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**Education:**

1992 Ph.D. Genetics, UC Riverside  
1985 B.A. Genetics, UC Berkeley (*cum laude*)

**Academic and Research Appointments:**

2005- Professor, Dept. Ecology and Evolutionary Biology, UC Irvine  
2013-2013 Interim Dean, Ayala School of Biological Sciences, UC Irvine  
2006-2012 Chair, Dept. Ecology and Evolutionary Biology, UC Irvine  
2000-2005 Associate Professor, Dept. Ecology and Evolutionary Biology, UC Irvine  
1998-2000 Assistant Professor, Dept. Ecology and Evolutionary Biology, UC Irvine  
1995-1997 Assistant Professor, Department of Plant Sciences, Rutgers University  
1992-1994 Post-doctoral Research, Statistical Genetics, North Carolina State University  
Bruce S. Weir, advisor  
1988-1992 Doctoral Research, Plant Population Genetics, UC Riverside  
Michael T. Clegg, advisor  
1987-1988 Staff Research Associate, Molecular Immunology  
University of California, Berkeley  
1986-1987 Production Chemist  
ICN Biomedicals  
Irvine, California  
1984-1985 Undergraduate Honors Research  
Robert S. Goodenow, advisor  
Molecular Immunology  
University of California, Berkeley

**Awards & Honors:**

2016 Visiting Scholar-in-Residence, Borchard Foundation, Misillac, France  
2013-2015 President-elect, President, Past-President, Society for Molecular Biology and Evolution  
2014 Nei Lecture, Society for Molecular Biology and Evolution  
2008 Elected AAAS Fellow  
2008 Professor of the Year, UC Irvine  
2007 Tsujimoto Lecture, Department of Plant and Microbial Biology, UC Berkeley  
2003 Plenary Speaker, Plant and Animal Genome XI, San Diego, CA  
2002 Outstanding Professor, U.C. Irvine (voted by the Senior Class)  
2002 Biological Sciences Excellence in Teaching Award  
1995-1997 Alfred P Sloan Foundation Young Investigator Fellowship  
1992-1995 NIH postdoctoral fellow  
1991-1992 Chancellor's Scholarship, University of California, Riverside  
1988-1991 USDA National Needs Doctoral Training Fellow

**Professional Service:**

Editorial Boards and Associate Editorships:

2012-present Senior Editor, *Molecular Biology and Evolution*  
2008-present *Genome Biology and Evolution*

2014-present	<i>Journal of Systematics and Evolution</i>
2003-2007	<i>Plant Cell</i>
2000-2006	<i>Molecular Biology and Evolution</i>
2001-2005	<i>Comparative Genomics</i>
2002-2012	<i>Molecular Phylogenetics and Evolution</i>
2001-2003	<i>Journal of Heredity</i>

Societies, Institutes and External Universities

2015-2016	National Research Council, “Committee on Gene Drive Research in Non-Human Organisms: Recommendations for Responsible Conduct”, Member
2015-2017	International Botanical Congress, Scientific Program Committee
2015	External Reviewer San Diego State University, Dept. of Biology
2015	External Reviewer UCLA Dept. of Ecology and Evol. Biology
2013-2015	President-elect, President, Past-President, Society for Molecular Biology and Evolution
2014	Organizer, Ayala School of Biological Sciences, “Retirement Symposium for Dr. Michael T. Clegg”, Irvine, CA
2014	Organizer, Cold Spring Harbor-Asia Research Conference “Evolutionary Genomics and Genetics”, Suzhou, China
2012	Organizer, Cold Spring Harbor-Asia Research Conference “Plant Epigenetics, Stress and Evolution”, Suzhou, China
2011	Member, Global Organizing Committee, Society for Molecular Biology and Evolution, Kyoto, Japan
2004-2008	External Advisory Board, UC Davis Genome Center
2004-2006	External Advisory Board, Max Planck Institute for Chemical Ecology, Jena, Germany
2003	Meeting Organizer, International Meeting of SMBE, Newport Beach, CA (> 300 attendees from > 20 countries)
2003, 2011	Nominating Committee, SMBE
2002, 2007	Fitch Prize Committee, SMBE
2002,2004,2005	Eukaryotic Genetics Panel, NSF
1999	Plant Genome Panel, NSF
1998	Igert Panel, NSF

**Grants and Fellowships:**

2016-2017	Visiting Fellow, Borchard Foundation
2015-2017	The evolution of DNA methylation in the grasses, NSF, PI
2013-2015	Microbial diversity and composition of soil and rhizosphere communities of the milpa, a system of polyculture in Mexico. UC Mexus, coPI
2013-2017	Connections among Genotype, Phenotype and Fitness in <i>Escherichia coli</i> High Temperature Lines, NSF, PI
2010-2013	Renovation of the Greenhouse Research Facility at the University of California, Irvine, NSF, PI
2010-2012	Genome size variation and transposable element content in wild subspecies of maize along altitudinal gradients. UC Mexus, co-PI
2008-2012	Experimental evolutionary studies of temperature adaptation. NSF, co-PI
2007-2010	An <i>Arabidopsis thaliana</i> polymorphism database. NSF, PI (Collaborative)
2005-2007	Complete genome sequencing of <i>Arabidopsis lyrata</i> and <i>Capsella rubella</i> , two members of the Brassicaceae, DOE-JGI, co-PI
2003-2008	Molecular and Functional Diversity in the Maize Genome. NSF, co-PI
2003-2007	A Comparative Genomics Investigation of Unprecedented Haplotype Variability in Maize, NSF, co-PI
2003-2007	Evolutionary Dynamics of Transposable Elements in Selfing

	<i>Arabidopsis thaliana</i> and its Outcrossing Relative, NSF, PI
2003-2004	SNP Surveys in Maize, NSF, co-PI
2001-2003	Statistical Analysis of Grass Comparative Maps, NSF, PI
2001-2003	The Evolution of Duplicated Genes in <i>Zea mays</i> and <i>Arabidopsis thaliana</i> , NSF, PI
1999-2003	Genealogical studies of polyploidy using tetraploid <i>Zea perennis</i> as a model system, NSF, PI
1999-2004	Inferring the processes shaping genetic diversity in maize, NSF, co-PI
1998-2000	Examining the processes that have shaped genetic diversity in maize, USDA National Research Initiative, PI
1996-1999	Inter-locus, inter-genomic and inter-specific comparisons of nucleotide substitution rates, Alfred P. Sloan Foundation Molecular Evolution Young Investigator Award
1996-1999	Systematic and biological studies of Balansieae (Ascomycetes), NSF, co-PI
1996-1998	Biological studies of the Balansieae (Ascomycetes) of South America, National Geographic Society, co-PI
1995-1997	Genetic diversity in maize and its wild relatives, USDA National Research Initiative, PI
1992-1994	NIH Post-doctoral Fellowship
1991-1992	Chancellor's Scholarship, UC Riverside
1988-1991	USDA National Needs Doctoral Training Fellowship, UC Riverside

