

FORUM PROGRAM



2014 National Fusarium Head Blight Forum
Hyatt Regency St. Louis at the Arch
St. Louis, Missouri, USA
December 7-9, 2014



PROGRAM

2014 National Fusarium Head Blight Forum*

Hyatt Regency St. Louis at the Arch

St. Louis, Missouri USA

December 7-9, 2014

Sunday, December 7th

8:00 am-12:00 pm	Wheat Germplasm Committee <i>Location: Sterling 1</i> Facilitator: Kim Garland-Campbell
8:30 am-5:00 pm	REGISTRATION <i>Location: Regency Ballroom Prefunction –outside of Regency B by elevators.</i>
9:00 am-12:00 pm	Wheat Blast Workshop <i>Location: Sterling 9</i> Facilitator: Erick DeWolf
9:00 am-12:45 pm	Authors set up posters <i>Location: Regency Ballroom A/B</i>

FORUM Begins

1:00-1:35 pm	Welcome and Keynote Speaker <i>Location: Regency Ballroom E/F</i> Welcome Dave Van Sanford, University of Kentucky, Lexington, KY, USA Co-Chair, U.S. Wheat & Barley Scab Initiative
1:05-1:35 pm	Deoxynivalenol: Sisyphus or Simple Sudoku? Don Mennel, Mennel Milling Co., Fostoria, OH, USA

* General Sessions - Regency Ballroom – 12/7: E/F; 12/8-12/9: C/D
Flash & Dash Sessions - Regency Ballroom– 12/7: E/F; 12/8-12/9: C/D
Poster Sessions - Regency Ballroom A/B
Forum Office – Sterling 6

Sunday, December 7th (cont.)

1:35-2:45 pm	GENERAL SESSION 1 - CHAIRPERSON: Frances Trail <i>Location: Regency Ballroom E/F</i>
1:35-2:00	<i>Effect of Glyphosate on Fusarium Head Blight in Wheat and Barley under Different Soil Tillages in Eastern Canada</i> Marie-Eve Bérubé, Environment Ministry of Quebec, Quebec City, Quebec, Canada
2:00-2:45	<i>Fungicide Resistance in Fusarium graminearum</i> Yiping Hou, Nanjing Agricultural University, Nanjing, Jiangsu Province, China
2:45-3:05 pm	BREAK <i>Location: Regency Ballroom Foyer</i>
3:05-3:45 pm	GENERAL SESSION 1 (cont.) - CHAIRPERSON: Karl Glover
3:05-3:25	<i>Identification of New QTLs for Native Resistance to FHB</i> Subas Malla, Virginia Tech., Blacksburg, VA, USA
3:25-3:45	<i>Developing Transgenic Wheat and Barley that Exhibit Resistance to Fusarium graminearum via Glucoside Conjugation of Trichothecene Mycotoxins</i> Gary Muehlbauer, University of Minnesota, St. Paul, MN, USA
3:45-4:30 pm	FLASH & DASH SESSION 1: Mini Talks associated with Even Numbered Posters SESSION CHAIR: David Schmale <i>Location: Regency Ballroom E/F</i>
4:30-6:00 pm	POSTER SESSION 1: Even Numbered Posters (Authors with posters in this poster session should be at their posters from 4:45-5:30 pm) <i>Location: Regency Ballroom A/B</i>
5:30-6:30 pm	RECEPTION <i>Location: Inside Regency Ballroom B and Regency Ballroom Foyer</i>
6:30-7:45 pm	DINNER <i>Location: Regency Ballroom E-F</i>
7:45-9:30 pm	Evening Breakout Meetings
7:45-9:15 pm	❖ Risk Forecasting Group <i>Location: Grand A (4th Floor)</i> Facilitator: Erick DeWolf, Kansas State University
8:00-9:30 pm	❖ Ug99 Stem Rust Breeding in Wheat and Barley Update. <i>Location: Grand B (4th Floor)</i> Facilitator: Jose Costa, USDA-ARS, Beltsville, MD

