

# **FORUM PROGRAM**



**2013 National Fusarium Head Blight Forum**  
**Hyatt Regency Milwaukee**  
**Milwaukee, Wisconsin, USA**  
**December 3-5, 2013**





U.S. Wheat & Barley  
Scab Initiative

# Welcome to the 2013 National Fusarium Head Blight Forum!



U.S. Wheat & Barley  
Scab Initiative

## 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);
- ✓ Forum Proceedings - Table of Contents;
- ✓ List of Forum Participants;
- ✓ List of Flash & Dash Presentations by Session;
- ✓ List of submitted posters sorted by poster session and poster number;
- ✓ List of submitted posters sorted by corresponding author and proceeding page number;
- ✓ Layout of Poster Room;
- ✓ Layout of Meeting Space;
- ✓ Announcement for 2014 National FHB Forum; and
- ✓ Suggestion Form

## Meals & Refreshment Breaks

The following meals are covered by the registration fee:

- ❖ Tuesday, 12/3:
  - PM Refreshment Break
  - Reception: Complimentary beer, wine and non-alcoholic beverages; cash bar for well drinks
  - Dinner - 6:30-8:00 pm
- ❖ Wednesday, 12/4:
  - Breakfast – 6:30-8:15 am
  - Lunch – 12:00-1:00 pm
  - AM and PM Refreshment Breaks
  - Reception: Complimentary beer, wine and non-alcoholic beverages; cash bar for mixed drinks
- ❖ Thursday, 12/5:
  - Breakfast – 6:30-8:15 am
  - AM Refreshment Break

## Flash & Dash Presentations

The two sessions for the Flash & Dash (F&D) presentations will be held in the Regency Ballroom C/D.

### Sessions

- 1 – Associated with Even  
Numbered Posters
- 2 – Associated with Odd  
Numbered Posters

### Time

Tuesday, Dec. 3<sup>rd</sup>, 3:35-4:30 pm

Wednesday, Dec. 4<sup>th</sup>, 3:40-4:30 pm

## Poster Sessions

Authors may set up their posters in Regency Ballroom A/B from 9:30 am – 12:45 pm on Tuesday, December 3<sup>rd</sup>. Posters must be setup prior to poster session. Although there are designated poster sessions (see below), posters should remain up throughout the duration of the Forum.

### Sessions

Even Numbered Posters

Odd Numbered Posters

### Time

Tuesday, Dec. 3<sup>rd</sup>, 4:30-6:00 pm

Authors should be at their posters 5:00-5:45 pm

Wednesday, Dec. 4<sup>th</sup>, 4:30-6:10 pm

Authors should be at their posters 5:00-5:45 pm

## Hotel Amenities/Info

- Check-in: 3:00 PM; Check-out: 12:00 PM
- Free High Speed Internet access in rooms for Forum Participants
- On-site 24 hour Fitness Center, YogaAway™, Nearby Jogging Paths
- Onsite Restaurants: Bistro 333 Restaurant & Bar; Sarah's Pantry
- Sky Walk attached to Grand Avenue Mall: Boston Store, TJ Maxx, Walgreens, etc.; also has a food court.
- Business Center
- Hotel Address: 333 W. Kilbourn Avenue, Milwaukee, WI 53203

## Important Phone Numbers

Forum Office – 517-290-5023

Hyatt Regency Milwaukee – PH: 414-276-1234; Fax: 414-270-6120

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



# PROGRAM\*

**2013 National Fusarium Head Blight Forum**  
**Hyatt Regency Milwaukee**  
**Milwaukee, Wisconsin USA**  
**December 3-5, 2013**

---

## FORUM Begins

### Tuesday, December 3<sup>th</sup>

8:30 am-5:00 pm	REGISTRATION <i>Location: Regency Ballroom Prefunction –outside of Regency D</i>
9:30 am-12:45 pm	Authors set up posters <i>Location: Regency Ballroom A/B</i>
1:00-1:35 pm	<b>OPENING SESSION</b> <i>Location: Regency Ballroom C/D</i>  <b>Welcome</b> Dave Van Sanford, University of Kentucky, Lexington, Kentucky, USA, Co-Chair, U.S. Wheat & Barley Scab Initiative  <b>Plenary Talk</b> <i>Local Grain and Malt: A Renaissance Being Negatively Impacted by DON</i> Andrea Stanley, Valley Malt, Hadley, Massachusetts, USA

