

# FORUM PROGRAM



**2010 National Fusarium Head Blight Forum**  
**Hyatt Regency Milwaukee**  
**Milwaukee, Wisconsin, USA**  
**December 7-9, 2010**





U.S. Wheat & Barley  
Scab Initiative

## **Welcome to the 2010 National Fusarium Head Blight Forum!**

### **Forum Packet**

The following items are included in the Forum packet:

- ✓ Forum Program;
- ✓ Name Badge (Serves as ticket for meals, receptions and refreshment breaks; please wear at all times);
- ✓ List of Forum Participants;
- ✓ List of submitted posters sorted by research session and poster number.
- ✓ List of submitted posters sorted by corresponding author and proceeding page number;
- ✓ Poster Room Layout
- ✓ Announcement for 2011 National FHB Forum; and
- ✓ Suggestion Form

### **Meals & Refreshment Breaks**

The following meals are covered by the registration fee:

- ❖ Tuesday, 12/7:
  - PM Refreshment Break
  - Reception: beer, wine and non-alcoholic beverages are complimentary; cash bar for mixed drinks
  - Dinner - 6:30-8:00 pm
- ❖ Wednesday, 12/8:
  - Breakfast (full buffet) – runs from 6:30 to 8:15 am
  - Lunch – 12:15-1:30 pm
  - AM and PM Refreshment Breaks
  - Reception: Assorted Hors d'oeuvres, complimentary beer, wine and non-alcoholic beverages; cash bar for mixed drinks
- ❖ Thursday, 12/9:
  - Breakfast (full buffet) – runs from 6:30 to 8:15 am
  - AM Refreshment Break

## Proceedings

You should have received a copy of the proceedings when you checked in at the registration desk. If you did not receive a copy, please contact a staff member. Additional copies may be purchased for \$18.00.

## Posters

Authors may set up their posters in Regency Ballrooms A/B from 9:00 am – 12:45 pm on Tuesday, December 7<sup>th</sup>. Posters must be setup prior to poster session. Although there are designated poster sessions (see below), poster should remain up throughout the duration of the Forum.

### Poster Sessions

GDER & PBG

### Time

Tuesday, Dec. 7<sup>th</sup>, 4:30-6:00 pm

Authors should be at their posters 4:45-5:30 pm

MGMT, FSTU & Other Papers

Wednesday, Dec. 8<sup>th</sup>, 10:30 am.-12:00 pm

Authors should be at their posters 10:45-11:30 am

VDHR & Other Papers

Wednesday, Dec. 8<sup>th</sup>, 4:15-6:00 pm

Authors should be at their posters 4:30-5:15 pm

## Hotel Amenities/Info

- Check-in: 3:00 PM; Check-out: 12:00 pm
- High Speed Internet access in guest rooms - \$9.95/day
- Business Center/WiFi in public areas
- Covered Parking
- 24 hour Fitness Center
- ATM
- Onsite Restaurants: Bistro 333 Restaurant & Bar; Sarah's Pantry
- Hotel's address: 333 W. Kilbourn Avenue, Milwaukee, WI 53203