**Journal Publications:**

133. Bousios, A and BS Gaut. 2016. Open questions about ongoing conflicts between transposable elements and their plant hosts. *Current Opinions in Plant Biology* 30:123-133.
132. Roessler, K, S Takuno and BS Gaut. 2016. CG methylation covaries with differential gene expression between leaf and floral bud tissues of *Brachypodium distachyon*, *Plos One*, 11(3):e0150002.
131. Takuno, S., J-H Ran and BS Gaut. 2016. Evolutionary patterns of genic DNA methylation vary across Land Plants. *Nature Plants*, 30:123-133.
130. Bousios, A, CM Diez, S Takuno, V Bystry, N Darzentas and BS Gaut. 2016. Palindromic structures in maize Sirevirus LTRs are central to the interplay between transposable element evolution and the host epigenetic response. *Genome Research*, 26(2):226-37.
129. Diez, CM and BS Gaut. 2015. The jury may be out, but it is important that it deliberates: a response to Besnard and Rubio de Casas. *New Phytologist*, 209(2):471-3. (Peer reviewed letter)
128. Gaut, BS, CM Diez and PL Morrell. 2015. Genomics and the contrasting dynamics of annual and perennial domestication. *Trends in Genetics* (12):709-19.
127. Rodriguez-Verdugo, A, O Tenaillon and BS Gaut. 2016. First-step Mutations during Adaptation to Thermal Stress Shift the Expression of Thousands of Genes Back toward the Pre-stressed State. *Mol. Biol. Evol* 33(1):25-39.
126. Hug, SM and BS Gaut. 2015. The phenotypic signature of adaptation to thermal stress in *Escherichia coli*. *BMC Evolutionary Biology*, 15:177.
125. Gaut, B.S. 2015. Evolution is an Experiment: Assessing Parallelism in Crop Domestication and Experimental Evolution. *Mol. Biol. Evol.*, 32(7):1661-71.
124. Diez, CM, I Trujillo, N Martinez-Urdiroz, D Barranco, L Rallo, P Marfil, BS Gaut. 2015. Olive domestication and diversification in the Mediterranean Basin. *New Phytologist*, 206:436-447.
123. Gaut, BS. 2014. The complex domestication history of the common bean. *Nature Genetics* 46:663-664. (News and Views; not refereed).
122. Rodriguez-Verdugo A, Gonzalez-Gonzalez A, Carrillo-Cisneros D, Gaut BS and Bennett AF. 2014. Different trade-offs result from alternate genetic adaptations to a common environment. *Proc. Natl. Acad. Sci. USA*, 111:12121-12126.
121. Diez CM, Meca E, Tenaillon MI, Gaut BS. 2014. Three groups of transposable elements with contrasting copy number dynamics and host responses in the maize (*Zea mays* ssp. *mays*) genome. *Plos Genetics* 17:10(4):e1004298.

120. Diez CM, Roessler K, Gaut BS. 2014. Epigenetics and Plant Genome Evolution. *Current Opinions Plant Biology* 18:1-8.
119. Diez CM, Gaut BS, Meca E, Scheinvar E, Montes-Hernandez S, Eguiarte LE, Tenaillon MI. 2013. Genome size variation in wild and cultivated maize along altitudinal gradients. *New Phytologist*, 199:264-276.
118. Slotte T, Hazzouri KM, Ågren JA, Koenig D, Maumus F, Guo Y, Steige K, Platts AE, Escobar JS, Newmam JK, Wang W, Mandáková T, Vello E, Smith LM, Steffen J, Takuno S, Brandvain Y, Coop G, Andolfatto P, Hu TT, Blanchette M, Clark RM, Quesneville H, Nordborg M, Gaut BS, Lysak MA, Jenkins J, Grimwood J, Prochnick S, Shu S, Rokhsar D, Schmutz J, Weigel D, Wright SI. 2013. The *Capsella rubella* genome and the genomic consequences of rapid mating system evolution. *Nature Genetics*, 45:831-835.
117. Rodriguez-Verdugo A, Gaut BS, Tenaillon O. 2013. Evolution of *Escherichia coli* rifampicin resistance in an antibiotic-free environment during thermal stress. *BMC Evolutionary Biology*, 13:50-61.
116. Takuno S, Gaut BS. 2013. Gene-body methylation is conserved between plant orthologs and is of evolutionary consequence. *Proc Natl Acad Sci USA*, 10:1797-1802.
115. Hufford MB, Martinez-Meyer E, Gaut BS, Eguiarte LE, Tenaillon MI. 2012. Past and Present Distributions in Wild and Domesticated *Zea mays*: a chance to Revisit Maize History. *Plos One*, 7(11):e47659.
114. Chia JM, Song C, Bradbury PJ, Costich D, de Leon N, Doebley J, Elshire RJ, Gaut B, Geller L, Glaubitz JC, Gore M, Guill KE, Holland J, Hufford MB, Lai J, Li M, Liu X, Lu Y, McCombie R, Nelson R, Poland J, Prasanna BM, Pyhäjärvi T, Rong T, Sekhon RS, Sun Q, Tenaillon MI, Tian F, Wang J, Xu X, Zhang Z, Kaepler SM, Ross-Ibarra J, McMullen MD, Buckler ES, Zhang G, Xu Y, Ware D. 2012. Maize HapMap2 identifies extant variation from a genome in flux. *Nature Genetics* Jun 3. doi: 10.1038/ng.2313.
113. Vonholdt BM, Takuno S, Gaut BS. 2012. Recent retrotransposon insertions are methylated and phylogenetically clustered in japonica rice (*Oryza sativa* spp. *japonica*). *Mol Biol Evol.* 2012 May 15.
112. Gaut, B.S. 2012. Arabidopsis as a model system to study the genetics of local adaptation. *Nature Genetics*, 44(2):115-6. (News and Views; not refereed).
111. Tenaillon, O., A. Rodriguez-, R.L. Gaut, P. McDonald, A.F. Bennett, T.D. Long and B.S. Gaut. 2012. The molecular diversity of adaptive convergence. *Science* 335(6067):457-61.
110. Sakai, H., H. Mizuno, Y. Kawahara, H. Wakimoto, H. Ikawa, H. Kawahigashi, H. Kanamori, T. Matsumoto, T. Itoh and B.S. Gaut. 2011. Retrogenes in rice (*Oryza sativa* L. ssp. *japonica*) exhibit correlated expression with their source genes. *Genome Biol. Evol.* PMID:22042334.
109. Takuno, S. and B. S. Gaut. 2011. Body-methylated genes in *Arabidopsis thaliana* are functionally important and evolve slowly. *Mol. Biol. Evolution.* PMID:21813466.
108. Gaut, B.S., L. Yang, S. Takuno and L.E. Eguiarte. 2011. The Patterns and Causes of Variation in Plant Nucleotide Substitution Rates. *Annual Reviews of Ecology, Evolution and Systematics*, 42:245–66.
107. DeRose-Wilson and Gaut. 2011. Mapping salinity tolerance during *Arabidopsis thaliana* germination and seedling growth. *Plos One* 6(8):e22832.
106. Yang, L. and B.S. Gaut, 2011. Factors that contribute to variation in evolutionary rate among *Arabidopsis* genes. *Mol. Biol. Evol.* 28(8):2359-69
105. Tenaillon, M., M. Hufford, B.S. Gaut and J. Ross-Ibarra. 2011. Genome Size and Transposable Element Content as Determined by High-Throughput Sequencing in Maize and *Zea luxurians*. *Genome Biol. Evol.*, 3:219-29.
104. Hollister, J., L. Smith, Y-L. Guo, F. Ott, D. Weigel and B.S. Gaut. 2011. Transposable elements and small RNAs contribute to gene expression divergence between *Arabidopsis thaliana* and *Arabidopsis lyrata*, *Proc. Natl. Acad. Sci. USA*, 108(6):2322-7.
103. Hu, T. T., P. Pattyn, G. E. Bakker, J. Cao, J.-F. Chen, R. M. Clark, N. Fahlgren, J. A. Fawcett, J. Grimwood, H. Gundlach, G. Haberer, J. D. Hollister, S. Ossowski, R. P. Ottilar, A. A. Salamov, K. Schneeberger, M. Spannagl, X. Wang, L. Yang, M. E. Nasrallah, J. Bergelson, J. C. Carrington, B. S. Gaut, J. Schmutz, K. F. X. Mayer, Y. Van de Peer, I. V. Grigoriev, M. Nordborg, D. Weigel, and Y.-L.

