

**ABBREVIATED CURRICULUM VITAE for
WILLIAM D. BEAVIS, Ph.D.**

Citizenship: USA.

Birthplace: Ypsilanti, Michigan.

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Positions Held:

Professor, and GF Sprague Chair, Department of Agronomy, Iowa State University, (Sept 2007 to present)

Chief Science Officer, NCGR, Santa Fe, NM (October 2000 to Sept., 2007).

Adjunct Professor, Department of Mathematics and Statistics, University of New Mexico (November, 2002 – Sept. 2007)

Adjunct Assistant Professor, Department of Biochemistry and Molecular Biology, School of Medicine, University of New Mexico (January 2003 – December 2006).

Adjunct Research Scientist, Lovelace Respiratory Research Institute, Albuquerque, New Mexico (January 2004 – present)

Board of Directors, National Center for Genome Resources (NCGR), Santa Fe, NM (July 2001 to present).

Board of Directors, New Mexico Biomedical and Biotechnology Association (January, 2002 – January, 2004).

Board of Directors, New Mexico Technology Research Collaborative (January, 2003 – 2005).

Director of Science Programs, NCGR, Santa Fe, NM (June 1999 to October 2000)

Program Leader for Complex Traits, NCGR, Santa Fe, NM (September 1998-June 1999)

Research Statistician, Pioneer Hi-Bred, Int'l, Johnston, IA (1987-1998)

Data Manager, Sorghum Breeding Department, Pioneer Hi-Bred, Int'l, Plainview, TX (1986-1987)

Education:

Ph.D., 1986, Plant Breeding Major, Statistics Minor, Iowa State University, Ames, IA

M.S., 1981, Interdisciplinary Biology-Statistics, New Mexico State University, Las Cruces, NM

B.S., 1978, Range Management, Humboldt State University, Arcata, CA.

Research Support:

Current:

NIH-NIAID 10/01/04 – 9/31/09 (NCGR - \$2,620,000)

Role: Co-PI

Title: Immunity to Infections and Vaccines

Completed:

NIH-NIAID 03/01/05 – 2/28/07 (\$100,000)

NSF-MGI (05-512) 10/1/05 – 9/30/07 (\$1,760,000)

NSF-BDI 09/1/05 – 8/31/07 (\$1,700,000)

USDA-ARS 01/01/02-12/31/06 (\$5,740,00)

NSF/PGRP 05/1/05 – 4/30/08 (\$3,000,000)

NSF-BDI 04/01/01–09/31/04 (\$500,000)

NSF-BDI 09/01/99-08/31/2004 (\$1,931,527)

USAID 02/01/03–12/31/2003 (\$100,000)

European Union 5 th Framework.	11/01/00 – 10/31/03 (\$83,649)
CG IAR	07/01/01-06/31/02 (\$148,000)
CIMMYT	03/01/02-02/29/03 (\$18,000)
Rockefeller Foundation	12/31/00-12/31/01 (\$35,000)
USDA-NRI/AGI	10/01/99-9/30/01 (\$35,000)
USDA-NRI/PGI	06/01/99-06/01/01 (\$60,000)

Recent (5 years) Peer Reviewed Publications:

- Kingsmore, SF, IE Lindquist, J Mudge, DD Gesler, **WD Beavis** (2008) Genome-wide association studies: progress and potential for drug discovery and development. *Nature Reviews* (adv online publication) doi:10.1038/nrd2519
- Kingsmore, SF, IE Lindquist, J Mudge **WD Beavis** (2007) Genome-Wide Association Studies: Progress in Identifying Genetic Biomarkers in Common, Complex Diseases. *Biomarker Insights* 2007:2 1–10.
- Beavis, WD**, FD Schilkey, SM Baxter (2007). Translational Bioinformatics: At the Interface of Genomics and Quantitative Genetics. *Crop Science* 47(s3): 32-43
- Gonzales, MD, K Gajendran, AD Farmer, E Archuleta, **WD Beavis** (2007) Leveraging model legume information to find candidate genes for soybean Sudden Death Syndrome using the Legume Information System (LIS). In Ed. Edwards D. *Methods in Molecular Biology*, Humana Press (USA), pp. 245-260
- Stein, L, DD Gessler, D Rokshar, D Main, L Mueller, E Huala, C Lawrence, S Rhee, **WD Beavis** (2006) Save our Data. *The Scientist* April 24-25.
- Beavis, WD**. (2005) Architectures for Integration of Data and Applications: Lessons from Integration Projects. In *Genome Exploration: Data Mining and the Genome. The Stadler Genetics Symposia XXII*. Springer (eds. P. Gustafson, R. Shoemaker and J.W. Snape) pp. 31-46
- Gepts, P. **WD Beavis**, EC Brummer, RC Shoemaker, HT Stalker, NF Weeden, ND Young. (2005) Legumes as a Model Plant Family: Genomics for Food and Feed. Report of the Cross Legume Advances through Genomics Conference. *Plant Physiology* 137: 1228-1235.
- Gonzales, M, E Archuleta, A Farmer, K Gajendran, D Grant, R Shoemaker, **WD Beavis**, ME Waugh (2005). THE LEGUME INFORMATION RESOURCE (LIS): An Integrated Information Resource for Comparative Legume Biology. *Nucleic Acids Research* 33: D660-D665
- Munneke, B., K.A. Schlauch, **W.D. Beavis**, and R.W. Doerge (2005). Adding Confidence to Gene Expression Clustering. *Genetics* 170:2003-2011.
- Thro, AM, W Parrott, JA. Udall, **WD Beavis**. (2004). Genomics and Plant Breeding: The Experience of the Initiative for Future Agricultural and Food Systems. *Crop Science* 44:1836.
- Churchill, GA and The Complex Traits Consortium (2004). The Collaborative Cross: A Community Resource for the Genetic Analysis of Complex Traits. *Nature Genetics* 36:1133-7
- Jansen, RC, JL Jannink and **WD Beavis**. (2003) Mapping quantitative trait loci in plant breeding populations: use of parental haplotype sharing. *Crop Science* 43: 829-834.
- Tuggle, CK, JA Green, C Fitzsimmons, R Woods, RS Prather, S Malchenko, M Bento-Soares, T Kucaba, K Crouch, C Smith, D Tack, N Robinson, B O'Leary, T Scheetz, T Casavant, D Pomp, JB Edeal, Y Zhang, MF Rothschild, K Garwood, **WD Beavis**. (2003) EST-Based Discovery in Pig: Virtual Expression Patterns and Comparative Mapping to Human. *Mammalian Genome* 14: 565-579.
- Vigouroux, Y., JS Jaqueth, Y Matsuoka, OS Smith, **WD Beavis**, JSC Smith and J Doebley. (2002). Rate and pattern of mutation at microsatellite loci in maize. *Mol Biol Evol* 19:1251-1260.
- Lee, M., Sharopova, N., **Beavis, WD.**, Grant, D., Katt, M., Blair, D., Hallauer, A. (2002) Expanding the genetic map of maize with the intermated B73 x Mo17 (IBM) population. *Plant Molecular Biology*. 48:453-61.