

Hard Winter Wheat Workers Workshop  
March, 2010  
Preliminary Program

**Sunday, March 7<sup>th</sup> 4:00 pm to 7:00 pm: Registration**

**Monday, March 8**

**AM: Session I: Adventures in wheat breeding. Chair: Scott Haley, Colorado State University**

Dr. P. Stephen Baenziger (University of Nebraska, Lincoln) – The Ghosts of Wheat Breeding – Past, Present, and Future

Dr. Sid Perry (Westbred, Haven, KS) – 2010 – A Wheat Odyssey

Dr. Alexey Morgounov (CIMMYT-IWWIP, Turkey) – Search for broad adaptation and genetic diversity: experience of an international breeding program

**Session II: Wheat quality. Chair: Brad Seabourn, USDA-ARS**

Dr. Sarah Harmer (USDA/ARS) – Association analysis of HWW HWM/LMW subunits and their relationship to end-use functionality (tentative title)

Dr. Rangan Chinnaswamy (GIPSA) – A new method for evaluating dough strength: The Gluten Core Analyzer (tentative title)

**PM: Session III: Abiotic stresses. Chair: Brett Carver, Oklahoma State University**

Pat Byrne and Marc Moragues, (Colorado State University) water stress

Brian Arnall, (Oklahoma State University) nitrogen-use efficiency

Guihua Bai, (USDA-ARS) acid-soil and aluminum tolerance

**Session IV: Wheat Disease. Chair: Bill Bockus, Kansas State University**

Dr. Ming-Shun Chen, USDA-ARS, Manhattan, KS  
Exploring Plant Susceptibility Genes in Pest Management

Dr. Erick DeWolf, Dept. of Plant Pathology, Kansas State University,  
Integrating Genetic Resistance and Fungicides for Fusarium Head Blight Management

Dr. Justin Faris, USDA-ARS, Fargo, ND.  
Genetic Dissection of Wheat-Necrotrophic Fungus Interactions: Breeder  
Beware!

**Business meeting – Hard Winter Wheat Improvement Committee**

**Tuesday, March 9**

**AM: Session V: Viruses. Chair: Roy French, USDA-ARS**

Dr. Stephen N Wegulo, Dept of Plant Pathology, University of Nebraska,  
Status of wheat virus diseases in the Great Plains

Dr. Satyanarayana Tatineni USDA-ARS.  
Interactions between Triticum mosaic virus with Wheat streak mosaic  
virus and characterization of the TriMV genome.

Dr. Gary L. Hein, Director, Doctor of Plant Health Program, University of  
Nebraska.  
Biology, phylogenetics and distribution of wheat curl mite populations"

**Session VI: Rusts. Chair: Bob Bowden, USDA-ARS**

Mike Pumphrey, USDA-ARS, Manhattan, KS (soon to be Washington  
State University, Pullman, WA)  
Sources of stem rust resistance and potential for strategic deployment

Jim Kolmer, USDA-ARS, St. Paul, MN  
Virulence in Puccinia triticina and leaf rust resistance in hard red winter  
wheat.

Bob Bowden, USDA-ARS, Manhattan, KS  
Stripe rust resistance in hard winter wheat

**PM 7:00 banquet (Joint with Wheat Genomics Workshop)**

**Tuesday, March 9, - Wednesday, March 10, 2010 P.M. – Wheat genomics workshop**