- Guo. 2011. The basis of rapid genome size change in *Arabidopsis*. *Nature Genetics*, 43(5):476-81.
102. Yang, L., S. Takuno, E. Waters, and B.S. Gaut. 2011. Lowly-expressed genes in *Arabidopsis thaliana* bear the signature of possible pseudogenization by promoter degradation. *Mol. Biol. Evol.*, 28:1193-203.
101. Li, Y.H., W. Li, C. Zhang, L. Yang, R.Z. Chang, B.S. Gaut and L.J. Qiu. 2010. Genetic diversity in domesticated soybean (*Glycine max*) and its wild progenitor (*Glycine soja*) for simple sequence repeat and single-nucleotide polymorphism loci. *New Phytol.* 188:242-53.
100. Tenaillon M.I., J.D. Hollister and B.S. Gaut. 2010. A triptych of the evolution of plant transposable elements. *Trends Plant Sci.* 8:471-478.
99. Lockton, S. and B. S. Gaut. 2010. The Evolution of Transposable Elements in Natural Populations of Self-Fertilizing *Arabidopsis thaliana* and its Outcrossing Relative *Arabidopsis lyrata*. *BMC Evol. Biol.* 10:10.
98. van Heerwaarden, J., J. Ross-Ibarra, J. Doebley, J. Glaubitz, J. Sanchez-Gonzalez, J. de Jesus, B. Gaut and L. Eguiarte. 2010. Fine scale genetic structure in the wild ancestor of maize (*Zea mays* ssp. *parviglumis*). *Mol. Ecol.* 9:1162-1173.
97. Hollister, J.D., J. Ross-Ibarra and B. S. 2010. Gaut Indel-associated mutation rate varies with mating system in flowering plants. *Mol. Biol. Evol.*, 27:409-416.
96. Tian, Z., C. Rizzon, J. Du, L. Zhu, J.L. Bennetzen, S.A. Jackson, B.S. Gaut and J. Ma. 2009. Do genetic recombination and gene density shape the pattern of DNA elimination in rice LTR-retrotransposons? *Genome Research* 19:2221-2230.
95. Zhang L.B., Zhu Q., Wu Z.Q., Ross-Ibarra J., Gaut B.S., Ge S. and Sang T. 2009. Selection on grain shattering genes and rates of rice domestication. *New Phytol*, 3:708-720.
94. Hollister, J and B.S. Gaut. 2009. Epigenetic silencing of transposable elements: A trade-off between reduced transposition and deleterious effects on neighboring gene expression. *Genome Research*, 19:1419-28.
93. Ross-Ibarra, J, M. Tenaillon and B.S. Gaut. 2009. Historical divergence and gene flow in the genus *Zea*. *Genetics*, 181:1399-413.
92. Lockton, S. and B.S. Gaut. 2009. The contribution of transposable elements to expressed coding sequence in *Arabidopsis thaliana*. *J. Mol. Evol.*, 68:80-89.
91. Ross-Ibarra, J. and B.S. Gaut. 2008. Multiple domestications do not appear monophyletic. *Proc Natl Acad Sci USA*. (Letter, published online)
90. Lockton, S. J. Ross-Ibarra and B.S. Gaut. 2008. Demography and weak selection drive patterns of transposable element diversity in natural populations of *Arabidopsis lyrata*. *Proc Natl Acad Sci USA*. 105:13965-70.
89. Sweredoski, M, L. DeRose-Wilson, and B.S. Gaut. 2008. A comparative computational analysis of nonautonomous *helitron* elements between maize and rice. *BMC Genomics*. 9:467.
88. Ross-Ibarra, J., S.I. Wright, J.P. Foxe, A. Kawabe, L. DeRose-Wilson, G. Gos, D. Charlesworth and B.S. Gaut. 2008. Patterns of polymorphism and demographic history in natural populations of *Arabidopsis lyrata*. *PLoS ONE*. 11;3(6):e2411
87. Gaut, B.S. and J. Ross-Ibarra. 2008. Selection and Genomic Change in Angiosperms. *Science* 320:484-486.
86. Foxe, P., V. Dar, H. Zheng, M. Nordborg, B.S. Gaut and S.I. Wright. 2008. Selection on amino acid substitutions in *Arabidopsis*. *Mol. Biol. Evol.*, 25:1375-1383.
85. Yamasaki, M., S. Schroeder, H. Sanchez-Villeda, B.S. Gaut and M.D. McMullen. 2007. Empirical analysis of selection screens for domestication and improvement loci in maize by extended DNA sequencing. *The Plant Genome* 1.
84. Briggs W.H., M. McMullen, B.S. Gaut and J. Doebley. 2007. Linkage Mapping of Domestication Loci in a Large Maize-Teosinte Backcross Resource. *Genetics* 177:1915-1928.
83. Thuillet, A.C., M. Tenaillon, B.S. Gaut and J. Doebley. 2007. A weak effect of background selection on trinucleotide microsatellites in maize. *J. Heredity*, 177:1915-1928.
82. Hollister, J. and B.S. Gaut. 2007. Population and evolutionary dynamics of *Helitron* transposable elements in *Arabidopsis thaliana*. *Mol. Biol. Evol.*, 24:2515-2524.
81. Hufford, K.M., P. Canaran, D.H. Ware, M.D. McMullen and B.S. Gaut. 2007. Patterns of selection and