---

\* Speaker Sessions - Regency Ballroom C/D  
Flash & Dash Sessions - Regency Ballroom C/D  
Poster Sessions - Regency Ballroom A/B  
Forum Office - Solomon Juneau

**Tuesday, December 3<sup>th</sup>** (cont.)

1:35-3:15 pm	<p><b>SPEAKER SESSION 1: VARIETY DEVELOPMENT AND HOST PLANT RESISTANCE (VD-HPR)</b>  <b>CO-CHAIRPERSONS:</b> Robert Brueggeman and Jose Gonzalez  <i>Location: Regency Ballroom C/D</i></p> <p><i>Breeding Malting Barley for the West: What about Fusarium?</i>  Bob Brunick, MillerCoors, Burley, ID, USA</p> <p><i>Fusarium Head Blight in South America- An Argentinian Perspective of Breeding for Resistance and Future Prospects</i>  Virginia Verges, DONMARIO SEMILLAS, Chacabuco, Provincia De Buenos Aires, ARGENTINA</p> <p><i>Lifelong Learning: What We have Learned Breeding for Scab Tolerance</i>  P. Stephen Baenziger, University of Nebraska, Lincoln, Nebraska, USA</p> <p><i>University/Industry Collaborations: Potential Ways to Work Together to Further Scab Resistance Research</i>  William Berzonsky, Bayer CropScience, Lincoln, Nebraska, USA</p>
3:15-3:35 pm	<p><b>BREAK</b>  <i>Location: Regency Ballroom Foyer</i></p>
3:35-4:30 pm	<p><b>FLASH &amp; DASH SESSION 1: Mini Oral Presentations associated with Even Numbered Posters</b>  <b>SESSION CHAIR:</b> Gary Muehlbauer  <i>Location: Regency Ballroom C/D</i></p>
3:35-4:30 pm	<p><b>WORKSHOP ON BREEDERS DATABASE: Tutorial for USWBSI PIs/ Breeders only</b>  <b>Facilitators:</b> Victoria Carollo Blake, USDA-ARS, Albany, CA and Dave Matthews, USDA-ARS, Ithaca, NY  <i>Location: Milwaukee</i></p>
4:30-6:00 pm	<p><b>POSTER SESSION 1: Even Numbered Posters (Authors with posters in this poster session should be at their posters from 5:00-5:45 pm)</b>  <i>Location: Regency Ballroom A/B</i></p>
5:30-6:30 pm	<p><b>RECEPTION</b>  <i>Location: Inside Regency Ballroom A and Regency Ballroom Foyer</i></p>
6:30-8:00 pm	<p><b>DINNER</b>  <i>Location: Regency Ballroom C/D</i></p>

