



PROGRAM

2017 National Fusarium Head Blight Forum*

Hyatt Regency Milwaukee
Milwaukee, Wisconsin USA
December 3-5, 2017

Pre Forum Events

Sunday, December 3rd

8:30 am-5:00 pm 8:30 am-12:45 pm 1:40-5:00 pm	FORUM CHECK-IN/ON-SITE REGISTRATION <i>Location: Regency Ballroom Prefunction near Coat Check</i> <i>Location: Forum Office - Solomon-Juneau</i>
9:00 am-12:45 pm	Authors set up posters <i>Location: Regency Ballroom A/B</i>
9:30-11:30 am	WHEAT BLAST RESEARCH UPDATE <i>Location: Lakeshore (1st Floor)</i> Contact: Pierce Paul, The Ohio State University

FORUM Begins

1:00-1:35 pm	WELCOME AND KEYNOTE SPEAKER <i>Location: Regency Ballroom C/D</i> Welcome Doyle Lentz, Rolla, ND, USA Co-Chair, U.S. Wheat & Barley Scab Initiative
1:10-1:35	Five Ongoing Challenges for the USWBSI Dave Van Sanford, University of Kentucky, Lexington, KY, USA

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

Sunday, December 3rd (cont.)

1:35-2:35 pm	GENERAL SPEAKER SESSION I - Chair: Tom Baldwin <i>Location: Regency Ballroom C/D</i>
1:35-2:00	<i>Robust Management Programs to Minimize Losses due to Fusarium Head Blight and Deoxynivalenol in Wheat</i> Pierce Paul, The Ohio State University, Wooster, OH, USA
2:00-2:35	<i>Fusarium graminearum and the Coordination of Virulence</i> Neil Brown, Rothamsted Research/University of Bath, Harpenden, Hertfordshire, UNITED KINGDOM
2:35-3:00 pm	REFRESHMENT BREAK <i>Location: Regency Ballroom Prefunction</i>
3:05-4:20 pm	GENERAL SPEAKER SESSION I- Chair: Pravin Gautam <i>Location: Regency Ballroom C/D</i>
3:05-3:30	<i>Decades of Breeding Scab Resistant Durum Wheat in North Dakota: Successes and Challenges</i> Elias Elias, North Dakota State University, Fargo, ND, USA
3:30-3:55	<i>Mechanistic Studies of Pore Forming Toxin Gene</i> Nidhi Rawat, University of Maryland, College Park, MD, USA
3:55-4:20	<i>Occurrence of Deoxynivalenol and Deoxynivalenol-3-glucoside in Hard Red Spring Wheat Grown in the USA</i> Senay Simsek, North Dakota State University, Fargo, ND, USA
4:20-4:50 pm	FLASH & DASH SESSION 1: Mini Oral Presentations associated with Even Numbered Posters <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 3rd (cont.)

7:30-7:55 pm	Special Recognition of Dave Van Sanford, USWBSI Co-Chair <i>Location: Regency Ballroom C/D</i>
8:00-9:15 pm	UG99 STEM RUST BREEDING IN WHEAT AND BARLEY UPDATE <i>Location: Executive C/D</i> Facilitator: Jose Costa, USDA-ARS, Beltsville, MD

Monday, December 4th

6:30-8:15 am	BREAKFAST BUFFET (Present coupon to server/attendant) <i>Location: Atrium</i>
8:00 am-4:00 pm	FORUM CHECK-IN/ON-SITE REGISTRATION <i>Location: Forum Office – Solomon-Juneau</i>

BREAKOUT MEETINGS**8:30 am–12:00 pm and 1:00–2:15 pm**

All Participants are welcome to attend any breakout except the USWBSI T3 Breeders Database Training which is limited to Breeders 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; availability is on a ‘first come basis.’ Tables and chairs will also be setup in the back of Regency A/B (Poster Room) and outside of Milwaukee A/B (beginning morning of 12/4) for attendees to use as well. No meetings are to be held inside Regency A/B during the scheduled Poster Sessions.

8:30-9:10 am	VDHR-MGMT JOINT SESSIONS – Joint sessions between breeders and pathologists by Market Class/Region. Groups will meet separately as indicated below from 8:30-9:10 am, and then all groups come back together in Regency C/D from 9:15-9:35 am.
8:30-9:10	❖ Hard Winter Wheat <i>Location: Executive A</i> Facilitators: Erick De Wolf and Stephen Baenziger
8:30-9:10	❖ Spring Wheat/Barley/Durum <i>Location: Executive B</i> Facilitators: Ruth Dill-Macky and Andrew Green
8:30-9:10	❖ Northern Soft Winter Wheat <i>Location: Executive C</i> Facilitators: Carl Bradley and Mark Sorrells

Monday, December 4th (cont.)

