



PROGRAM

2011 National Fusarium Head Blight Forum*

Hyatt Regency St. Louis at the Arch

St. Louis, Missouri USA

December 4-6, 2011

FORUM Begins

Sunday, December 4th

8:30 am-5:00 pm	REGISTRATION <i>Location: Regency Ballroom Prefunction –outside of Regency B</i>
9:00 am-12:45 pm	Authors set up posters <i>Location: Regency Ballroom A/B</i>
1:00-1:35 pm	Welcome and Keynote Speaker <i>Location: Regency Ballroom C/D</i> Welcome Dave Van Sanford, University of Kentucky, Lexington, KY, USA Co-Chair, U.S. Wheat & Barley Scab Initiative <i>What is Happening to Barley, the Soul of Beer?</i> Ralph A. Judd III, ABInBev, St. Louis, MO, USA
1:40-4:30 pm	SESSION 1: VARIETY DEVELOPMENT AND HOST PLANT RESISTANCE (VD-HPR) CO-CHAIRPERSONS: Rich Horsley, North Dakota State University and Steven Xu, USDA-ARS, Fargo, ND <i>Location: Regency Ballroom C/D</i> <i>New Sources of Resistance to FHB and Indicators of their Action</i> George Fedak, Agriculture and Agri-Food Canada, Ottawa, Ontario, Canada

*All speaker sessions will be held in Regency Ballroom C/D. All poster sessions will be held in Regency Ballroom A/B. Forum Office is located in Sterling 6.

Sunday, December 4th (*cont.*)

1:40-4:30 pm	SESSION 1: VARIETY DEVELOPMENT AND HOST PLANT RESISTANCE (<i>cont.</i>) <i>FHB Resistance in Durum Wheat – Progress and Challenge</i> Xiwen Cai, North Dakota State University, Fargo, ND, USA <i>Breeding for Scab Resistant Hard Winter Wheat: The Thrill of Victory and the Agony of Defeat</i> P. Stephen Baenziger, University of Nebraska, Lincoln, NE, USA <i>Using Marker-Assisted Selection to Improve FHB Resistance in Hard Winter Wheat</i> Guihua Bai, USDA-ARS, Manhattan, KS, USA <i>Genomic Selection for Fusarium Head Blight Resistance in Barley</i> Kevin Smith, University of Minnesota, St. Paul, MN, USA
3:00-3:20 pm	BREAK <i>Location: Regency Ballroom Foyer</i>
4:30-6:00 pm	VD-HPR Poster Session (Authors with posters in this poster session should be at their posters from 4:45-5:30 p.m.) <i>Location: Regency Ballroom A/B</i>
5:30-6:30 pm	RECEPTION <i>Location: Inside Regency Ballroom B and Regency Ballroom Foyer</i>
6:30-8:00 pm	DINNER <i>Location: Regency Ballroom E/F</i>

Monday, December 5th

6:30-8:15 am	BREAKFAST – Full Breakfast Buffet <i>Location: Red Kitchen, Hotel Lobby</i>
8:00 am-4:30 pm	REGISTRATION <i>Location: Forum Office – Sterling 6</i>
8:00-9:15 am	SESSION 2: PATHOGEN BIOLOGY AND GENETICS (PBG) CHAIRPERSON: Ivan Rayment, University of Wisconsin <i>Location: Regency Ballroom C/D</i> <i>Microbial Detoxifications of Deoxynivalenol (DON) and Their Potential Applications in Mitigating Mycotoxin Contaminations</i> Ting Zhou, Agriculture and Agri-Food Canada, Guelph, Ontario, Canada

Monday, December 5th (*cont.*)

8:00-9:15 am	SESSION 2: PATHOGEN BIOLOGY AND GENETICS (<i>cont.</i>) <i>Vegetative Compatibility - A Native Fungal Mechanism for Inducing Death in G. zeae</i> John Leslie, Kansas State University, Manhattan, KS, USA
9:15-9:40 am	SESSION 3: GENE DISCOVERY AND ENGINEERING RESISTANCE (GDER) CHAIRPERSON: Nilgun Tumer, Rutgers University <i>Location: Regency Ballroom C/D</i> <i>Can Brachypodium Provide Insight into FHB?</i> Paul Nicholson, John Innes Center, Norwich, Norfolk, United Kingdom
9:40 am	BREAK <i>Location: Regency Ballroom Foyer</i>
9:55-11:00 am	SESSION 3: GENE DISCOVERY AND ENGINEERING RESISTANCE (<i>cont.</i>) <i>Location: Regency Ballroom C/D</i> <i>Identification of Candidate Genes for Head Blight and Deoxynivalenol Resistance</i> Fiona Doohan, University College Dublin, Dublin, Ireland <i>An Overview of Wheat Transformation at Kansas State University</i> Harold Trick, Kansas State University, Manhattan, KS, USA <i>Ethylene-Signaling in Wheat is Essential for Type I and II Resistance to Fusarium graminearum and Tolerance to Deoxynivalenol</i> Megan Gillespie, Purdue University, West Lafayette, IN, USA
11:00 am-12:15 pm	PBG and GDER Poster Session (Authors with posters in this poster session should be at their posters from 11:15 am-12:00 pm) <i>Location: Regency Ballroom A/B</i>
12:15-1:30 pm	LUNCH <i>Location: Regency Ballroom E/F</i>
1:30-2:30 pm	FOCUSED GROUP DISCUSSIONS ❖ FHB Management (MGMT) <i>Location: Sterling 9</i> Facilitator: Christina Cowger ❖ Food Safety, Toxicology & Utilization of Mycotoxin-contaminated Grain (FSTU) <i>Location: Sterling 4</i> Facilitator: Paul Schwarz

