

Shavannor Michelle Smith

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Education

Kansas State University, Genetics, Ph.D., May 2004
Tennessee State University, Biology, M.S., May 1997
Tennessee State University, Biology, B.S., May 1994

Professional Experience

June 2007- Present: Assistant Professor, University of Georgia, Department of Plant Pathology, Athens, Georgia 30602
June 2004- May 2007: Post Doctoral Research Associate, University of Georgia, Department of Genetics, Athens, Georgia 30602
Aug.1997- May 2004: Graduate Research Assistant, Kansas State University, Department of Plant Pathology, Interdepartmental Genetics Program, Manhattan, Kansas 66506
Aug.1995- May 1997: Graduate Research Assistant, Tennessee State University, Department of Biology, Nashville, Tennessee 37209
May 1995- Aug. 1995: Graduate Student (Summer Program), Instrumentation and Techniques in Modern Biology and Biotechnology, Fisk University, Department of Biology, Nashville, Tennessee 37208
May 1994- May 1995: Laboratory Assistant, American Red Cross Tennessee Valley Region, Nashville, Tennessee 37203

Selected Publications

Smith, S. M. and Bennetzen, J. L. Allelic Variation for R-Gene Expression in the *Rp1* Resistance Gene Cluster. In preparation.
Smith, S. M., Yuan, Y., Doust, A. and Bennetzen, J. L. Haplotype Analysis and Linkage Disequilibrium at Five Loci in *Eragrostis tef*. In preparation.
Smith, S. M. and Hulbert, S. H. (2005) Recombination Events Generating a Novel *Rp1* Race Specificity. *Molecular Plant Microbe Interactions* 18:220-228.
Zhao, B., **Smith, S.**, Leach, J. and Hulbert, S. (2005). Resistance Gene Transfer Between Different Cereal Species. *Proceedings of the WRRC 2004*.
Smith, S. M., Pryor, A. J. and Hulbert, S. H. (2004). Allelic and Haplotypic Diversity at the *Rp1* Rust Resistance Locus of Maize. *Genetics* 167: 1939-1947.
Smith, S. M. and Hulbert, S. H. (2003). Evolution of Disease Resistance Genes. In, *Genomics and Genetic Analysis of Plant Parasitism and Defense*. S. Tsuyuma, J. Leach, T. Shiraishi and T. Wolpert Editors. APS Press.
Sun, Q., Collins, N. C., Alyiffe, M., **Smith, S. M.**, Drake, J., Pryor, T. and Hulbert, S. H. (2001). Recombination Between Paralogues at the *rp1* Rust Resistance Locus in Maize. *Genetics* 158: 423-438.
Hulbert, SH, Webb, C. A. and **Smith, S. M.** (2001). A modified set of *Rp* differential lines. *Maize Genet. Newsltr.*
Hulbert, S.H., Webb, C.A., **Smith, S. M.**, and Sun, Q. (2001). Resistance Gene Complexes: Evolution and Utilization *Ann. Rev. Phytopathol.* 39:285-312.
Hulbert S.H., Sun Q., Webb, C.A. and **Smith, S. M.** (1999). Fungal disease resistance genes in cereals. pp

40-48 In, Memorias Simposium Internacional La Biotecnología y el estrés de las plantas.

Presentations

2007, Invited Speaker, University of Georgia Annual Plant Center Retreat, Lake Lanier Islands, Georgia
2006, Poster, 48th Annual Maize Genetics Conference, Pacific Grove, California
2003, Poster, Plant Genetics 2003, Mechanisms of Genetic Variation, Snowbird, Utah
2003, Invited Speaker, 45th Annual Maize Genetics Conference, Lake Geneva Wisconsin
2001, Poster, Molecular Plant-Microbe Interactions 10th International Congress, University of Wisconsin
Madison
2000, Invited Speaker, Great Plains Cereals Biotechnology Consortium Research Symposium, Kansas City
Missouri
1997, Speaker, Tennessee Valley State Science Conference
1996, Speaker, Tennessee State University Campus Wide Science Day

Accomplishments and Honors

2003, Alvin and RosaLee Sarachek Predoctoral Honors Fellowship in Molecular Biology Travel Award
1999-2004, Bill and Melinda Gates Millennium Scholarship
1998-2004, Graduate Research Assistantship Department of Plant Pathology, Kansas State University
1997, Kansas State University Dean's Fellowship
1997, 2nd Place Oral Presentation, Tennessee Valley State Science Conference
1996, 1st Place Oral Presentation, Tennessee State University Campus Wide Science Day
1995-1997, Graduate Research Assistantship Department of Biology, Tennessee State University

Brief Biography

Dr. Shavannor M. Smith's research interests are in plant-pathogen interactions with a focus on the structure, function and evolution of disease resistance loci, understanding the biological processes for disease resistance and the genetic improvement of crop plants (cereals and legumes) for disease resistance to rust fungal pathogens.