Monday, December 8th

8:00 am-4:00 pm	REGISTRATION <i>Location: Regency Ballroom Prefunction –outside of Regency B near elevators</i>
BREAKOUT MEETINGS 8:15 am-12:15 pm <i>All Participants welcome to attend any breakout</i>	
8:15-9:30 am	<p>NUTS AND BOLTS: FHB METHODS – This breakout is targeted for Graduate Students, Post Docs and Technicians, but anyone interested is welcome to attend. <i>Location: Grand F (4th Floor)</i> Facilitators: Anthony Clark and Stine Peterson</p> <p>VARIETY DEVELOPMENT AND FHB MANAGEMENT - Joint sessions for breeders and pathologists by Market Class/Region. <u>NOTE:</u> Everyone will convene in Regency C/D from 8:15-8:30 am and then break into individual groups as indicated below:</p> <ul style="list-style-type: none"> ❖ Hard Winter Wheat <i>Location: Sterling 3</i> Facilitators: Erick DeWolf and Bill Berzonsky ❖ Spring Wheat/Barley/Durum <i>Location: Regency C/D</i> Facilitators: Ruth Dill-Macky and Karl Bradley ❖ Northern Soft Winter Wheat <i>Location: Sterling 4</i> Facilitator: Carl Bradley and Dave Van Sanford ❖ Southern Soft Winter Wheat <i>Location: Sterling 2</i> Facilitator: Christina Cowger and Carl Griffey
8:30-9:30 am	<p>GDER AND PBG BREAKOUT <i>Location: Grand G (4th Floor)</i> Facilitators: Gary Muehlbauer and David Schmale</p>
9:30-10:15 am	<p>RESEARCH AREA BASED BREAKOUTS</p> <ul style="list-style-type: none"> ❖ FHB Management (MGMT) <i>Location: Sterling 9</i> Facilitator: Erick DeWolf ❖ Food Safety & Toxicology (FST) <i>Location: Sterling 4</i> Facilitator: Jim Pestka

Monday, December 8th (*cont.*)

9:30-10:15 am	RESEARCH AREA BASED BREAKOUTS (<i>cont.</i>) <ul style="list-style-type: none"> ❖ Gene Discovery & Engineering Resistance (GDER) <i>Location: Grand G (4th Floor)</i> Facilitator: Gary Muehlbauer ❖ Pathogen Biology & Genetics (PBG) <i>Location: Sterling 2</i> Facilitator: David Schmale ❖ Variety Development & Host Resistance (VDHR) <i>Location: Regency C/D</i> Facilitator: Dave Van Sanford
10:15-10:45 am	BREAK <i>Location: Regency Ballroom Foyer</i>
10:45 am-11:15 pm	VDHR Northern and Southern Soft Winter Wheat Joint Meeting <i>Location: Regency C/D</i> Facilitator: Clay Sneller and Paul Murphy NOTE: At 11:15, groups will break and begin meeting on own as indicated below.
10:45 am-12:15 pm	COORDINATED PROJECT BREAKOUTS – Research Areas may continue their group discussions if needed: <ul style="list-style-type: none"> ❖ Barley Coordinated Project (BAR-CP) <i>Location: Grand C (4th Floor)</i> Facilitator: Robert Brueggeman ❖ Durum Coordinated Project (DUR-CP) <i>Location: Sterling 8</i> Facilitators: Steven Xu ❖ Hard Winter Wheat Coordinated Project (HWW-CP) <i>Location: Mills 3 (4th Floor)</i> Facilitator: Bill Berzonsky ❖ Variety Development and Host Resistance – Spring Wheat Region Coordinated Project (VDHR-SPR CP) <i>Location: Sterling 3</i> Facilitator: Jochum Wiersma ❖ Variety Development and Host Resistance – Northern Soft Winter Wheat Coordinated Project (VDHR-NWW CP) <i>Location: Regency C/D</i> Facilitator: Clay Sneller ❖ Variety Development and Host Resistance – Southern Soft Red Winter Wheat Coordinated Project (VDHR-SWW CP) <i>Location: Sterling 5</i> Facilitator: Paul Murphy