8:30-9:10 am	VDHR-MGMT JOINT SESSIONS (cont.)
8:30-9:10	<p>❖ Southern Soft Winter Wheat <i>Location: Crystal</i> Facilitators: Christina Cowger and Carl Griffey</p>
9:00-10:00 am	GDER AND PBG JOINT SESSION BREAKOUT
	<p><i>Location: Lakeshore B</i> Facilitators: Steve Scofield AND Corby Kistler</p>
9:15-9:35 am	VDHR-MGMT JOINT SESSIONS – All Breeders and Pathologists meet as large group.
	<p><i>Location: Regency C/D</i> Facilitators: Christina Cowger and Dave Van Sanford</p>
9:40-10:00 am	USWBSI T3 BREEDERS DATABASE TRAINING – INDIVIDUAL SESSIONS BY COORDINATED PROJECTS
	<p><i>Location: Crystal</i> Facilitators: Clare Saied and Clay Birkett</p>
9:40-10:00	❖ Barley CP Breeders
10:00-10:30 am	REFRESHMENT BREAK
	<i>Location: Regency Ballroom Prefunction</i>
10:30-11:10 am	USWBSI BREEDERS T3 DATABASE TRAINING (cont.)
	<p><i>Location: Crystal</i> Facilitators: Clare Saied and Clay Birkett</p>
10:30-10:50	❖ Hard Winter Wheat CP Breeders
10:50-11:10	❖ VDHR-Spring Wheat Region/Durum CP Breeders
10:35-11:10 am	VDHR NORTHERN AND SOUTHERN CP BREEDERS JOINT MEETING
	<p><i>Location: Executive C</i> Facilitators: Eric Olsen and Esten Mason</p>
10:35-11:50 am	NUTS AND BOLTS: FHB METHODS – This breakout is targeted for Graduate Students, Post Docs and Technicians, but anyone interested is welcome to attend.
	<p><i>Location: Lakeshore A</i> Facilitators: Kay Ruden and Mike Fulcher</p>

Monday, December 4th (cont.)

10:35-11:50 am	<p>RESEARCH AREA BASED BREAKOUTS</p> <ul style="list-style-type: none"> ❖ FHB Management (MGMT) <i>Location: Milwaukee A/B</i> Facilitator: Andrew Friskop ❖ Food Safety & Toxicology (FST) <i>Location: Executive B</i> Facilitator: Paul Schwarz ❖ Gene Discovery & Engineering Resistance (GDER) <i>Location: Lakeshore B</i> Facilitator: Steve Scofield ❖ Pathogen Biology & Genetics (PBG) <i>Location: Lakeshore C</i> Facilitator: Corby Kistler
<p>11:15 am-12:00 pm</p> <p>11:15-11:35</p> <p>11:40 am-12:00 pm</p>	<p>USWBSI BREEDERS T3 DATABASE TRAINING (cont.) <i>Location: Crystal</i> Facilitators: Clare Saied and Clay Birkett</p> <ul style="list-style-type: none"> ❖ VDHR-Southern CP Breeders ❖ VDHR-Northern CP Breeders
12:00-12:55 pm	<p>LUNCH <i>Location: Atrium</i></p>
1:00-2:15 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