## Wednesday, December 4<sup>th</sup>

6:30-8:15 am	<b>BREAKFAST – Full Breakfast Buffet (Flow)</b> <i>Location: Atrium</i>
8:00 am-4:30 pm	<b>REGISTRATION</b> <i>Location: Forum Office – Solomon Juneau</i>
<b>8:30-10:00 am</b>	<b>FOCUSED GROUP DISCUSSIONS</b> <ul style="list-style-type: none"> <li>❖ <b>FHB Management (MGMT)</b>  <i>Location: Executive C/D</i>  <b>Facilitator:</b> Erick DeWolf</li> <li>❖ <b>Food Safety, Toxicology &amp; Utilization of Mycotoxin-contaminated Grain (FSTU)</b>  <i>Location: Pere Marquette</i>  <b>Facilitator:</b> Paul Schwarz</li> <li>❖ <b>Gene Discovery &amp; Engineering Resistance (GDER)</b>  <i>Location: Lakeshore C</i>  <b>Facilitator:</b> Gary Muehlbauer</li> <li>❖ <b>Pathogen Biology &amp; Genetics (PBG)</b>  <i>Location: Lakeshore B</i>  <b>Facilitator:</b> David Schmale</li> <li>❖ <b>Variety Development and Host Resistance (VDHR)</b>  <i>Location: Regency C/D</i>  <b>Facilitator:</b> Dave Van Sanford</li> </ul>
10:00-10:30 am	<b>BREAK</b> <i>Location: Regency Ballroom Foyer</i>
<b>10:30-11:00 am</b>	<b>FHB RATINGS FOR SOFT RED WINTER WHEAT:</b> All Breeders and Pathologists working in the Soft Red Winter Wheat region should attend. <b>Facilitator:</b> Gene Milus <i>Location: Regency C/D</i>
<b>10:30 am-12:00 pm</b>	<b>FOCUSED GROUP DISCUSSIONS – Research Areas will continue their group discussions along with the following:</b> <ul style="list-style-type: none"> <li>❖ <b>Barley Coordinated Project (BAR-CP)</b>  <i>Location: Milwaukee A</i>  <b>Facilitator:</b> Robert Brueggeman</li> <li>❖ <b>Durum Coordinated Project (DUR-CP)</b>  <i>Location: Crystal Room</i>  <b>Facilitators:</b> Steven Xu</li> </ul>

## Wednesday, December 4<sup>th</sup>

10:30 am-12:00 pm	<p><b>FOCUSED GROUP DISCUSSIONS</b> (<i>cont.</i>)</p> <ul style="list-style-type: none"> <li>❖ <b>Hard Winter Wheat Coordinated Project (HWW-CP)</b> <i>Location: Milwaukee B</i> <b>Facilitator:</b> Bill Berzonsky</li> <li>❖ <b>VDHR – Spring Wheat Coordinated Project (SPR)</b> <i>Location: Executive A/B</i> <b>Facilitator:</b> Jochum Wiersma</li> <li>❖ <b>Variety Development and Host Resistance (VDHR) – Northern Soft Winter Wheat (NWW)</b> <i>Location: Regency C/D</i> <b>Facilitator:</b> Clay Sneller</li> <li>❖ <b>VDHR – Southern Soft Red Winter Wheat (SWW)</b> <i>Location: Lakeshore A</i> <b>Facilitator:</b> Paul Murphy</li> </ul>
11:15 am-12:00 pm	<p><b>FOCUSED GROUP DISCUSSIONS</b> (<i>cont.</i>)</p> <ul style="list-style-type: none"> <li>❖ <b>GDER and PBG Joint Meeting (11:15-12:00 am)</b> <i>Location: Lakeshore C</i> <b>Facilitators:</b> Gary Muehlbauer and David Schmale</li> </ul>
12:00-1:00 pm	<p><b>LUNCH</b> <i>Location: Atrium</i></p>
1:00-2:00 pm	<p><b>SPEAKER SESSION 2: PATHOGEN BIOLOGY AND GENETICS</b> <b>CHAIRPERSON:</b> John Leslie <i>Location: Regency Ballroom C/D</i></p> <p><b><i>11,000 Phenotypes for Fusarium graminearum</i></b> Yin-Won Lee, Center for Fungal Pathogenesis, Seoul National University, Seoul, KOREA</p> <p><b><i>Saying Good-Bye to Gibberella zeae</i></b> John Leslie, Kansas State University, Manhattan, KS, USA</p>
2:00-3:15 pm	<p><b>SPEAKER SESSION 3: GENE DISCOVERY AND ENGINEERING RESISTANCE</b> <b>CHAIRPERSON:</b> Jai Rohila <i>Location: Regency Ballroom C/D</i></p> <p><b><i>UDP-glucosyltransferases: Resistance to Fusarium Mycotoxins and Formation of Masked Mycotoxins</i></b> Gerhard Adam, University of Natural Resources and Life Sciences, Vienna, AUSTRIA</p>



