

# Tanya P. Garcia

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## Contact Information

Texas A&M University  
Statistics Department  
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Web: <http://stat.tamu.edu/~tpgarcia>

## Research Interests

High-Dimensional Variable Selection, Longitudinal Data Analysis, Neurodegenerative Diseases, Nonparametric Models, Prediction Models, Semiparametric Models, Survival Analysis

## Employment

<b>Associate Professor of Statistics (Tenured)</b> , Department of Statistics, Texas A&M University	09/2018-
<b>Assistant Professor of Biostatistics</b> , Department of Epidemiology and Biostatistics, Texas A&M School of Public Health	01/2013- 08/2018
<b>Research Assistant Professor of Statistics</b> , Department of Statistics, Texas A&M University	07/2011-12/2012
<b>Visiting Scholar</b> , The University of Sydney, Australia <i>Fully funded (\$7,200 AUS) four-week invitation by Prof. Samuel Müller and Prof. Alan Welsh.</i>	11/2012
<b>Research Assistant</b> , Oak Ridge National Lab, Oak Ridge, TN	06/2010-08/2010
<b>Research Assistant</b> , MD Anderson Cancer Center, Houston, TX	07/2008-08/2008
<b>Teaching Assistant</b> , University of Neuchâtel, Neuchâtel, Switzerland	09/2006-06/2008
<b>Teaching Assistant</b> , University of Western Ontario, London, ON, Canada	09/2005-06/2006
<b>Research Assistant</b> , RWTH Institute of Operations Research and Logistics, Aachen, Germany	06/2004-08/2004
<b>Research Assistant</b> , University of California, Irvine, Irvine, CA	09/2002-06/2003
<b>Teaching Assistant</b> , University of California, Irvine, Irvine, CA	09/2001-06/2003

## Education

<b>Ph.D., Statistics</b> , Texas A&M University, College Station, TX <i>Adviser: Prof. Yanyuan Ma. GPA: 4.00/4.00.</i>	08/2011
<b>M.Sc., Statistics</b> , University of Western Ontario, London, ON, Canada <i>Adviser: Prof. John Braun. GPA: 4.00/4.00.</i>	08/2006
<b>M.S., Industrial Engineering and Operations Research</b> , University of California, Berkeley, Berkeley, CA GPA: 3.67/4.00.	05/2005
<b>B.S., Mathematics</b> , University of California, Irvine, Irvine, CA GPA: 3.939/4.00	06/2003

**Grants and  
Fellowships  
(Total:  
\$938,406)**

10. **Principal Investigator**, “Innovative statistical models for development of first Huntington’s disease progression risk assessment tool.” K01, NIH NINDS, K01NS099343, \$557,406. 12/2016-11/2019
9. **Statistics Mentor**, “Nutrition, Biostatistics and Bioinformatics.” T32 DHHS-NIH-National Cancer Institute. PI: Raymond J. Carroll. 08/2017-08/2021
8. **Co-Investigator**, “Leveraging motor vehicle crash data for injury surveillance and research in AFF.” Centers for Agricultural Safety and Health, U54 OH007541-16. PI: Eva Shipp. 12/2016-11/2019
7. **Principal Investigator**, “Identifying high-dimensional neuroimaging biomarkers associated with Huntington’s disease motor onset.” Texas A&M School of Public Health Research Enhancement and Development Initiative (REDI) Grant, \$25,000. 06/2015-08/2016
6. **Principal Investigator**, “Improved definition and prediction of Huntington’s disease motor-onset using advanced statistical models.” Huntington’s Disease Society of America (HDSA) Research Fellowship, \$150,000. 11/2013-11/2015
5. National Consortium for Graduate Degrees for Minorities in Engineering and Science (GEM) PhD Fellowship, \$30,000. 2010-2011
4. Philanthropic Educational Organization (P.E.O.) Scholar Award, \$15,000. 2010-2011
3. Ford Foundation Predoctoral Fellowship Honorable Mention 2010
2. National Science Foundation’s Texas A&M University System Louis Stokes Alliance for Minority Participation Bridge to the Doctorate Fellowship, \$94,000. 2008-2010
1. Chancellor’s Opportunity Predoctoral Fellowship, University of California, Berkeley, \$67,000. 2003-2005

