

Kendra Meade

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Education

Ph.D. – Iowa State University, Ames, Iowa, USA (December 2012)
Major: Plant Breeding
Minors: Statistics and Genetics
Advisor: Dr. William Beavis
Project: Genetic dissection of canonical models of growth and development in maize kernels

B.S. – Purdue University, West Lafayette, Indiana, USA (August 2006)
Major: Plant Biology
Honors Project: Reverse genetic analysis of *Arabidopsis* ELMO genes

Professional Experience

- Postdoctoral Research Associate - Iowa State University, Laboratory of Dr. William Beavis, Full-time Laboratory Manager (December 2012 – Present)
- Predoctoral Associate - Iowa State University, Laboratory of Dr. William Beavis, Full-time Laboratory Manager (January 2011 – December 2012)
- Teaching Assistant – Iowa State University, Quantitative Methods for Agronomy (Spring 2009, Spring 2010, Spring 2011, and Fall 2011)
- Graduate Research Assistant – Iowa State University, Laboratory of Dr. William Beavis (November 2008 - January 2011)
- Graduate Research Assistant – Iowa State University, Laboratory of Dr. Michael Lee (August 2006 – November 2008)
- Undergraduate Research Assistant – Purdue University, Laboratory of Dr. Daniel Szymanski (March 2005- August 2006)
- Undergraduate Research Assistant – Purdue University, Laboratory of Dr. Wilfred Vermerris (June 2004 – September 2004)
- Research Assistant – Dupont Pioneer, Yale Research Station, Princeton, Indiana, USA (June 2001 - May 2004)
- Research Assistant – AgReliant Genetics, Maize Research Station, Ft Branch, Indiana, USA (February 2000 – August 2000 and November 2000 – June 2001)

Accomplishments

- Reviewer for peer-reviewed journals (2009-2011)
- Recipient of the Iowa State University Agronomy Endowed Premium Scholarship (Fall 2006 – Summer 2010)
- Outstanding Undergraduate Student, Department of Botany and Plant Pathology, Purdue University (2006)
- Recipient of Purdue University College of Agriculture scholarships (Fall 2004 – Summer 2006)
- Dean's List and Semester Honors, Purdue University (Fall 1998 – Fall 1999 and Summer 2004 – Summer 2006)

Posters

- Meade, K., Cooper, M., Beavis, W. "Phenotypic and genotypic analysis of biomass and moisture content in testcrossed double-haploids of maize." (2011) Poster Presentation Quantitative Genetics and Genomics, Gordon Research Conference, Galveston, TX, USA.
- Meade, K., Beavis, W. "Phenotypic analysis of kernel biomass and moisture contents in testcrossed double-haploids (Revised)." (2010) Poster Presentation 52nd Annual Maize Genetics Conference, Riva del Garda, Trento, Italy.
- Meade, K., Beavis, W. "Phenotypic analysis of kernel biomass and moisture contents in testcrossed double-haploids." (2009) Poster Presentation American Seed Trade Association Seed Expo 2010, Chicago, IL, USA.
- Meade, K., Mahama, A.A., Lee, M. "Phenotypic analysis of kernel water relations in the Mo17xH99 RIL population." (2008). Poster Presentation, 50th Annual Maize Genetics Conference, Washington, DC, USA.

Presentations

- Meade, K., Cooper, M., Beavis, W. "Phenotypic and genotypic analysis of biomass and moisture contents of double-haploids in maize." (Accepted 2011) ASA, CSSA, SSSA International Annual Meetings, San Antonio, TX, USA.
- Meade, K. "Phenotypic analysis of kernel biomass and moisture content in maize (revised)." (2010) Maize Genetics Group, Iowa State University, Ames, IA, USA.
- Meade, K. "Phenotypic analysis of kernel biomass and moisture contents in maize." (2010) University of Bologna, Bologna, Emilia-Romagna, Italy.
- Meade, K. "The impact of nonadditive genetic effects on plant breeding." (2009) Iowa State Plant Breeding Graduate Student Seminar, Ames, IA, USA.
- Meade, K. "Genotypic analysis of kernel water relations and duration of grain fill in maize." (2008) Presentation to Cornell Graduate Students, Visit to Iowa State University, Ames, IA, USA.
- Meade, K. "Microarray use in drought stress research." (2008) Iowa State Plant Breeding Graduate Student Seminar, Ames, IA, USA.

Research Skills

- Experience in non-linear model implementation and selection in SAS and R
- Sufficient experience in multivariate statistical methods
- Experience in organization and management of large, complex data sets
- Implementation of plant breeding, crop physiology, and molecular genetics studies in multiple species including *Zea mays*, *Arabidopsis thaliana*, *Brassica rapa*, and *Mimulus guttatus*
- Experience in organization and management of multiple ongoing experiments