**Wednesday, December 4<sup>th</sup>** *(cont.)*

2:00-3:15 pm	<p><b>SPEAKER SESSION 3: GENE DISCOVERY AND ENGINEERING RESISTANCE</b> <i>(cont.)</i></p> <p><i>Location: Regency Ballroom C/D</i></p> <p><b><i>DON Induces Genes that Increase Wheat Susceptibility to Fusarium Head Blight in Wheat</i></b> Thérèse Ouellet, Agriculture and Agri-Food Canada, Ottawa, Ontario, CANADA</p> <p><b><i>Targeting Host Defense and Susceptibility Mechanisms for Engineering FHB Resistance</i></b> Jyoti Shah, University of North Texas, Denton, Texas, USA</p> <p><b><i>Functional Evidence of a Critical Role for Ethylene-Signaling in Basal Resistance to Fusarium Head Blight</i></b> Steve Scofield, USDA-ARS, West Lafayette, Indiana, USA</p>
3:15-3:40 pm	<p><b>BREAK</b></p> <p><i>Location: Regency Ballroom Foyer</i></p>
3:40-4:30 pm	<p><b>FLASH &amp; DASH SESSION 2:</b> Mini Oral Presentations associated with Odd Numbered Posters</p> <p><b>SESSION CHAIR:</b> David Schmale</p> <p><i>Location: Regency Ballroom C/D</i></p>
4:30-6:00 pm	<p><b>Poster Session 2: Odd Numbered Posters</b> (Authors with posters in this poster session should be at their posters from 5:00-5:45 pm)</p> <p><i>Location: Regency Ballroom A/B</i></p>
5:00-6:00 pm	<p><b>RECEPTION</b></p> <p><i>Location: Inside Regency Ballroom A and Regency Ballroom Foyer</i></p>
6:00 pm	<p><b>Session Adjourns</b></p> <p><i>Participants are on their own for dinner.</i></p>

**Thursday, December 5<sup>th</sup>**

6:30-8:15 am	<p><b>BREAKFAST</b> – Full Breakfast Buffet (Flow)</p> <p><i>Location: Atrium</i></p>
8:30-9:30 am	<p><b>SPEAKER SESSION 4: FOOD SAFETY AND TOXICOLOGY (FST)</b></p> <p><b>CHAIRPERSON:</b> Paul Schwarz</p> <p><i>Location: Regency Ballroom C/D</i></p> <p><b><i>How the Fusarium Toxin DON is Made and Delivered to Plants</i></b> Corby Kistler, USDA-ARS, St. Paul, Minnesota, USA</p>

## Thursday, December 5th (cont.)

9:30-10:15 am	<p><b>SESSION 5: FHB MANAGEMENT (MGMT)</b>  <b>CO-CHAIRPERSONS:</b> Christina Cowger and Stephen Wegulo  <i>Location: Regency Ballroom C/D</i></p> <p><i>Local Corn Debris Management: What Does It Contribute to Head Blight and Mycotoxin Reduction?</i>  Gary Bergstrom, Cornell University, Ithaca, New York, USA</p>
10:15-10:35 am	<p><b>BREAK</b>  <i>Location: Regency Ballroom Foyer</i></p>
10:35-11:50 am	<p><b>SESSION 5: FHB MANAGEMENT (MGMT) (cont.)</b>  <i>Location: Regency Ballroom C/D</i></p> <p><i>WIN Experience with DON Forecasting in Canada, Europe</i>  Ian Nichols, Weather INnovations, Chatham, Ontario, CANADA</p> <p><i>Implications of Rainfall at Anthesis for Scab Management with Fungicides</i>  Pierce Paul, Ohio State University, Wooster, Ohio, USA</p>
11:50 am	<p><b>CLOSING REMARKS</b>  <i>Location: Regency Ballroom C/D</i></p> <p>Art Brandli, USWBSI Co-Chair, Warroad, Minnesota, USA</p>
12:00 pm	<p><b>FORUM ADJOURNS</b></p>
<h2>POST FORUM MEETINGS</h2>	
1:00-4:30 pm	<p>USWBSI Steering Committee (SC) Meeting (Closed meeting - SC members only)  <i>Location: Lakeshore B/C/D (1st floor off of Lobby)</i></p>



**Organized by:**



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