- tissue-specific expression among maize domestication and crop improvement loci. *Plant Physiology* 144:1642-1653.
80. DeRose-Wilson, L.J. and B.S. Gaut. 2007. Transcription-related mutations and GC content drive variation in nucleotide substitution rates across the genomes of *Arabidopsis thaliana* and *Arabidopsis lyrata*. *BMC Evol Biol.* 23;7:66.
  79. Ellis, A.G., A.E. Weis and B.S. Gaut. 2007. The spatial scale of local adaptation and population genetic structure in a miniature succulent, *Argyroderma pearsonii*. *New Phytologist*, 174: 904-914.
  78. Zhu, Q., X. Zheng, J. Luo, B.S. Gaut, S. Ge. 2007. Multilocus analysis of variation of *Oryza sativa* and its wild relatives: severe bottleneck during domestication of rice. *Mol. Biol. Evol.*, 24: 875-888.
  77. Ross-Ibarra, J., P.L. Morrell and B.S. Gaut. 2007. Plant Domestication, a Unique Opportunity to Identify the Genetic Basis of Adaptation. *Proc Natl Acad Sci, U.S.A.*, 104:8641-8648.
  76. Wang, N., P.F. Baldi and B.S. Gaut. 2007. Phylogenetic Analysis, Genome Evolution and the rate of gene gain in the Herpesviridae. *Mol. Phyl. Evol.*, 43(3):1066-75.
  75. Gaut, B.S., S.I. Wright, C. Rizzon, J. Dvorak, and L.K. Anderson. 2007. Recombination: An underappreciated factor in the evolution of plant genomes. *Nat. Reviews Genetics*, 8(1):77-84.
  74. Wright, S.I., J.P. Foxe, L. DeRose-Wilson, A. Kawabe, M. Looseley, B.S. Gaut, and D. Charlesworth. 2007. Testing for effects of recombination rate on nucleotide diversity in natural populations of *Arabidopsis lyrata*. *Genetics*, 174(3):1421-30.
  73. Doebley, J.F., B.S. Gaut and B.D. Smith. 2006. The molecular genetics of crop domestication. *Cell* 127(7):1309-21.
  72. Rizzon, C., L. Ponger and B.S. Gaut. 2006. Striking similarities in the genomic distribution of tandemly arrayed genes in *Arabidopsis* and rice. *Plos Comp. Bio.*, 1;2(9):e115.
  71. Mishmar D., E. Ruiz-Pesini, M. Mondragon-Palomino, V. Procaccio, B. Gaut and Wallace D.C. 2006. Adaptive selection of mitochondrial complex I subunits during primate radiation. *Gene*. 15:11-8.
  70. Buckler, E.S., B.S. Gaut, M.D. McMullen. 2006. Molecular and functional diversity of maize. *Curr. Op. Plant Bio.* 9:172-176.
  69. Good-Avila, S.V., V. Souza, B.S. Gaut, and L.E. Eguiarte. 2006. Timing and rate of speciation in *Agave* (Agavaceae). *Proc. Natl. Acad. Sci.*, 103:9124-9129.
  68. Morton, B.R., I. Vroh Bi, M.D. McMullen and B.S. Gaut. 2006. An analysis of neighboring nucleotide effects on SNPs in nuclear DNA from maize (*Zea mays* ssp. *mays*). *Genetics* 172:2859-2872.
  67. Ellis, A.G., A.E. Weis and B.S. Gaut. 2006. Evolutionary radiation of "Stone Plants" in the genus *Argyroderma* (Aizoaceae): Unraveling the effects of landscape, habitat and flowering time. *Evolution* 60:39-55.
  66. Yu, J., G. Pressoir, W.H. Briggs, I. Vroh Bi, M. Yamasaki, J.F. Doebley, M.D. McMullen, B.S. Gaut, D. Nielsen, J.B. Holland, S. Kresovich, and E.S. Buckler. 2006. A Unified Mixed-Model Method for Association Mapping Accounting for Multiple Levels of Relatedness. *Nat. Genetics* 38:203- 208.
  65. Zhao, W., P. Canaran, R. Jurkuta, T. Fulton, J. Glaubitz, E. Buckler, J. Doebley, B. Gaut, M. Goodman, J. Holland, S. Kresovich, M. McMullen, L. Stein, D. Ware. 2006. Panzea: A database and resource for molecular and functional diversity in the maize genome. *Nucl. Acids Res.* 24:D752-757.
  64. Anderson, L.K., A. Lai, S.M. Stack, C. Rizzon, and B.S. Gaut. 2006. Uneven distribution of expressed sequence tag loci on maize pachytene chromosomes. *Genome Research* 16:115-122.
  63. Yamasaki, M., M.I. Tenaillon, I. Vroh Bi, S.G. Schroeder, H. Sanchez-Villeda, J.F. Doebley, B.S. Gaut, & M.D. McMullen. 2005. Genomic Screening for Domestication and Improvement Genes in Maize. *Plant Cell* 17:2859-2872.
  62. Mondragon-Palomino, M. and B.S. Gaut. 2005. Gene conversion and the evolution of three Leucine-Rich-Repeat gene families in *Arabidopsis thaliana*. *Mol. Bio. Evo.*, 22(3):506-19.
  61. Wright, S.I., I. Vroh Bi, S.G. Schroeder, M. Yamasaki, J.F. Doebley, M.D. McMullen and B.S. Gaut. 2005. The Effects of Artificial Selection on the Maize Genome. *Science*, 308:1310-1314.
  60. Wright, S.I. and B.S. Gaut. 2005. Molecular population genetics and the search for adaptive evolution in plants. *Mol. Biol. Evol.*, 22(3):506-19.
  59. Lockton, S. and B. S. Gaut. 2005. Plant conserved non-coding sequences and paralogue evolution. *Trends Genet.* 21(1):60-5.