Monday, December 5th *(cont.)*

1:30-2:30 pm	FOCUSED GROUP DISCUSSIONS <i>(cont.)</i> <ul style="list-style-type: none"> ❖ Gene Discovery & Engineering Resistance (GDER) <i>Location: Mills 6 (fourth floor – directly above Forum Office)</i> Facilitator: Steve Scofield ❖ Pathogen Biology & Genetics (PBG) <i>Location: Sterling 2</i> Facilitator: Frances Trail ❖ Variety Development and Host Resistance (VDHR) – Northern Soft Winter Wheat (NWW) <i>Location: Regency C/D</i> Facilitator: Clay Sneller ❖ VDHR – Southern Soft Red Winter Wheat (SWW) <i>Location: Regency C/D</i> Facilitator: Jose Costa ❖ VDHR – Spring Wheat Coordinated Project (SPR) <i>Location: Mills 1 (fourth floor – directly above Sterling 1)</i> Facilitator: Karl Glover
2:30-4:00 pm	FOCUSED GROUP DISCUSSIONS – Research Areas and VDHR-Spring Wheat will continue their group discussions along with the following: <ul style="list-style-type: none"> ❖ Barley Coordinated Project (BAR-CP) <i>Location: Sterling 7</i> Facilitator: Kevin Smith ❖ Durum Coordinated Project (DUR-CP) <i>Location: Sterling 8</i> Facilitators: Brad Miller and Steven Xu ❖ Hard Winter Wheat Coordinated Project (HWW-CP) <i>Location: Sterling 3</i> Facilitator: Bill Berzonsky ❖ VDHR –Soft Winter Wheat Coordinated Projects Joint Meeting <i>Location: Regency C/D</i> Facilitators: Clay Sneller and Jose Costa
4:00-4:15 pm	BREAK <i>Location: Regency Ballroom Foyer</i>
4:15-6:00 pm	MGMT, FSTU and Other Papers Poster Session (Authors with posters in this poster session should be at their posters from 4:30-5:15 pm) <i>Location: Regency Ballroom A/B</i>

Monday, December 5th *(cont.)*

5:00-6:00 pm	RECEPTION <i>Location: Inside Regency Ballroom A and Regency Ballroom Foyer</i>
6:00 pm	Session Adjourns <i>Participants are on their own for dinner</i>
7:30-9:00 pm	Evening Breakout Meeting ❖ Biological Control: Development and Uniform Trials <i>Location: Sterling 9</i>

Tuesday, December 6th

6:30-8:15 am	BREAKFAST – Full Breakfast Buffet <i>Location: Red Kitchen, Hotel Lobby</i>
8:30-9:30 am	SESSION 4: FOOD SAFETY, TOXICOLOGY AND UTILIZATION OF MYCOTOXIN-CONTAMINATED GRAIN CHAIRPERSON: David Kendra, PepsiCo - Quaker Oats, Barrington, IL <i>Location: Regency Ballroom C/D</i> <i>The Economics of Mycotoxin Contamination to the Milling Industry and Consumers</i> Don Sullins, ADM Milling Company, Overland Park, KS, USA <i>A New Understanding of DON's Mechanisms of Action</i> Jim Pestka, Michigan State University, East Lansing, MI, USA
9:30-10:00 am	SESSION 5: FHB MANAGEMENT CO-CHAIRPERSONS: Larry Madden, Ohio State University and Stephen Wegulo, University of Nebraska <i>Location: Regency Ballroom C/D</i> <i>Management of Mycotoxins in Grain: The Ontario Experience</i> Art Schaafsma, University of Guelph, Ridgetown, Ontario, Canada
10:00-10:25 am	BREAK <i>Location: Regency Ballroom Foyer</i>
10:25-11:55 am	SESSION 5: FHB MANAGEMENT (cont.) <i>Location: Regency Ballroom C/D</i> <i>A Time Course of Scab in Developing Field-Grown Wheat Spikes</i> Christina Cowger, USDA-ARS, Raleigh, NC, USA <i>Barley Scab: Forecasting to Management</i> Pravin Gautam, South Dakota State University, Brookings, SD, USA

Tuesday, December 6th (cont.)

10:25-11:55 am	SESSION 5: FHB MANAGEMENT (cont.) <i>Location: Regency Ballroom C/D</i> <i>Assessing the Best Fungicide Application Timing for Fusarium Head Blight and Mycotoxin Management</i> Carl Bradley, University of Illinois, Urbana, IL, 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

POST FORUM MEETINGS

1:00-4:30 pm	USWBSI Steering Committee (SC) Meeting (Closed meeting - SC members only) <i>Location: Regency E/F</i>
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Wednesday, December 7th

8:00 am-5:00 pm	National Wheat Improvement Committee (NWIC) Meeting <i>Location: Regency A</i> <i>Contact: Brett Carver, Oklahoma State University</i>
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