

**Doreen Ware, Ph.D.****Education and Training:**

University of California, SD Biochem. and Cell Biology 1985 B.A  
 Ohio State University Plant Biology 2000 Ph.D.  
 Cold Spring Harbor Laboratory Bioinformatics 2003 PostDoc

**Appointments:**

2003- present Research Scientist, USDA ARS.  
 2006- present Adjunct, Assistant Professor, Cold Spring Harbor Laboratory  
 2003- 2006 Research Investigator, Cold Spring Harbor Laboratory  
 2001-2003 Postdoctoral Fellow, Cold Spring Harbor Laboratory with Dr. Lincoln Stein  
 1991- 2001 Research Associate, The Ohio State Biotechnology Center, Columbus OH.  
 Supervisor of the DNA portion of the Arabidopsis Biological Resource Center  
 1994- 2000 Graduate Student, The Ohio State University, Department of Plant Biology, with  
 Dr. Keith Davis. Identification of viral host proteins in *Arabidopsis*  
 1984 –1991 Research Associate, University of California San Diego

**Publications (Related to Proposed Project):**

1. Liang, C, Mao, L., Ware, D. and Stein, L. 2009. Evidence-based gene predictions in plant genomes. *Genome Research*. Epub ahead of print doi.10.1101./gr.088997.108.
2. Kurtz, S., A. Narechania, J.C. Stein, and D. Ware. 2008. A new method to compute K-mer frequencies and its application to annotate large repetitive plant genomes. *BMC Genomics* 9: 517. <http://www.biomedcentral.com/1471-2164/9/517>
3. Hufford KM, Canaran P, Ware DH, McMullen MD, Gaut BS (2007) Patterns of selection and tissue-specific expression among maize domestication and crop improvement loci. <http://www.ncbi.nlm.nih.gov/pubmed/17496114?>
4. Maher, C., Stein, L., and Ware, D. (2006) Evolution of Arabidopsis microRNA Families Through Duplication Events. *Apr; 16 (4): 510-9 Genome Research*. <http://www.ncbi.nlm.nih.gov/pubmed/16520461?>

**Publications (Significant):**

1. Paterson AH, Bowers JE, Bruggmann R, Dubchak I, Grimwood J, Gundlach H, Haberer G, Hellsten U, Mitros T, Poliakov A, et al (2009) The Sorghum bicolor genome and the diversification of grasses. *Nature* 457. <http://www.nature.com/nature/journal/v457/n7229/full/nature07723.html>
2. Wicker, T., Narechania, A., Sabot, F., Stein, J., Vu, GT., Graner, A., Ware, D. and Stein, N. 2008. Low-pass shotgun sequencing of the barley genome facilitates rapid identification of genes, conserved non-coding sequences and novel repeats. *BMC Genomics* 9:518. <http://www.ncbi.nlm.nih.gov/pubmed/18976483>
3. Liang C, Jaiswal P, Hebbard C., Avraham S., Buckler E, Casstevens T., Hurwitz B, McCouch S., Ni J., Pujar A., Ravenscroft D., Ren L., Spooner W., Stein L., Teale I., Thomason J., Tung C., Ware D, Wei X., Yap I, Youens-Clark K. Gramene: a growing plant

- comparative genomics resource, Nucleic Acids Research V36 (Database issue D947-53), Jan. 2008. <http://www.ncbi.nlm.nih.gov/pubmed/17984077?>
4. The Rice Chromosome 10 Sequencing Consortium (2003) Rice chromosome 10 reveals a high degree of heterochromatin and collinearity with cereals. Science Jun 6.

**Synergistic Activities:**

1. *Panel reviewer* : NSF and USDA
2. *Advisory board or Committee member*: Citrus Advisory Board Committee (2003-current), MaizeGDB(2006-current), NSF Arabidopsis 2010 Committee (2005), Plant Ensembl (2008)
3. *Workshop Organizer*: PAG Ontology workshop(2004-5), CSHL Cereal workshop (2005)
4. *Reviewer*: Plant Physiology, Plant Journal, Nucleic Acid Research, Bioinformatics, Molecular Genetics, Genome Research, BMC journals

**Collaborators:**

Birney, E-EBI, Buckler, E-USDA\_ARS, Cornell; Bradbury, P-USDA\_ARS, Cornell; Buckner, B-Truman State Univ. Mo; Buell, CR-Inst.Genomic Research; Burke, J-ARS; Clifton, S-Washington Univ, St. Louis; Cranston, KA-Univ. Arzonia, Tucson; Davis, G-U. Miss., Columbia; Davis, K-Paradym Genetics; Doebly, J-U. Wisconsin; Flint-Garcia, S-USDA\_ARS, U. Missouri; Gessler, D-NCGR; Goodman, M-NCSU; Gore, MA-Cornell; Green, P-U. Delaware ; Grills, G-Cornell; Guat , B-UCI; Holland, J-USDA\_ARS; Hufford, Jackson, S-Purdue; Jaiswal, P-Cornell; Janick-Bucker, D-Truman State Univ. MO; Kellog, E-U. Miss., St. Louis; Klein, P-TAMU; Kochian ,L-USDA-ARS; Kressovich, S-Cornell; Kudrna, D-Arizona; Kurtz,S- U. Hamburg; Maher, C-CSHL; U. Michigan; Martienssen, R-CSHL; McCombie, R-CSHL; McCouch, S-Cornell; McMullen, M-U. Miss., Columbia; Mullikin J-NHGRI; Mullet, J-TAMU; Myers, B-U. Delaware; Ni ,J-Cornell; Nordburg, M-USC; Rhee, S-, Carnegie Institute; Rooney ,W-TAMU; Sabot, F-USDA\_ARS; Sachs, M-USDA-ARS; Sanderson, MJ-Univ. Arizona, Tucson; SanMiguel, P-Purdue; Scanlong, MJ-Cornell; Schaeffer, M-USDA\_ARS; Schnable ,P-Iowa State; Soderlund, C-U.Arizona; Stein ,J-CSHL; Stein, L-CSHL, OICR; Stein,N-Leibniz Inst. Germany; Stevens, P-U. Miss., St. Louis; Sun, Q-Cornell U.; Timmermans, M-CSHL; Town, C-TIGR; Wicker, T-U. Zurich; Wilson , R-Washington U.; Wing, R-AGI; Yu, Y-U. Arizona;

**Graduate and Postdoctoral Thesis Advisors:**

K. Davis, Thesis Advisor, The Ohio State University, OH  
L. Stein, Postdoctoral Mentor, Cold Spring Harbor, NY

**Graduate Student and Postdoctoral Thesis Advisee:**

Maher, Christopher, Graduate Student, Stony Brook University, NY  
XinYing Ren, Postdoctoral fellow, Cold Spring Harbor Laboratory, CSH, NY