58. Hampson, S, P. Baldi and B.S. Gaut. 2005. CloseUp: Statistical Detection of Chromosomal Homology using density alone – a comparative analysis. *Bioinformatics*, 21(8):1339-48.
57. Tiffin, P., R. Hacker and B.S. Gaut. 2005. Population genetic evidence for rapid changes in intra-specific diversity and allelic cycling of defense genes in *Zea*. *Genetics*, 168(1):425-34.
56. Tenaillon, M. I., J. U'Ren, O. Tenaillon, and B. S. Gaut. 2004. Selection versus demography: a multilocus investigation of the domestication process in maize. *Mol. Biol. Evol.*, 21:1214-1225.
55. McLysaght, A., P. Baldi and B.S. Gaut. 2003. Extensive gene gain associated with adaptive evolution in poxviruses. *Proc. Natl. Acad. Sci., U.S.A.*, 100(26):15655-60.
54. Zhang, L and B.S. Gaut. 2003. Does recombination shape the distribution and evolution of tandemly arrayed genes (TAGs) in the *Arabidopsis thaliana* genome? *Genome Research*, 13: 2533-2540.
53. Gaut, B.S. and A.D. Long. 2003. The Lowdown on Linkage Disequilibrium. *Plant Cell* 15: 1502-1506.
52. Hampson, S., A. McLysaght, B.S. Gaut and P. Baldi. 2003. LineUp: Statistical Detection of Chromosomal Homology with Application to Plant Comparative Genomics. *Genome Research* 13: 999-1010.
51. Whitt, S.R., L.M. Wilson, M.I. Tenaillon, B. S. Gaut and E.S. Buckler. 2002 Genetic diversity and selection in the maize starch pathway. *Proc. Natl. Acad. Sci., U.S.A.*, 99:12959-12962.
50. Tenaillon, M. I., M.C. Sawkins, L.K. Anderson, J.F. Doebley, S.M. Stack and B.S. Gaut. 2002. Patterns of diversity and recombination along chromosome 1 of maize (*Zea mays* ssp. *mays* L.) *Genetics* 162: 1401-1413.
49. Mondragon-Palomino, M., B.C. Meyers, and B.S. Gaut. 2002. Patterns of positive selection in the complete NBS-LRR gene family of *Arabidopsis thaliana*. *Genome Research* 12: 1305-1315.
48. Zhang, L., A. Peek, D. Dunams, and B.S. Gaut. 2002. Population Genetics of duplicated disease-defense genes, *hm1* and *hm2* in maize (*Zea mays* ssp. *mays* L.) and its wild ancestors (*Zea mays* ssp. *parviglumis*). *Genetics* 162: 851-860.
47. Zhang, L., T. Vision and B. S. Gaut. 2002. Patterns of nucleotide substitution among simultaneously duplicated gene pairs in *Arabidopsis thaliana*. *Mol. Biol. Evol.* 19:1464-1473.
46. Gaut, B.S. Evolutionary dynamics of grass genomes. 2002. *New Phytologist*, 154:15-28.
45. Tiffin, P. and B.S. Gaut. 2002. Molecular evolution of the wound induced serine protease inhibitor *wip1* in *Zea* and related genera. *Mol. Biol. Evol.*, 18: 2092-2101.
44. Zhang, L., B.S. Gaut and T. Vision. 2001. The evolution of duplicated genes. *Science* 293:U1-U2. (Technical Comment)
43. Tenaillon, M., M.C. Sawkins, R.L. Gaut, A.D. Long, J.F. Doebley and B.S. Gaut. 2001. Patterns of DNA sequence polymorphism along chromosome 1 of maize (*Zea mays* ssp. *mays* L.), *Proc. Natl. Acad. Sci.* 98: 9161-9166.
42. Kubik, C., M. Sawkins, W. Meyer and B.S. Gaut. 2001. Genetic diversity in seven perennial ryegrass (*Lolium perenne*) cultivars based on SSR markers. *Crop. Sci.*, 45:1565-1571.
41. Tiffin, P and B. S. Gaut. 2001. Sequence diversity in the autotetraploids *Zea perennis* and its diploid progenitor *Z. diploperennis*: insights from four nuclear loci. *Genetics* 158:401-412.
40. Bennetzen, J., E. Buckler, V. Chandler, J. Doebley, J. Dorweiler, B. Gaut, M. Freeling, S. Hake, E. Kellogg, R. S. Poethig, V. Walbot and S. Wessler. 2001. Genetic evidence and the origin of maize. *Latin American Antiquity* 12:84-86 (Letter).
39. Gaut, B.S. 2001. Patterns of chromosomal duplication in maize and their implications for comparative maps of the grasses. *Genome Research* 11:55-66.
38. Peek A.S., V. Souza, L.E. Eguiarte and B.S. Gaut. 2001. The interaction of protein structure, selection and recombination on the evolution of the type-1 fimbrial major subunit (*fimA*) from *Escherichia coli*. *J. Mol. Evol.* 52:193-204.
37. Zhang, L., S. Kosakovsky-Pond and B. S. Gaut. 2001. A survey of the molecular evolutionary dynamics of twenty-five multigene families from four grass taxa. *J. Mol. Evol.* 52:144-156.
36. Gaut, B.S., M. Le Thierry d'Ennequin, A.S. Peek, M.C. Sawkins. 2000. Maize as a model for the evolution of plant nuclear genomes. *Proc. Natl. Acad. Sci., U.S.A.* 97:7008-7015.

