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**BIOGRAPHICAL SKETCH**


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NAME <b>David M. Stelly</b>	POSITION TITLE <b>Professor</b>
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**EDUCATION/TRAINING (Contact: [stelly@tamu.edu](mailto:stelly@tamu.edu))**

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
University of Wisconsin - Madison	Ph. D.	1983	Plant Breeding & Plant Genetics
Iowa State University	M. Sc.	1979	Plant Breeding & Cytogenetics
University of Wisconsin - Madison	B. Sc.	1975	Genetics

**On-Line Data:**

- Institutional: <https://scholars.library.tamu.edu/vivo/display/nfec36db0>
- ORCID: <https://orcid.org/0000-0002-3468-4119>
- GoogleScholar: <https://scholar.google.com/citations?user=z6fjJ9kAAAAJ&hl=en>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=7003696727>

**A. Positions and Honors****Positions and Employment:**

2008 - present: Director or Co-director of the AgriGenomics Laboratory, Dept. Soil & Crop Sciences, TAMU  
 2003 - present: Member of the Interdisciplinary Faculty of Biotechnology, TAMU  
 1993 – present: Professor of Plant Genetics, Cytogenetics and Breeding, TAMU  
 1989 – 93: Associate Professor of Plant Genetics, Cytogenetics and Breeding, TAMU  
 1989 - present: Member of the Interdisciplinary Faculty of Mol. Environmental Plant Sci., TAMU  
 1984 - present: Member of the Interdisciplinary Faculty of Genetics, TAMU  
 1984 - present: Member of the Graduate Faculty, TAMU  
 1983 – 1989: Asst. Professor of Plant Genetics, Cytogenetics and Breeding, TAMU

**Professional Honors and Roles:**

2018: Fellow, American Association for the Advancement of Science (AAAS)  
 2018: Cotton Biotechnology Award  
 2017-18: Council of Principle Investigators – Executive Committee - Member, Texas A&M University  
 2016-: Council of Principle Investigators, Texas A&M University – elected Collegiate Representative  
 2017: Executive Committee - Member, Faculty of Genetics (Interdisciplinary Graduate Program)  
 2017: ICAC Cotton Researcher of the Year 2017, The International Cotton Advisory Committee  
 2016: Fellow, Crop Science Society of America  
 2016: Lifetime Achievement Award, University of Agricultural Sciences, Dharwad, India  
 2016: B.B. Singh Award for Outstanding Research in Crop Science, Texas A&M University  
 2016: USDA Program 301 Review Panel, Member  
 2015-7: Chair, International Cotton Genome Initiative (ICGI)).  
 2015: Margaret Annette Peters Advising Award (student nominated)  
 2014-: Member, National Academy of Sciences Committee on GE Crops: Past, Present and Future  
 2014-6: Chair, Calvin Sperling Biodiversity Lectureship Committee, Crop Science Society of America  
 2014-6: Member, International Organizing Committee, World Cotton Research Conference-6  
 2013: Research Award for 2012 (faculty), Dept. Soil & Crop Sciences, TAMU  
 2013-5: Co-Chair, International Cotton Genome Initiative (ICGI)

- 2013: Member, Calvin Sperling Biodiversity Lectureship Committee, Crop Science Soc. of America  
 2009-14: Chair, P&T Committee, Dept. Soil & Crop Sciences, TAMU  
 2009-12: National Association of Plant Breeders: Elected as Secretary (2010), Vice-President (2011), President (2012) and Past-President (2013)  
 2008: Cotton Genetics Award  
 2007: Elected Chair, Science & Technology, Plant Breeding Coordination Committee (2007-2009)  
 2002: Chair (1st elected) International Cotton Genome Initiative (ICGI) -  
 1995: Cotton Genetics Award  
Memberships: AAAS, Crop Science Society of America, National Association of Plant Breeders, Int'l Cotton Genome Initiative, Sigma Xi, Society for Science & the Public

## B. Graduate Students Trained

- Total Number of Graduate Students Trained or Mentored over Career: 70
- Graduate Students Trained or in training (2010 to present): over 26
- Current Lab profile (genetics, breeding, genomics): 2 Post-docs; 9 graduate students: 2 PhD, 3 MSc-thesis, 4 MSc-non-thesis) and 3 undergraduates.

