

FORUM PROGRAM



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



U.S. Wheat & Barley
Scab Initiative

Welcome to the 2014 National Fusarium Head Blight Forum!



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Scab Initiative

What's in your Packet?

The following items are included in the Forum packet:

- ✓ Forum Program;
- ✓ Name Badge (Serves as ticket for 12/7 Dinner and 12/8 Lunch, receptions and refreshment breaks; please wear at all times);
- ✓ Coupons for breakfast buffet in Red Kitchen restaurant; one for 12/8 and one for 12/9.
NOTE: Coupons are **ONLY valid** for the **breakfast buffet**.
- ✓ Forum Proceedings - Table of Contents;
- ✓ Forum Attendees;
- ✓ Flash & Dash Presentations by Session;
- ✓ Posters sorted by Poster Session and Poster Number;
- ✓ Poster Room Layout;
- ✓ Meeting Space Layout;
- ✓ Announcement for 2015 National FHB Forum; and
- ✓ Suggestion Form

Meals & Refreshment Breaks

The following meals are covered by the registration fee:

- ❖ Sunday, 12/7:
 - PM Refreshment Break
 - Reception: Complimentary beer, wine and non-alcoholic beverages; cash bar for cocktails/mixed drinks
 - Dinner - 6:30-8:00 pm
- ❖ Monday, 12/8:
 - Breakfast – Red Kitchen (present coupon to waiter; coupon includes gratuity and is valid ONLY for the breakfast buffet)
 - Lunch – 12:00-1:15 pm
 - AM and PM Refreshment Breaks
 - Reception: Complimentary beer, wine and non-alcoholic beverages; cash bar for cocktails/mixed drinks
- ❖ Tuesday, 12/9:
 - Breakfast – Red Kitchen (present coupon to waiter; coupon includes gratuity and is valid ONLY for the breakfast buffet)
 - AM Refreshment Break

Flash & Dash Presentations

The two sessions for the Flash & Dash (F&D) presentations will be held in the Regency Ballroom E/F on 12/7 and in C/D on 12/8 and 12/9.

Sessions

Associated with Even Numbered Posters
Associated with Odd Numbered Posters

Time

Sunday, Dec. 7th, 3:45-4:30 pm
Monday, Dec. 8th, 3:34-4:30 pm

Poster Sessions

Authors may set up their posters in Regency Ballroom A/B from 9:30 am – 12:45 pm on Sunday, December 7th. Posters must be setup prior to the first poster session (see below). Posters should remain up throughout the duration of the Forum.

Sessions

Even Numbered Posters
Odd Numbered Posters

Time

Sunday, December 7th, 4:30-6:00 pm
Authors should be at their posters 4:45-5:30 pm
Monday, December 8th, 4:30-6:00 pm
Authors should be at their posters 4:45-5:30 pm

Hotel Amenities/Info

- Check-in: 3:00 PM; Check-out: 12:00 pm
- Free High Speed Internet access in guest rooms and meeting space
- Business Center/WiFi in public areas
- 24 hour Fitness Center – Stay Fit Health Club
- ATM
- Onsite Restaurants: Red Kitchen and Bar; Ruth's Chris Steakhouse, Brewhouse and Starbucks
- Hotel's address: 315 Chestnut Street., St. Louis, MO 63102

Important Phone Numbers

Forum Office (located in Sterling 6): 517-290-5023
Hyatt Regency St. Louis at the Arch: 314-655-1234

If you have any questions or need assistance, please ask any Forum staff member (look for blue ribbon on name badge).



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	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 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: <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 Glover ❖ 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	GDER AND PBG BREAKOUT <i>Location: Grand G (4th Floor)</i> Facilitators: Gary Muehlbauer and David Schmale
9:30-10:15 am	RESEARCH AREA BASED BREAKOUTS <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
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Organized by:



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