35. Gaut, B.S., L. Tredway, C. Kubik, R.L. Gaut and B. Meyer. 2000. Phylogenetic relationships and genetic diversity among members of the *Festuca-Lolium* complex (Poaceae) based on ITS sequence data. *Pl. Syst. Evol.*, 224:33-53.
34. Peek, A., B.S. Gaut, R.A. Feldman, J.P. Barry, R.E. Kochavar, R.A. Lutz and R.V. Vrijenhoek. 2000. Neutral and nonneutral mitochondrial genetic variation in deep sea clams from the family Vesicodymidae. *J. Mol. Evol.*, 50:141-153.
33. Gaut, B.S., A.S. Peek, B.R. Morton, M.R. Duvall and M.T. Clegg. 1999. Patterns of genetic diversification within the *adh* gene family in the grasses (Poaceae) *Mol. Biol. Evol.* 16:1086-1097.
32. Kubik, C., W. Meyer and B.S. Gaut. 1999. Microsatellites in perennial ryegrass (*Lolium perenne*): abundance, polymorphism and assessment of genetic relationships. *Crop Sci.* 39:1136-1141.
31. Tredway, L.P., J.F. White Jr., B.S. Gaut, P.V. Reddy, M.D. Richardson and B.B. Clarke. 1999. Phylogenetic relationships within and between *Epichloe* and *Neotyphodium* endophytes as estimate by AFLP markers and rDNA sequences. *Mycol. Res.* 103:1593-1603.
30. Hilton, H. and B.S. Gaut. 1998. Speciation and domestication in maize and its wild relatives: evidence from the *Globulin-1* gene. *Genetics* 150:863-872.
29. Peek, A., R.V. Vrijenhoek and B.S. Gaut. 1998. Accelerated evolutionary rate in sulfur-oxidizing endosymbiotic bacteria associated with the mode of symbiont transmission. *Mol. Biol. Evol.* 15:1514-1523.
28. Meyers, B.C., K. A. Shen, P. Rohani, B.S. Gaut, and R.W. Michelmore. 1998. Receptor-like genes in the major resistance locus of lettuce are subject to divergent selection. *Plant Cell* 10: 1833-1846.
27. Eyre-Walker, A., R.L. Gaut, H. Hilton, D.L. Feldman and B.S. Gaut. 1998. Investigating the domestication bottleneck of maize, using the coalescent. *Proc. Natl. Acad. Sci., U.S.A.* 95:4441-4446.
26. Wang G-L, D-L Ruan, W-Y Song, S. Sideris, L. Chen, L-Y. Pi, S. Zhang, Z. Zhang, C. Fauquet, B.S. Gaut, M.C. Whalen and P.C. Ronald. 1998. The LRR domain encoded by the rice gene *Xa21D*, an *Xa21* receptor - like gene family member, determines race specific recognition and is subject to adaptive evolution. *Plant Cell* 10: 765-780.
25. SanMiguel, P., B.S. Gaut, A.Tikhonov, Y. Nakajima, and J.L. Bennetzen. 1998. The Paleontology of Intergene Retrotransposons of Maize: Dating the Strata. *Nature Genetics* 20:43-45.
24. Gaut, B.S. and J.F. Doebley. 1997. DNA sequence evidence for the segmental allotetraploid origin of maize. *Proc. Natl. Acad. Sci., U.S.A.* 94:6809-6814.
23. Gaut, B.S., L.G. Clark, J.F. Wendel and S.V. Muse. 1997. Comparisons of the molecular evolutionary process at *rbcl* and *ndhF* in the grass family(Poaceae). *Mol. Biol. Evol.* 14:769-777.
22. Eyre-Walker, A. and B.S. Gaut. 1997. Correlated rates of synonymous site evolution across plant genomes. *Mol. Biol. Evol.* 14:455-460.
21. Muse, S.V. and B.S. Gaut. 1997. Interlocus comparisons of the nucleotide substitution process in the chloroplast genome. *Genetics* 146:393-399.
20. Gaut, B.S., B.R. Morton, B.C. McCaig and M.T. Clegg. 1996, Substitution rate comparisons between grasses and palms: synonymous rate differences at the nuclear gene *Adh* parallel rate differences at the plastid gene *rbcl*. *Proc. Natl. Acad. Sci., U.S.A.* 93:10274-10279.
19. Morton, B.R., B.S. Gaut and M.T. Clegg. 1996. Evolution of alcohol dehydrogenase genes in the Palm and Grass families. *Proc. Natl. Acad. Sci., U.S.A.* 93:11735-11739
18. Hanson, M.A., B.S. Gaut, A.O. Stec, S.I. Fuerstenberg, M.M. Goodman, E.H. Coe, and J. Doebley. 1996. Molecular and phenotypic evolution of *c1*, a regulator of anthocyanin biosynthesis in *Zea*. *Genetics* 143:1395-1407.
17. Gaut, B.S. and P.O. Lewis. 1995. Success of maximum likelihood phylogeny inference in the four-taxon case. *Mol. Biol. Evol.* 12:152-162.
16. Clegg, M.T., B.S. Gaut, G.H. Learn, and B.R. Morton. 1994. Rates and patterns of chloroplast DNA evolution. *Proc. Natl. Acad. Sci. U.S.A.* 91:6795-6801.
15. Gaut, B.S. and B.S. Weir. 1994. Detecting substitution rate heterogeneity among regions of a nucleotide sequence. *Mol. Biol. Evol.* 11:620-629.



14. Muse, S.V. and B.S. Gaut. 1994. A likelihood approach for comparing synonymous and non-synonymous nucleotide substitution rates with application to the chloroplast genome. *Mol. Biol. Evol.* 11:715-724.
13. Gaut, B.S. and M.T. Clegg. 1993. Nucleotide polymorphism in the *Adh1* locus of pearl millet (*Pennisetum glaucum*) (Poaceae). *Genetics* 135:1091-1097.
12. Gaut, B.S., S.V. Muse, and M.T. Clegg. 1993. Relative rates of nucleotide substitution in chloroplast loci. *Mol. Phylo. Evol.* 2: 89-96.
11. Gaut, B.S. and M.T. Clegg. 1993. Molecular evolution of the *Adh1* locus in the genus *Zea*. *Proc. Natl. Acad. Sci. USA* 90: 5095-5099.
10. Weir, B.S. and B.S. Gaut. 1993. Matching and binning of VNTR's in forensics. *Jurimetrics J.* 34:9-19.
9. Weir, B.S. and B.S. Gaut. 1993. Distances between DNA sequences using data from within and between populations. *New Zea. J. Bot.* 31:317-320.
8. Clegg, M.T., B.S. Gaut, M.R. Duvall and J. Davis. 1993. Inferring plant evolutionary history from molecular data. *New Zea. J. Bot.* 31:307-316.
7. Clark, W.D., B. S. Gaut, M.R. Duvall and M.T. Clegg. 1993. Phylogenetic relationships of the Bromeliiflorae-Commeliniflorae-Zingiberiflorae complex of monocots based on *rbcl* sequence comparisons. *Ann. Miss. Bot. Gard.*, 80:987-998.
6. Duvall, M.R., M.T. Clegg, M.W. Chase, W.D. Clark, W.J. Kress, H.G. Hills, L. E. Eguiarte, J.F. Smith, B.S. Gaut, E.A. Zimmer and G.H. Learn. 1993. Phylogenetic hypotheses for the monocotyledons constructed from *rbcl* sequence data. *Ann. Miss. Bot. Gard.* 80:607-619.
5. Chase, M.W., D.E. Soltis, R.G. Olmstead, D. Morgan, D.H. Les, B.D. Mishler, M.R. Duvall, R.A. Price, H.G. Hills, Y.-L. Qiu, K.A. Kron, J.H. Rettig, E. Conti, J.D. Palmer, J.R. Manhart, K.J. Sytsma, H.J. Michaels, W.J. Kress, K.G. Karol, W.D. Clark, M. Hedren, B.S. Gaut, R.K. Jansen, K.-J. Kim, C.F. Wimpee, J.F. Smith, G.R. Furnier, S.H. Straus, Q.-Y. Xiang, G.M. Plunkett, P.S. Soltis, S. Swensen, S.E. Williams, P.A. Gadek, C.J. Quinn, L.E. Eguiarte, E. Golenberg, G.H. Learn, S.W. Graham, S.C.H. Barrett, S. Dayanandan, and V.A. Albert. 1993. Phylogenetics of seed plants: An analysis of nucleotide sequences from the plastid gene *rbcl*. *Ann. Miss. Bot. Gard.* 80:528-580.
4. Gaut, B.S., S.V. Muse, W.D. Clark, and M.T. Clegg. 1992. Relative rates of nucleotide substitution at the *rbcl* locus in monocotyledonous plants. *J. Mol. Evol.* 35:292-303.
3. Gaut, B.S. and M.T. Clegg. 1991. Molecular evolution of *alcohol dehydrogenase 1* in members of the grass family. *Proc. Nat. Acad. Sci. U.S.A.* 88:2060-2064.
2. Wilson, M.A., B. Gaut, and M.T. Clegg. 1990. Chloroplast DNA evolves slowly in the palm family (Arecaceae). *Mol. Biol. Evol.* 7:303-314.
1. Watts, S., A.C. Davis, B. Gaut, C. Wheeler, L. Hill, and R. S. Goodenow. 1989. Organization and structure of the *Qa* genes of the Major Histocompatibility Complex of the C3H mouse: implications for *Qa* function and class I evolution. *E.M.B.O.* 8:1749-1759.