## Important Phone Numbers

Forum Office: (517) 290-5023

Hyatt Regency Milwaukee: (414) 276-1234

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



# PROGRAM

## 2010 National Fusarium Head Blight Forum\*

Hyatt Regency Milwaukee  
Milwaukee, Wisconsin USA  
December 7-9, 2010

---

### FORUM Begins

**Tuesday, December 7<sup>th</sup>**

8:30 am-5:00 pm	REGISTRATION <i>Location: Regency Ballroom Prefunction –outside of Regency D</i>
9:00 am-12:45 pm	Authors set up posters <i>Location: Regency Ballroom A/B</i>
1:00-1:35 pm	<b>Welcome and Keynote Speaker</b> <i>Location: Regency Ballroom C/D</i>  <b>Welcome</b> Dave Van Sanford, University of Kentucky, Lexington, KY, USA Co-Chair, U.S. Wheat & Barley Scab Initiative  <i>Industry Needs for Early Warning and Integrated Management Systems for Harmful Mycotoxins</i> Deirdre Ortiz, Kellogg Company, Battle Creek, MI, USA
1:35-3:00 pm	<b>SESSION 1: GENE DISCOVERY AND ENGINEERING RESISTANCE</b> <b>CO-CHAIRPERSONS:</b> Steve Scofield, USDA-ARS, West Lafayette, IN and Jyoti Shah, University of North Texas <i>Location: Regency Ballroom C/D</i>  <i>Mass Spectrometry Based Metabolomics to Decipher Mechanisms of Resistance in Triticeae against Fusarium</i> Ajjamada Kushalappa, McGill University, Montreal, QB, Canada

---

\* All speaker sessions will be held in Regency Ballroom C/D. All poster presentations will be held in Regency Ballroom A/B.  
Forum Office is located in Solomon Juneau.

**Tuesday, December 7<sup>th</sup>** (cont.)

1:35-3:00 pm	<p><b>SESSION 1: GENE DISCOVERY AND ENGINEERING RESISTANCE</b> (cont.)</p> <p><b>CO-CHAIRPERSONS:</b> Steve Scofield, USDA-ARS, West Lafayette, IN and Jyoti Shah, University of North Texas</p> <p><i>Location: Regency Ballroom C/D</i></p> <p><i>Paving the Way for Biotech Wheat</i> Jane DeMarchi, National Association of Wheat Growers, Washington, DC, USA</p> <p><i>Activation Tag Screening to Identify Novel Genes for Trichothecene Resistance</i> John McLaughlin, Rutgers University, Brunswick, NJ, USA</p>
3:00-3:20 pm	<p>BREAK</p> <p><i>Location: Regency Ballroom Foyer</i></p>
3:20-4:30 pm	<p><b>SESSION 2: PATHOGEN BIOLOGY AND GENETICS</b></p> <p><b>CHAIRPERSON:</b> David G. Schmale, Virginia Polytechnic and State University</p> <p><i>Location: Regency Ballroom C/D</i></p> <p><i>Genetic Basis for the 3-ADON and 15-ADON Trichothecene Chemotypes in Fusarium</i> Nancy Alexander, USDA-ARS-NCAUR, Peoria, IL, USA</p> <p><i>Tracking Released Clones of Gibberella zeae within Wheat and Barley Fields</i> Melissa Keller, Department of Plant Pathology, Physiology, and Weed Science, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA</p> <p><i>Infection Structures and Mycotoxin Induction of Fusarium graminearum on Wheat Florets</i> Marika Boenisch, Molecular Phytopathology and Genetics, Biocenter Klein Flottbek, University of Hamburg, Germany</p>
4:30-6:00 pm	<p><b>GDER and PBG Poster Session</b> (Authors with posters in this poster session should be at their posters from 4:45-5:30 p.m.)</p> <p><i>Location: Regency Ballroom A/B</i></p>
5:30-6:30 pm	<p>RECEPTION</p> <p><i>Location: Inside Regency Ballroom A and Regency Ballroom Foyer</i></p>

**Tuesday, December 7<sup>th</sup>** (*cont.*)

<b>6:30-8:00 pm</b>	<b>DINNER</b> <i>Location: Regency Ballroom C/D</i>
<b>8:00-10:00 pm</b>	<b>Evening Breakout Meetings</b>  ❖ <b>Update on UG 99 Nursery</b> <i>Location: Executive A/B/C</i>

