang, University of Minnesota, St. Paul, MN, USA

Tuesday, December 10th *(cont.)*

11:30-11:55 am	GENERAL SESSION III <i>(cont.)</i>
10:55-11:30	<i>RNA-based Innovative Plant Protection Strategies for Controlling Fungal Pathogens</i> Hailing Jin, University of California, Riverside, CA, USA
11:30-11:55	<i>Challenges and Efforts to Maintain Winter Barley as a Viable Crop in the Eastern U.S.</i> Carl Griffey, Virginia Polytechnic and State University, Blacksburg, VA, USA
11:55 am	TAKING CARE OF BUSINESS AND CLOSING REMARKS <i>Location: Regency Ballroom C/D</i> Doyle Lentz, Co-Chair, U.S. Wheat & Barley Scab Initiative and Private Producer, Rolla, ND, USA
12:00 pm	FORUM ADJOURNS

POST FORUM MEETINGS

12:05-12:55pm	USWBSI Steering Committee (SC) Lunch (SC members only) <i>Location: Gilpatrick</i>
1:00-4:00 pm	USWBSI Steering Committee Meeting (Closed meeting - SC members only) <i>Location: Lakeshore</i>
4:00-6:00 pm	NWIC Evening Session <i>Location: Lakeshore</i> Chair: Eric Olson, Michigan State University

Wednesday, December 11th

8:00 am-3:00 pm	National Wheat Improvement Full Committee (NWIC) Meeting <i>Location: Lakeshore</i> Chair: Eric Olson, Michigan State University
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