**Publications** (\* denotes equal contribution; underline denotes student or postdoctoral researcher author)

**Under Review**

27. Parast, L., **Garcia, T.P.**, Carroll, R.J.C., and Ross, R.L. Robust methods to correct for measurement error when evaluating a surrogate marker.
26. Kim, R., Müller, S., and **Garcia, T.P.** C2pLasso: the categorical-continuous pliable lasso to identify brain regions affecting motor impairment in Huntington disease.
25. Lee, U., Carroll, R.J., Marder, K., Wang, Y., and **Garcia, T.P.** Estimating disease onset from change points of markers measured with error.
24. **Garcia, T.P.** and Parast, L. Dynamic landmark prediction for genetic mixture models.

**Refereed Papers**

23. Lee, U., **Garcia, T.P.**, Carroll, R.J., Gilbreath, K. and Wu, G. (2019). Analysis of repeated measures data in nutrition research. *Frontiers in Bioscience, Landmark*, **24**, 1378-1390.

22. Shipp, E., Vasudeo, S., Trueblood, A. and **Garcia, T.P.** (2019). Single Logging Vehicle Crashes and Variables Associated with Injury in Louisiana. *Journal of Agromedicine*, **24**, 177-185. doi: 10.1080/1059924X.2019.1567422.
21. **Garcia, T.P.**, Marder, K. and Wang, Y. (2019). Time-varying Proportional Odds Model for Mega-analysis of Clustered Event Times, **20**, 129-146. doi: 10.1093/bio-statistics/kxx065.
20. Wei, Y., Ma, Y., **Garcia, T.P.** and Sinha, S. (2019). Consistent estimator for logistic mixed effect models. *The Canadian Journal of Statistics*, **47**, 140-156. doi:10.1002/cjs.11482.
19. **Garcia, T.P.**, Wang, Y., Shoulson, I., Paulsen, J.S., and Marder, K. (2018). Disease progression in Huntington Disease: an analysis of multiple longitudinal outcomes. *Journal of Huntington Disease*, **7**, 337-344. doi: 10.3233/JHD-180297.
18. Dutra, J.R.\*, **Garcia, T.P.\***, Marder, K. (2018). Huntington's Disease. In Oxford Textbook of Neurological and Neuropsychiatric Epidemiology, editors Carol Brayne, Valery Feigin, Lenore Launer, and Giancarlo Logroscino.
17. **Garcia, T.P.** and Ma, Y. (2017). Simultaneous treatment of unspecified heteroskedastic model error distribution and mismeasured covariates for restricted moment models. *The Journal of Econometrics*, **200**, 194-206.
16. **Garcia, T.P.**, Ma, Y., Marder, K. and Wang, Y. (2017). Robust mixed-effects model for clustered failure time data: application to Huntington's disease event measures. *Annals of Applied Statistics*, **11**, 1085-1116.
15. **Garcia, T.P.** and Marder, K. (2017). Statistical Approaches to longitudinal data analysis in neurodegenerative diseases: Huntington's Disease as a model. *Current Neurology and Neuroscience Reports*, **17**:14, doi:10.1007/s11910-017-0723-4.
14. **Garcia, T.P.**, Marder, K. and Wang, Y. (2017). Statistical modeling of Huntington disease onset. In Handbook of Clinical Neurology, vol 144, 3rd Series, editors Andrew Feigin and Karen E. Anderson.
13. **Garcia, T.P.\*** and Müller, S.\* (2016). Cox regression with exclusion frequency-based weights to identify neuroimaging markers relevant to Huntington's disease onset. *Annals of Applied Statistics*, **10**, 2130-2156.
12. Kohli, P., **Garcia, T.P.** and Pourahmadi, M. (2016). Linear models for cholesky factors of covariance matrices of multivariate longitudinal data. *Journal of Multivariate Analysis*, **145**, 87-100.
11. **Garcia, T.P.** and Ma, Y. (2015). Optimal estimator for logistic model with distribution-free random intercept. *Scandinavian Journal of Statistics*, **43**, 156-171.
10. Qin, J.\*, **Garcia, T.P.\***, Ma, Y., Tang, M.X., Marder, K. and Wang, Y. (2014). Combining isotonic regression and EM algorithm to predict genetic risk under monotonicity constraint and unknown genotypes. *Annals of Applied Statistics*, **8**, 1182-1208.
9. **Garcia, T.P.** and Müller, S. (2014). Influence of measures of significance-based weights in the weighted Lasso. *Journal of the Indian Society of Agricultural Statistics* (Invited paper), **68**, 131-144.
8. **Garcia, T.P.**, Müller, S., Carroll, R.J., and Walzem, R.L. (2014). Identification of important regressor groups, subgroups, and individuals via regularization methods: application to gut microbiome data. *Bioinformatics*, doi: 10.1093/bioinformatics/btt608.

