



# PROGRAM

## 2018 National Fusarium Head Blight Forum\*

Hyatt Regency St. Louis at the Arch

St. Louis, Missouri, USA

December 2-4, 2018

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### Pre Forum Events

#### Sunday, December 2nd

8:30 am-5:00 pm	REGISTRATION <i>Location: Regency Ballroom Prefunction – between Regency B/C</i>
9:00 am-12:45 pm	Authors set up posters <i>Location: Regency Ballroom A/B</i>

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### FORUM Begins

1:00-1:45 pm	<b>Welcome and Opening Talk</b> <i>Location: Regency Ballroom C/D</i>
1:00-1:10	<b>Welcome</b> Ruth Dill-Macky, University of Minnesota, St. Paul, MN, USA Co-Chair, U.S. Wheat & Barley Scab Initiative
1:10-1:45	<b><i>Mycotoxin Control and Monitoring Program: All Hands on Deck</i></b> Anthony Adeuya, Food & Drug Administration, College Park, MD, USA

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\*General Sessions and Flash and Dash Sessions will be held in Regency C/D. All Poster Sessions will be held in Regency Ballroom A/B. Forum Office is located in Sterling 6.

**Sunday, December 2<sup>nd</sup>** (cont.)

<b>1:45-2:45 pm</b>	<b>GENERAL SESSION I - CHAIRPERSON:</b> Erick De Wolf <i>Location: Regency Ballroom C/D</i>
1:45-2:05	<b><i>A Quantitative Proteomics View on the Function of Qfhl1</i></b> Yang Yen, South Dakota State University, Brookings, SD, USA
2:05-2:45	<b><i>Effects of Head Morphology and Phenology on Fusarium Infection Processes and Implications for Disease Management in Barley</i></b> Robert Brueggeman, North Dakota State University, Fargo, ND, USA
<b>2:45-3:10 pm</b>	<b>REFRESHMENT BREAK</b> <i>Location: Regency Ballroom Foyer/Prefunction</i>
<b>3:15-4:15 pm</b>	<b>GENERAL SESSION I - CHAIRPERSON:</b> Tom Baldwin
3:15-3:55	<b><i>Harnessing Antiviral Defense Reactions to Defeat Fusarium Head Blight</i></b> Jörg Bormann, Institute for Cell Biology, University of Bremen, Bremen, GERMANY
3:55-4:15	<b><i>CRISPR/Cas9 Genome Editing Technology for FHB Resistance Improvement in Wheat</i></b> Hui Chen, Kansas State University, Manhattan, KS, USA
<b>4:15-4:55 pm</b>	<b>FLASH &amp; DASH SESSION 1:</b> Mini Oral Presentations associated with Even Numbered Posters <i>Location: Regency Ballroom C/D</i>
<b>5:00-6:30 pm</b>	<b>POSTER SESSION 1: Even Numbered Posters</b> (Authors with posters in this poster session should be at their posters from 5:15-6:05 pm) <i>Location: Regency Ballroom A/B</i>
<b>5:30-6:30 pm</b>	<b>RECEPTION</b> <i>Location: Inside Regency Ballroom A/B and Regency Ballroom Foyer</i>
<b>6:30-8:00 pm</b>	<b>DINNER</b> <i>Location: Regency Ballroom E/F</i>
<b>8:00-9:30 pm</b>	<b>EVENING BREAKOUT MEETING</b>  ❖ <b>Ug99 Stem Rust Breeding in Wheat and Barley Update</b> <i>Location: Grand B (4<sup>th</sup> Floor)</i> <b>Facilitator:</b> Jose Costa, USDA-ARS, Beltsville, MD

**Monday, December 3<sup>rd</sup>**

6:30-8:10 am	<b>BREAKFAST – Full Breakfast Buffet</b> <i>Location: Red Kitchen, Restaurant off of Hotel Lobby</i>
7:45 am-12:00 pm	<b>REGISTRATION</b> <i>Location: Regency Ballroom Prefunction – between Regency B/C</i>

**BREAKOUT MEETINGS****8:00 am–11:55 pm and 1:00–2:00 pm***All Participants are welcome to attend any breakout except the USWBSI*

**NOTE:** There is one meeting room (Sterling 3) designated for networking activities/'impromptu' meetings. Refer to the 'Welcome' in the Forum packet for designated times Sterling 3 is available. Sign-up is not required; availability is on a 'first come basis.'