Monday, December 8th *(cont.)*

12:15-1:15 pm	LUNCH <i>Location: Regency Ballroom E/F</i>
1:30-2:35 pm	GENERAL SESSION 2 - CHAIRPERSON: Esten Mason <i>Location: Regency Ballroom C/D</i>
1:30-1:55	<i>A Producer's Perspective and Recent Concerns with Fusarium Head Blight.</i> Laird Larson, South Dakota Wheat Council, Clark, SD, USA
1:50-2:15	<i>Triazole Resistance in F. graminearum</i> Gary Bergstrom, Cornell University, Ithaca, NY, USA
2:15-2:40	<i>Use of Identity by Descent Mapping Approaches for FHB Resistance.</i> Jose Gonzalez, South Dakota State University, Brookings, SD, USA
2:40-3:00 pm	BREAK <i>Location: Regency Ballroom Foyer</i>
3:00-3:45 pm	GENERAL SESSION 2 (cont.) - CHAIRPERSON: Steve Scofield <i>Location: Regency Ballroom C/D</i>
3:00-3:45	<i>Host-Induced Gene Silencing (HIGS) to Engineer Resistance to FHB</i> Karl-Heinz Kogel, Justus Liebig University Giessen, Giessen, Hesse, Germany
3:45-4:30 pm	FLASH & DASH SESSION 2: Mini Talks associated with Odd Numbered Posters SESSION CHAIR: Gary Muehlbauer <i>Location: Regency Ballroom C/D</i>
4:30-6:00 pm	Poster Session 2: Odd Numbered Posters (Authors with posters in this poster session should be at their posters from 4:45-5:30 pm) <i>Location: Regency Ballroom A/B</i>
5:00-6:00 pm	RECEPTION <i>Location: Inside Regency Ballroom A and Regency Ballroom Foyer</i>
6:00 pm	Session Adjourns – <i>Forum Attendees are on their own for dinner</i>

Tuesday, December 9th

8:20-10:00 am	GENERAL SESSION 3 - CHAIRPERSON: Jim Pestka <i>Location: Regency Ballroom C/D</i>
8:20-8:50	<i>Meta-analysis of 19 Years of Fungicide Trials for the Control of Fusarium Head Blight of Wheat</i> Larry Madden, The Ohio State University, Wooster, OH, USA
8:50-9:15	<i>Using Marker-Assisted Selection to Improve Hard Winter Wheat FHB Resistance</i> Guihua Bai, USDA-ARS, Manhattan, KS, US
9:15-10:00	<i>New Tricks of an Old Enemy: Isolates of Fusarium graminearum Produce a Novel Type A Trichothecene Mycotoxin</i> Gerhard Adam, Univ. of Natural Resources & Life Sciences (BOKU), Tulln, Noe Lower Austria, Austria
10:00-10:25 am	BREAK <i>Location: Regency Ballroom Foyer</i>
10:25-11:55 am	GENERAL SESSION 3 (cont.) - CHAIRPERSON: Carl Bradley
10:25-10:45	<i>Chromosome Engineering and Next Generation Sequencing Assisted Transfer and Deployment of Alien Grass Species Resistance to FHB in Wheat</i> Bikram Gill, Kansas State University, Manhattan, KS, USA
10:45-11:10	<i>Ground vs. Aerial Application of Fungicide Applications</i> David Hooker, University of Guelph, Ridgetown, Ontario, Canada
11:10-11:30	<i>Genotyping by Sequencing for Footprints of Selection in Fusarium graminearum</i> Chris Toomajian, Kansas State University, Manhattan, KS, USA
11:30-11:55	<i>Using Near-Infrared Spectroscopy to Select for Resistance to FHB</i> Floyd Dowell, USDA-ARS, Manhattan, KS, USA
11:55 am	TAKING CARE OF BUSINESS AND CLOSING REMARKS Art Brandli, Co-Chair, U.S. Wheat & Barley Scab Initiative Warroad, MN, USA
12:00 pm	FORUM ADJOURNS

Tuesday, December 9th (cont.)**POST FORUM EVENTS/MEETINGS**

12:00-1:00 pm	Lunch for USWBSI Steering Committee <i>Location: Regency E</i>
12:30-4:30 pm	Monsanto Tour - <i>Participants should meet in hotel lobby.</i>
1:00-4:30 pm	USWBSI Steering Committee Meeting (Closed meeting - SC members only) <i>Location: Regency F</i>

Wednesday, December 10th

8:30 am-5:00 pm	National Wheat Improvement Committee (NWIC) Meeting <i>Location: Regency B</i> Facilitator: Paul Murphy, North Carolina State University
-----------------	--

Organized by:



**U.S. Wheat & Barley
Scab Initiative**