## D. Publications: (>150 refereed journal articles, 7 chapters, 3 proceedings, and 2 patents; ~300 abstracts)

1. Awasthi, A., Reddy, K.R., Saha, S., Jenkins, J.N. and Stelly, D.M., 2018. **Morph-physiological responses of cotton interspecific chromosome substitution lines to low temperature and drought stresses.** *Euphytica* 214:218 (19 p).
2. Sripathi, V.R., Choi, Y., Gossett, Z.B., Stelly, D.M., Moss, E.M., Town, C.D., Walker, L.T., Sharma, G.C. and Chan, A.P., 2018. **Identification of microRNAs and their targets in four *Gossypium* species using RNA sequencing.** *Current Plant Biology*. 14:30-40.
3. Saski, CA, BE Scheffler, AM Hulse-Kemp, B Liu, Q Song, A Ando, DM Stelly, JA Scheffler, J Grimwood, DC Jones, DG Peterson, J Schmutz, T Zhang and ZJ Chen. 2017. **Subgenome-anchored physical frameworks of the allotetraploid Upland cotton (*Gossypium hirsutum* L.) genome, and an approach toward reference-grade assemblies of polyploids.** *Scientific Reports* 7:15274. doi:10.1038/s41598-017-14885-w
4. Ulloa, M, AM Hulse-Kemp, L De Santiago, DM Stelly and JJ Burke. 2017. **Insights into Upland cotton (*Gossypium hirsutum* L.) genetic recombination based on three High-Density SNP and a consensus map developed independently with common parents.** *Genomics Insights* 10 (2017): 1178631017735104.
5. Hinze, LL, AM Hulse-Kemp, IW Wilson, Q-H Zhu, DJ. Llewellyn, JM Taylor, A Spriggs, DD Fang, M Ulloa, JJ Burke, M Giband, J-M Lacape, A Van Deynze, JA Udall, JA Scheffler, S Hague, JF Wendel, AE Pepper, J Frelichowski, CT Lawley, DC Jones, RG Percy, and DM Stelly. 2017. **Diversity analysis of cotton (*Gossypium hirsutum* L.) germplasm using the CottonSNP63K Array.** *BMC Plant Biology* 17: 37. (20 pg) DOI:10.1186/s12870-017-0981-y
6. Saha, S., JN Jenkins, JC McCarty, RW Hayes, DM Stelly and BT Campbell. 2017. **Four chromosome-specific (*Gossypium barbadense* chromosome 5sh) Upland cotton RILs with improved elongation.** *J. Plant Registrations* 11:165-167. DOI:10.2198/jpr2015.09.0020crg
7. Jenkins, JN, JC McCarty, BT Campbell, RW Hayes, J Wu, S Saha and DM Stelly. **Effects of chromosomes 01, 04, 18 from three tetraploid species of *Gossypium* in topcrosses with five elite cultivars: I. Genetic effects.** *Crop Science* 57:1338-1346. doi:10.2135/cropsci:2016.06.0528
8. Jenkins, JN, JC McCarty, BT Campbell, RW Hayes, J Wu, S Saha and DM Stelly. 2017. **Genotypic comparisons of chromosomes 01, 04, and 18 from three tetraploid species of *Gossypium* in topcrosses with five elite cultivars of *G. hirsutum* L."** *Euphytica* 213, no. 5 (2017): 107 (16pp). doi:10.1007/s10681-017-1895-3
9. Saha, S, J Wu, JN Jenkins, JC McCarty, BT Campbell, RW Hayes and DM Stelly. 2017. **Tri-species shuffling of chromosomes to study the effects on fiber traits using chromosome substitution lines.** *Crop Science* 57:1211-1226. doi:10.2135/cropsci2016.09.0729
10. Song, Q, T Zhang, DM Stelly and ZJ Chen. 2017. **Epigenomic and functional analyses reveal roles of epialleles in the loss of photoperiod sensitivity during domestication of allotetraploid cottons.** *Genome Biology* 18:99 (14pp). 10.1186/s13059-017-1229-8
11. National Academies of Sciences, Engineering, and Medicine (NASEM), 2017. **Genetically Engineered Crops: Experiences and Prospects.** *National Academies Press.* (Contributed by Fred Gould, Richard M. Amasino, Dominique Brossard, C. Robin Buell, Richard A. Dixon, José B. Falck-Zepeda, Michael A. Gallo, Ken Giller, Leland Glenna, Timothy S. Griffin, Bruce R. Hamaker, Peter M. Kareiva, Daniel Magraw, Carol Mallory-Smith, Kevin Pixley, Elizabeth P. Ransom, Michael Rodemeyer, David M. Stelly, C. Neal Stewart, Robert J. Whitaker. Kara N. Laney, Janet M. Mulligan, Jenna Briscoe; Samuel Crowell, Maria Oria, Robin A. Schoen, Norman Grossblatt)