#### Peer Reviewed Book Chapters and Symposium Proceedings:

10. Achaz, G, A. Rodriguez-Verdugo, B.S. Gaut and O. Tenaillon. 2014. The reproducibility of adaptation in the light of experimental evolution with whole genome sequencing. *In: Ecological Genomics, Ecology and the Evolution of Genes and Genomes*. Landry, Christian; Aubin-Horth, Nadia (Eds.) Series: Advances in Experimental Medicine and Biology, Vol. 781, in press. Springer.
9. Diez C.M, C. Vitte, J. Ross-Ibarra, B.S. Gaut, M.I. Tenaillon. 2012. Using nextgen sequencing to investigate genome size variation and transposable element content. In *Topics in Current Genetics: Plant Transposable Elements - Impact on Genome Structure & Function*. Pp 41-58.
8. Gaut, B.S., L. Yang, S. Takuno and L.E. Eguiarte. 2011. The Patterns and Causes of Variation in Plant Nucleotide Substitution Rates. *Annual Reviews Ecology and Systematics*.
7. Ross-Ibarra, J., P.L. Morrell and B.S. Gaut. 2007. Plant Domestication, a Unique Opportunity to Identify the Genetic Basis of Adaptation. In: *In the Light of Evolution*. Editors: F.J. Ayala and J. Avise. The National Academies Press. Washington, D.C., in press. (cross-listed as a publication)
6. Rocha, M., S. V. Good-Avila, F. Molina-Freaner, H. Arita, A. Castillo, A. Garcia-Mendoza, A. Silva-Montellano, B. S. Gaut, V. Souza, L. E. Eguiarte. 2004. Pollination biology and adaptive radiation of Agavaceae, with special emphasis in the genus *Agave*. *In: Proceedings of the Third*

- International Conference on the Comparative Biology of the Monocotyledons (Monocot III), Rancho Santa Ana Botanic Gardens, CA,
5. Gaut, B.S., M. Le Thierry d'Ennequin, A.S. Peek, M.C. Sawkins. 2000. Maize as a model for the evolution of plant nuclear genomes. In; Variation and Evolution in Plants and Microorganisms: Toward a New Synthesis 50 Years after Stebbins, eds. F. J. Ayala, W. Fitch and M.T. Clegg. National Academy Press, Washington, D.C. (cross-listed as a publication)
  4. Doyle, J.J. and B.S. Gaut. 2000. The evolution of genes and taxa: a primer. *Pl. Mol. Biol.* 42:1-23.
  3. Gaut, B.S. 1998. Molecular clocks and nucleotide substitution rates in higher plants. *Evolutionary Biology* 30:93-120.
  2. Gaut, B.S. 1996. Evolution in the genus *Zea*: lessons from studies of nucleotide polymorphism. *Plant Species Biology* 11:1-12.
  1. Clegg, M.T., B.S. Gaut, G.H. Learn, and B.R. Morton. 1994. Rates and patterns of chloroplast DNA evolution. In: Tempo and Mode in Evolution, eds. W. Fitch and F.J. Ayala. National Academy Press, Washington, D.C.

**Books and Edited Volumes:**

- Doyle, J.J. and B.S. Gaut. 2000. Plant Molecular Evolution. Kluwer Academic Publishers, Dordrecht, Germany.