**Wednesday, December 8<sup>th</sup>**

6:30-8:15 am	<b>BREAKFAST – Full Breakfast Buffet</b> <i>Location: Atrium</i>
8:00 am-4:30 pm	<b>REGISTRATION</b> <i>Location: Regency Ballroom Prefunction –outside of Regency D</i>
<b>8:30-9:30 am</b>	<b>SESSION 3: FHB MANAGEMENT</b> <b>CO-CHAIRPERSONS:</b> Pierce Paul, Ohio State University and Marcia McMullen, North Dakota State University <i>Location: Regency Ballroom C/D</i>  <i>Implications of FHB Multi-Species Complex on Disease Development and Mycotoxin</i> Xiangming Xu, EMR East Malling Research Association, Kent, UK  <i>Data Mining of Weather and Climatic Data to Improve Risk Prediction of Fusarium Head Blight</i> Larry Madden, Ohio State University, Wooster, OH, USA
9:30 am	<b>BREAK</b> <i>Location: Regency Ballroom Foyer</i>
<b>9:45-10:30 am</b>	<b>SESSION 3: FHB MANAGEMENT (cont.)</b> <b>CO-CHAIRPERSONS:</b> Pierce Paul, Ohio State University and Marcia McMullen, North Dakota State University <i>Location: Regency Ballroom C/D</i>  <i>Determinants of Adoption of Scab Management Techniques</i> Greg McKee, North Dakota State University, Fargo, ND, USA  <i>Advances in the Development and Application of Prediction Models for FHB and DON</i> Erick DeWolf, Kansas State University, Manhattan, KS, USA
<b>10:30 am-12:00 pm</b>	<b>MGMT, FSTU and Other Papers Poster Session</b> (Authors with posters in this poster session should be at their posters from 10:45-11:30 a.m.) <i>Location: Regency Ballroom A/B</i>

**Wednesday, December 8<sup>th</sup>** *(cont.)*

12:00-1:15 pm	LUNCH <i>Location: Atrium</i>
1:15-2:30 pm	<p><b>FOCUSED GROUP DISCUSSIONS</b></p> <ul style="list-style-type: none"> <li>❖ <b>FHB Management (MGMT)</b> <i>Location: Executive C/D</i> <b>Facilitator:</b> Christina Cowger</li>   <li>❖ <b>Food Safety, Toxicology &amp; Utilization of Mycotoxin-contaminated Grain (FSTU)</b> <i>Location: Crystal Room</i> <b>Facilitator:</b> Paul Schwarz</li>   <li>❖ <b>Gene Discovery &amp; Engineering Resistance (GDER)</b> <i>Location: Lakeshore B/C</i> <b>Facilitator:</b> Steve Scofield</li>   <li>❖ <b>Pathogen Biology &amp; Genetics (PBG)</b> <i>Location: Lakeshore A</i> <b>Facilitator:</b> Frances Trail</li>   <li>❖ <b>Variety Development and Host Resistance (VDHR) – Uniform Scab Nurseries</b> <i>Location: Regency C/D</i> <b>Facilitator:</b> Paul Murphy</li> </ul>
2:30-4:00 pm	<p><b>FOCUSED GROUP DISCUSSIONS – MGMT, FSTU, GDER and PBG will continue their group discussions along with the following:</b></p> <ul style="list-style-type: none"> <li>❖ <b>Barley Coordinated Project</b> <i>Location: Milwaukee A</i> <b>Facilitator:</b> Kevin Smith</li>   <li>❖ <b>Durum Coordinated Project</b> <i>Location: Pere Marquette</i> <b>Facilitators:</b> Brad Miller and Steven Xu</li>   <li>❖ <b>Hard Winter Wheat Coordinated Project</b> <i>Location: Milwaukee B</i> <b>Facilitator:</b> Bill Berzonsky</li>   <li>❖ <b>VDHR – Spring Wheat Coordinated Project</b> <i>Location: Executive A/B</i> <b>Facilitator:</b> Karl Glover</li> </ul>