<b>8:10-9:30 am</b>	<b>VARIETY DEVELOPMENT AND HOST RESISTANCE (VDHR) AND FHB MANAGEMENT (MGMT) - Joint session for breeders and pathologists; <u>stakeholders are encouraged to attend!</u> Group will first meet in Regency C/D for approximately 20 minutes and then break into their separate grain classes as indicated down below starting with 'Hard Winter Wheat.'</b>
8:10-8:35	❖ <b>VDHR-MGMT JOINT SESSIONS – All Breeders and Pathologists meet as large group.</b> <i>Location: Regency C/D</i> <b>Facilitators:</b> Andrew Friskop and Pierce Paul
8:35-9:30	❖ <b>Hard Winter Wheat</b> <i>Location: Mills 3 (4<sup>th</sup> Floor)</i> <b>Facilitators:</b> Stephen Wegulo and Sunish Sehgal
8:35-9:30	❖ <b>Spring Wheat/Durum</b> <i>Location: Grand F (4<sup>th</sup> Floor)</i> <b>Facilitators:</b> Andrew Friskop and Jim Anderson
8:35-9:30	❖ <b>Barley</b> <i>Location: Sterling 1</i> <b>Facilitators:</b> Alyssa Collins and Kevin Smith
8:35-9:30	❖ <b>Soft Winter Wheat</b> <i>Location: Regency C/D</i> <b>Facilitators:</b> Pierce Paul and Steve Harrison

**Monday, December 3<sup>rd</sup> (cont.)**

<b>8:45-10:00 am</b>	<b>NUTS AND BOLTS: FHB METHODS</b> – This breakout is targeted for Graduate Students, Post Docs and Technicians, but anyone interested is welcome to attend. <i>Location:</i> Grand C (4 <sup>th</sup> Floor) <b>Facilitators:</b> Amber Hoffstetter and Jorge David Salgado
<b>9:15-10:00 am</b>	<b>GDER AND PBG BREAKOUT</b> <i>Location:</i> Grand B (4 <sup>th</sup> Floor) <b>Facilitators:</b> Steve Scofield and Corby Kistler
10:00-10:30 am	<b>REFRESHMENT BREAK</b> <i>Location:</i> Regency Ballroom Foyer/Prefunction
<b>10:30-11:55 pm</b>	<b>RESEARCH AREA BASED BREAKOUTS</b> <ul style="list-style-type: none"> <li>❖ <b>FHB Management (MGMT)</b>  <i>Location:</i> Grand F (4<sup>th</sup> Floor)  <b>Facilitator:</b> Paul Esker</li> <li>❖ <b>Food Safety &amp; Toxicology (FST)</b>  <i>Location:</i> Sterling 4  <b>Facilitator:</b> Dave Kendra</li> <li>❖ <b>Gene Discovery &amp; Engineering Resistance (GDER)</b>  <i>Location:</i> Grand B (4<sup>th</sup> Floor)  <b>Facilitator:</b> Steve Scofield</li> <li>❖ <b>Pathogen Biology &amp; Genetics (PBG)</b>  <i>Location:</i> Sterling 2  <b>Facilitator:</b> Corby Kistler</li> </ul>
<b>10:30-11:10</b>	<b>RESEARCH AREA BASED BREAKOUTS (cont.)</b> <ul style="list-style-type: none"> <li>❖ <b>Variety Development &amp; Host Resistance (VDHR)</b>  <i>Location:</i> Regency C/D  <b>Facilitator:</b> P. Stephen Baenziger</li> </ul>
<b>11:15-11:55</b>	<b>Joint Session of Northern and Southern Soft Winter Wheat Coordinated Projects</b> <i>Location:</i> Grand A (4 <sup>th</sup> Floor) <b>Facilitators:</b> Esten Mason and Eric Olson
12:00 pm - 12:55 pm	<b>LUNCH</b> <i>Location:</i> Regency Ballroom E/F

**Monday, December 3<sup>rd</sup> (cont.)**

<b>1:00-2:00 pm</b>	<b>COORDINATED PROJECT BASED BREAKOUTS</b>
	<ul style="list-style-type: none"> <li>❖ <b>Barley Coordinated Project (BAR-CP)</b> <i>Location: Grand A (4<sup>th</sup> Floor)</i> <b>Facilitator:</b> Brian Steffenson</li>   <li>❖ <b>Durum Coordinated Project (DUR-CP)</b> <i>Location: Sterling 4</i> <b>Facilitators:</b> Steven Xu</li>   <li>❖ <b>Hard Winter Wheat Coordinated Project (HWW-CP)</b> <i>Location: Mills 3 (4<sup>th</sup> Floor)</i> <b>Facilitator:</b> Jon Rich</li>   <li>❖ <b>Variety Development and Host Resistance – Spring Wheat Region Coordinated Project (VDHR-SPR CP)</b> <i>Location: Sterling 1</i> <b>Facilitator:</b> Mory Rugg</li>   <li>❖ <b>Variety Development and Host Resistance – Northern Soft Winter Wheat Coordinated Project (VDHR-NWW CP)</b> <i>Location: Sterling 3</i> <b>Facilitator:</b> Eric Olson</li>   <li>❖ <b>Variety Development and Host Resistance – Southern Soft Red Winter Wheat Coordinated Project (VDHR-SWW CP)</b> <i>Location: Sterling 5</i> <b>Facilitator:</b> Esten Mason</li> </ul>
<b>2:10-3:10 pm</b>	<b>GENERAL SESSION II - CHAIRPERSON:</b> John McLaughlin <i>Location: Regency Ballroom C/D</i>
2:05-2:30	<b><i>FHB Now Westward Bound, and New Struggles to Keep DON Down</i></b> Juliet Marshall, University of Idaho, Idaho Falls, ID, USA
2:30-3:10	<b><i>Whole Genome Sequences of Wheat Bring a New Era for Gene Discovery and Breeding</i></b> Sean Walkowiak, University of Saskatchewan, Saskatoon, SK, CANADA
<b>3:10-3:30 pm</b>	<b>REFRESHMENT BREAK</b> <i>Location: Regency Ballroom Foyer/Prefunction</i>