**Invited Presentations (of >>100 total, listed from 2009):**

- 2016 Quantitative Biology, UC San Diego
- 2016 Genomics and Systems Biology, NYU-Abu Dhabi, Abu Dhabi, UAE
- 2016 Southern California Evolution Meeting, USC, Plenary Speaker,
- 2016 Dept. of Integrative Biology, U Texas, Austin
- 2016 Plant and Animal Genome (PAG) conference, San Diego (symposium speaker)
- 2015 Evolutionary Biology Centre, Uppsala University, Sweden (plant talk)
- 2015 Evolutionary Biology Centre, Uppsala University, Sweden (plant talk)
- 2015 Dept. of Ecology and Evolutionary Biology, UCLA
- 2014 Faculty of Sciences, University of Cordoba, Cordoba, Spain
- 2014 Dept. Biology, Wayne State University, Detroit
- 2014 Chinese Academy Agricultural Science, Beijing
- 2014 Institute of Botany, Beijing
- 2014 Evolutionary Genetics and Genomics, Cold Spring Harbor-Asia, Suzhou, China
- 2014 Masatoshi Nei Lecture, SMBE Conference, San Juan, Puerto Rico
- 2014 Adaptomics Conference, Bad Neuenahr, Germany
- 2013 Dept. of Botany and Plant Sciences, UC Riverside
- 2013 Interdepartmental Genetics, Iowa State University (Plant genome talk)
- 2013 Interdepartmental Genetics, Iowa State University (*E. coli* talk)
- 2013 Dept. Biology, University of Oulu, Finland (Plant genome talk)
- 2013 Dept. Biology, University of Oulu, Finland (*E. coli* talk)
- 2013 Plant Genome Evolution, Amsterdam
- 2013 Dept. Plant and Microbial Biology, UC Berkeley
- 2013 Society for Molecular Biology and Evolution, Chicago
- 2013 Dept. of Ecology and Evolutionary Biology, U of Arizona, Tucson
- 2013 Dept. Biology, University of Memphis (*E. coli* talk)
- 2013 Dept. Biology, University of Memphis (plant methylation talk)
- 2013 Cinvestav and Langebio Institutes, Irapuato, Mexico
- 2013 Institute de Ecologia, UNAM, Mexico City (plant methylation talk)
- 2013 Institute de Ecologia, UNAM, Mexico City (*E. coli* talk)
- 2013 Molecular Plant Sciences Graduate Program, Virginia Tech
- 2013 Monsanto Company, Chesterfield MO.
- 2012 Plant Epigenetics, Stress and Evolution, CSH-Asia, Suzhou, China
- 2012 Keck Science Center, the Claremont Colleges, Claremont, CA

2012 Society for Molecular Biology and Evolution, Dublin, Ireland  
2012 International Conference on Transposable Elements, St. Malo, France  
2012 Graduate Genetics Program, UC Davis  
2011 Plant Gene Expression Center, USDA, Albany, CA  
2011 Microbial and Plant Genetics, University of Minnesota, St. Paul  
2010 Dept. Biology, University of Utah, Salt Lake City  
2010 Society for Molecular Biology and Evolution, Lyon, France  
2010 Mobile Elements, The American Society for Microbiology, Montreal  
2010 Transposable Element Symposium, Institute for Genomics & Bioinformatics, UC Irvine  
2010 Dept. of Plant Biology, Swedish University of Agricultural Sciences, Uppsala, Sweden  
2009 Dept. of Computer Science, Virginia Tech University  
2009 Dept. Molecular & Computational Biology, Univ. Southern California, Los Angeles  
2009 American Society Plant Biology (Major Symposium), Hawaii  
2009 Dept. Plant Sciences, U.C. Davis  
2009 Dept. Bioagricultural Sciences, Colorado State University, Ft. Collins, CO  
2009 Dept. Plant Sciences, University of Arizona, Tucson, AZ  
2009 Plant Genomes: Genes, Networks and Applications, Cold Spring Harbor Labs, NY  
2009 Dept. of Ecology and Evolutionary Biology, University of Toronto, Toronto, Canada

**Mentoring and Professional Development:**

Postdoctoral Scholars Mentored:

Danelle Seymour (2016-present)  
Yongfeng Zhou (2015- present)  
Andrea Gonzalez Gonzalez (2013-2015); Postdoc University of Wyoming  
Concepcion Munoz Diez (2010-2012; 2014-2015): Asst. Prof. University of Cordoba  
Bridgett vonHoldt (2010-2012): Asst. Prof, Princeton University  
Hiroaki Sakai (2010-2011): Research Scientist, National Institute of Agrobiological Sciences, Japan  
Shohei Takuno (2009-2012): Faculty, The Graduate University for Advanced Studies  
Liang Yang (2008-2011): Postdoc, Harvard University  
Jeffrey Ross-Ibarra (2007- 2008): Assoc. Prof, UC Davis  
Kristina Hufford (2005-2007): Asst. Prof, University of Wyoming  
Carene Rizzon (2003-2005): Assoc. Prof, University of Evry Val D'Essonne, Paris  
Stephen Wright (2002-2004): Assoc. Prof, University of Toronto  
Aoife McLysaght (2001-2003): Assoc. Prof, Trinity College, Dublin, Ireland  
Lesley Blancas (2002-2004): Staff Scientist, U.S. State Dept.  
Maud Tenaillon (1999-2002): CNRS Scientist, Paris, France  
Peter Tiffin (2001-2002): Assoc. Prof, University of Minnesota  
Mark Sawkins (1999-2001): CIMMYT, Mexico  
Abedali Barakat (2000-2001): Unknown  
Andrew Peek (1998-2000): Director of Bioinformatics, Roche Biomedicals  
Holly Hilton (1996-1998): Scientist, Hoffmann-La Roche Inc.  
Adam Eyre-Walker (1995-1997): Professor, University of Sussex

Visiting Scholars:

Qingpo Liu (2015-2016), Associate Professor,  
Flavia Mascagni (2014), Graduate Student, University of Pisa  
Jin-Hua Ran (2012-2013), Associate Professor, Beijing Botanical Institute  
Olivier Tenaillon (2009-2011), Research Scientist, Faculty of Medicine, Paris  
Maud Tenaillon (2009-2011), CNRS Fellow, Paris  
Valeria Souza (2009-2010), Professor, UNAM, Mexico  
Luis Eguiarte (2009-2010), Professor, UNAM, Mexico

Yinghui Li (March-June 2009), Institute of Crop Science, Chinese Academy  
Agricultural Sciences, Beijing  
Elizabeth Waters (October-June, 2008-2009), Dept. of Biology, San Diego State  
University  
Brian Morton (July-August, 2004), Dept. of Biology, Barnard College, Columbia  
University  
Shu-Miaw Chaw (July-Sept, 2003), Institute of Botany, Academia Sinica, Taipei  
Song Ge (Jan-March, 2003), Institute of Botany, Chinese Academy of. Sciences  
Maud Tenaillon (July-August 2003), CNRS Fellow, Paris  
Luis Eguiarte (2001-2002), Professor, UNAM, Mexico

Graduate Students Supervised:

Kyria Roessler, Ph.D. 2012-present  
Shaun Hug, Ph.D., 2011-present  
Alejandra Rodriguez, Ph.D., 2009-2014, EMBO Post-doc ETH Zurich  
Jesse Hollister, Ph.D., 2003-2009, Asst. Prof Univ. of Stoneybrook  
Leah deRose-Wilson, Ph.D., 2004-2010, housewife  
Steven Lockton, Ph.D., 2002-2008, Scientist, Prometheus Co.  
Nan Wang, M.S. 2004-2006, housewife  
Mariana Mondragon, Ph.D. 2004, Researcher, University of  
Regensburg, Germany  
Liqing Zhang, Ph.D. 2002, Assoc Prof, Virginia Tech University  
Chritine Kubik, M.S., 1999, Research scientist, Rutgers University