**Wednesday, December 8<sup>th</sup>** (*cont.*)

2:30-4:00 pm	<b>FOCUSED GROUP DISCUSSIONS</b> ( <i>cont.</i> ) <ul style="list-style-type: none"> <li>❖ <b>VDHR – Northern Soft Winter Wheat Coordinated Project</b> <i>Location: Regency C</i> <b>Facilitator:</b> Clay Sneller</li> <li>❖ <b>VDHR – Southern Soft Winter Wheat Coordinated Project</b> <i>Location: Regency D</i> <b>Facilitator:</b> Jose Costa</li> </ul>
4:00-4:15 pm	<b>BREAK</b> <i>Location: Regency Ballroom Foyer</i>
4:15-6:00 pm	<b>VDHR and Other Papers Poster Session</b> (Authors with posters in this poster session should be at their posters from 4:30-5:15 p.m.) <i>Location: Regency Ballroom A/B</i>
4:45-6:00 pm	<b>RECEPTION</b> <i>Location: Inside Regency Ballroom A and Regency Ballroom Foyer</i>
6:00 pm	<b>Session Adjourns</b> <i>Participants are on their own for dinner.</i>

**Thursday, December 9<sup>th</sup>**

6:30-8:15 am	<b>BREAKFAST – Full Breakfast Buffet</b> <i>Location: Atrium</i>
8:30-9:30 am	<b>SESSION 4: FOOD SAFETY, TOXICOLOGY AND UTILIZATION OF MYCOTOXIN-CONTAMINATED GRAIN</b> <b>CHAIRPERSON:</b> David Kendra, PepsiCo - Quaker Oats, Barrington, IL <i>Location: Regency Ballroom C/D</i>  <b>Vomitoxin: FDA's Regulatory Program</b> Kathleen D'Ovidio and Henry Kim, Center for Food Safety and Applied Nutrition, U.S. Food and Drug Administration, College Park, MD, USA  <b>Stability of the Trichothecene, Deoxynivalenol in Processed Foods and Wheat Flake Cereal</b> Ken Voss, USDA-ARS, Athens, GA, USA

**Thursday, December 9<sup>th</sup>** *(cont.)*

9:30-10:00 am	<p><b>SESSION 5: VARIETY DEVELOPMENT AND HOST PLANT RESISTANCE</b></p> <p><b>CO-CHAIRPERSONS:</b> Bill Berzonsky, South Dakota State University and Jose Costa, University of Maryland</p> <p><i>Location: Regency Ballroom C/D</i></p> <p><i>Current Knowledge on the Genetics of Fusarium Head Blight Resistance in Wheat-Implications for Resistance Breeding</i> Hermann Burstmayr, University of Natural Resources and Life Sciences, Tulln, AUSTRIA</p>
10:00-10:25 am	<p>BREAK</p> <p><i>Location: Regency Ballroom Foyer</i></p>
10:25-11:55 am	<p><b>SESSION 5: VARIETY DEVELOPMENT AND HOST PLANT RESISTANCE</b> <i>(cont.)</i></p> <p><b>CO-CHAIRPERSONS:</b> Bill Berzonsky, South Dakota State University and Jose Costa, University of Maryland</p> <p><i>Location: Regency Ballroom C/D</i></p> <p><i>A Novel FHB-Resistance QTL with Uncertain Origin and its Introgression into Durum and Hard Red Spring Wheat</i> Steven Xu, USDA-ARS, Fargo, ND, USA</p> <p><i>Genomic Selection for Fusarium Head Blight Resistance in Wheat</i> Mark Sorrells, Cornell University, Ithaca, NY, USA</p> <p><b>Topic:</b> Ug99 Nursery Update David Marshall, USDA-ARS, Raleigh, NC, USA Jim Anderson, University of Minnesota, St. Paul, MN, USA</p>
11:55 am	<p><b>TAKING CARE OF BUSINESS AND CLOSING REMARKS</b></p>
12:00 pm	<p><b>FORUM ADJOURNS</b></p>

**POST FORUM MEETINGS**

1:00-4:30 pm	<p>USWBSI Steering Committee (SC) Meeting (Closed meeting - SC members only)</p> <p><i>Location: Executive B/C/D</i></p>
--------------	--



**Organized by:**



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