**Monday, December 3<sup>rd</sup> (cont.)**

<b>3:30-4:20 pm</b>	<b>GENERAL SESSION II - CHAIRPERSON:</b> Jochum Wiersma
3:30-3:50	<b><i>Going West – Establishing a Wheat Breeding Program in the US</i></b> Jana Murche, KWS Cereals USA, LLC., Champaign, IL, USA
3:50-4:20	<b><i>Panel Discussion with DON Lab Leaders</i></b> Facilitator: Dr. Dave Kendra Panel: Yanhong Dong, University of Minnesota; David Schmale, Virginia Tech.; Paul Schwarz and Senay Simsek, North Dakota State University
<b>4:20-4:55 pm</b>	<b>FLASH &amp; DASH SESSION 2:</b> Mini Oral Presentations associated with Odd Numbered Posters <i>Location: Regency Ballroom C/D</i>
<b>5:00-6:30 pm</b>	<b>Poster Session 2: Odd Numbered Posters</b> (Authors with posters in this poster session should be at their posters from 5:15-6:05 pm) <i>Location: Regency Ballroom A/B</i>
5:45-7:00 pm	<b>RECEPTION</b> <i>Location: Inside Regency Ballroom A/B and Regency Ballroom Foyer</i>
7:00 pm	<b>Session Adjourns</b> <i>Participants are on their own for dinner</i>

**Tuesday, December 4th**

6:30-8:15 am	<b>BREAKFAST – Full Breakfast Buffet</b> <i>Location: Red Kitchen, Restaurant off of Hotel Lobby</i>
<b>8:25-10:00 am</b>	<b>GENERAL SESSION III - CHAIRPERSON:</b> Christina Cowger <i>Location: Regency Ballroom C/D</i>
8:15-8:55	<b><i>Regional Perspective on the Management of FHB in the Mid-Atlantic</i></b> Alyssa Collins and Paul Esker, Pennsylvania State University, Manheim and University Park (respectively), PA, USA
8:55-9:20	<b><i>Breeding for FHB Resistance in North Dakota: More Questions than Answers</i></b> Andrew Green, North Dakota State University, Fargo, ND, USA
9:20-10:00	<b><i>Cropping Factors: The Key for Sustainable Mycotoxin Management in Small-grain Cereals</i></b> Susanne Vogelgsang, Agroscope, Zurich, SWITZERLAND

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

10:00-10:30 am	REFRESHMENT BREAK <i>Location: Regency Ballroom Foyer/Prefunction</i>
<b>10:35-11:55 am</b>	<b>GENERAL SESSION III - CHAIRPERSON:</b> Dave Van Sanford
10:35-10:55	<b><i>Integrating the Management of Fusarium Head Blight and Foliar Diseases through Fungicide use and Variety Selection to Develop Practical Strategies for Winter Wheat Growers</i></b> Martin Nagelkirk, Michigan State University-Extension, Sandusky, MI, USA
10:55-11:30	<b><i>Wheat Breeding for Southern Brazil, with Focus on Fusarium Head Blight Resistance</i></b> André C. Rosa, Biotrigo Genética Ltda., Passo Fundo, BRAZIL
11:30-11:55	<b><i>Fusarium graminearum Population-specific Differences during Wheat Infection</i></b> Martha Vaughn, USDA-ARS-NCAUR, Peoria, IL, USA
<b>11:55 am</b>	<b>TAKING CARE OF BUSINESS AND CLOSING REMARKS</b> <i>Location: Regency Ballroom C/D</i>  Doyle Lentz, Co-Chair, U.S. Wheat & Barley Scab Initiative Rolla, ND, USA
<b>12:00 pm</b>	<b>FORUM ADJOURNS</b>

**POST FORUM MEETINGS**

12:00-1:00 pm	USWBSI Steering Committee (SC) Lunch (SC members only) <i>Location: Regency F</i>
1:00-4:00 pm	USWBSI Steering Committee (SC) Meeting (Closed meeting - SC members only) <i>Location: Regency E</i>

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

8:00 am-4:30 pm	National Wheat Improvement Committee (NWIC) Meeting <i>Location: Regency B</i> <b>Chair:</b> Bob Zemetra, Oregon State University
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