Monday, December 4th *(cont.)*

1:00-2:15 pm	<p>COORDINATED PROJECT BREAKOUTS <i>(cont.)</i></p> <ul style="list-style-type: none"> ❖ Variety Development and Host Resistance – Spring Wheat Region Coordinated Project (VDHR-SPR CP) <i>Location: Lakeshore C</i> Facilitator: Jochum Wiersma ❖ Variety Development and Host Resistance – Northern Soft Winter Wheat Coordinated Project (VDHR-NWW CP) <i>Location: Executive C</i> Facilitator: Eric Olson ❖ Variety Development and Host Resistance – Southern Soft Red Winter Wheat Coordinated Project (VDHR-SWW CP) <i>Location: Crystal</i> Facilitator: Esten Mason
2:20-3:10 pm	<p>GENERAL SPEAKER SESSION II - Chair: Mohamad Mergoum <i>Location: Regency Ballroom C/D</i></p> <p>2:20-2:45 <i>FHB Impacts on Southeastern Millers, Farmers, Seedsmen and Breeders</i> Jimmy Clements, AGSouth Genetics LLC, Albany, GA, USA</p> <p>2:45-3:10 <i>Data Management for Efficient Phenotypic and Genomic Selection in Applied Breeding Programs</i> Richard Horsley, North Dakota State University, Fargo, ND, USA</p>
3:10-3:40 pm	<p>REFRESHMENT BREAK <i>Location: Regency Ballroom Prefunction</i></p>
3:45-4:20 pm	<p>GENERAL SPEAKER SESSION II - Chair: Nathan Kleczewski <i>Location: Regency Ballroom C/D</i></p> <p>3:45-4:20 <i>Unraveling FHB Epidemics in the Brazilian Subtropics: Lessons Learned and Control Strategies</i> Emerson Del Ponte, University Federal de Viçosa, Viçosa - MG, BRAZIL</p>
4:20-4:50 pm	<p>FLASH & DASH SESSION 2: Mini Oral Presentations associated with Odd Numbered Posters <i>Location: Regency Ballroom C/D</i></p>

Monday, December 4th (cont.)

5:00-6:30 pm	Poster Session 2: Odd 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>
5:45-7:15 pm	RECEPTION <i>Location: Inside Regency Ballroom A and Regency Ballroom Prefunction</i>

Tuesday, December 5th

6:30-8:15 am	BREAKFAST BUFFET (Present coupon to server/attendant) <i>Location: Atrium</i>
8:20-10:00 am	GENERAL SPEAKER SESSION III - Chair: Harold Trick <i>Location: Regency Ballroom C/D</i>
8:20-8:45	<i>Enhanced Resistance to Fusarium graminearum by Expression of Non-specific Lipid Transfer Proteins in Wheat</i> John McLaughlin, Rutgers University, New Brunswick, NJ, USA
8:45-9:10	<i>A Seed Industry Perspective to Breed for Scab Disease</i> John W. Pitkin, Monsanto, Chesterfield, MO, USA
9:10-9:35	<i>Loss Function of TaHRC in Fhb1 Region Increased FHB Resistance</i> Guihua Bai, USDA-ARS, Manhattan, KS, USA
9:35-10:00	<i>Lessons from Fusarium graminearum Fungicide Sensitivity Testing</i> Nolan Anderson, University of Kentucky, Princeton KY, USA
10:00-10:30 am	REFRESHMENT BREAK <i>Location: Regency Ballroom Prefunction</i>
10:35-11:55 am	GENERAL SPEAKER SESSION III - Chair: Nathan Kleczewski <i>Location: Regency Ballroom C/D</i>
10:35-11:10	<i>Cellular and Subcellular Changes of Fusarium graminearum during DON Mycotoxin Biosynthesis</i> Marika Boenisch, University of Minnesota, St. Paul, MN, USA

Tuesday, December 5th *(cont.)*

10:35-11:55 am	GENERAL SPEAKER SESSION III <i>(cont.)</i>
11:10-11:35	<i>Multi-state Research on the Effect of Quinone Outside Inhibitor (Strobilurin) Fungicides on DON Contamination in Wheat Grain.</i> Carl Bradley, University of Kentucky, Princeton, KY, USA
11:35-11:55	<i>A Regional Approach to Genomic Selection for Scab Resistance</i> Martin Sarinelli, North Carolina State University, Raleigh, NC, USA
11:55 am-12:00 pm	TAKING CARE OF BUSINESS AND CLOSING REMARKS <i>Location: Regency Ballroom C/D</i> Ruth Dill-Macky, University of Minnesota, St. Paul, MN, USA
12:00 pm	FORUM ADJOURNS

POST FORUM MEETINGS

12:05-12:55 pm	USWBSI Steering Committee (SC) Lunch (SC members only) <i>Location: Lakeshore C</i>
1:00-4:30 pm	USWBSI Steering Committee (SC) Meeting (Closed meeting - SC members only) <i>Location: Lakeshore A/B</i>

Wednesday, December 6th

8:00 am-3:00 pm	National Wheat Improvement Committee (NWIC) Meeting <i>Location: Lakeshore A/B</i> Chairman: Bob Zemetra, Oregon State University
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