7. **Garcia, T.P.**, Müller, S., Carroll, R.J., Dunn, T.N., Thomas, A.P., Adams, S.H., Pillai, S.D., and Walzem, R.L. (2013). Structured variable selection with  $q$ -values. *Biostatistics*, DOI: 10.1093/biostatistics/kxt012.
6. Wang, Y., **Garcia, T.P.**, and Ma, Y. (2012). Nonparametric estimation for censored mixture data with application to the Cooperative Huntington's Observational Research Trial. *Journal of the American Statistical Association*, **107**, 1324-1338.
5. **Garcia, T.P.**, Kohli, P., Pourahmadi, M. (2012). Regressograms and mean-covariance models for incomplete longitudinal data. *The American Statistician*, **66**, 85-91.
4. Ye, F., **Garcia, T.P.**, Pourahmadi, M., and Lord, D. (2012). Extension of a negative binomial GARCH model: analyzing the effects of gasoline price and VMT on DUI fatal crashes in Texas. *Transportation Research Record: Journal of the Transportation Research Board*, **2279**, 31-39.
3. **Garcia, T.P.**, Ma, Y., and Yin, G. (2011). Efficiency improvement in a class of survival models through model-free covariate incorporation. *Lifetime Data Analysis*, **17**, 552-565.
2. Barber, J., Bose, C., Bourlioux, A., Braun, J., Brunelle, E., **Garcia, T.**, Hillenk, T., and Ong, B. (2010). Burning issues with PROMETHEUS, the Canada's wildfire growth simulator. *Canadian Applied Mathematics Quarterly*, **16**, 337-378.
1. **Garcia, T.**, Braun, J., Bryce, R., and Tymstra C. (2008). Smoothing and bootstrapping the PROMETHEUS fire growth model. *Environmetrics*, **19**, 1-13.

## Presentations

### Invited

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|--|---------|
| 49. Plenary Speaker at the 39th International Symposium on Forecasting, Thessaloniki, Greece                               | 06/2019 |
| 48. 2019 Eastern North American Region (ENAR) Annual Meeting, Philadelphia, PA   | 03/2019 |
| 47. Department of Statistical Science, Southern Methodist University, Dallas, TX   | 10/2018 |
| 46. 2018 Joint Statistical Meeting, Vancouver, Canada  | 08/2018 |
| 45. International Society for Non-Parametric Statistics (ISNPS) Meeting, Salerno, Italy                                    | 06/2018 |
| 44. Institute for Mathematics and its Applications "Frontiers in Forecasting", Minneapolis, MN                             | 02/2018 |
| 43. 10th International Conference of the ERCIM WG on Computational and Methodological Statistics, University of London, UK | 12/2017 |
| 42. Texas A&M University, Department of Statistics, College Station, TX  | 12/2017 |
| 41. 2017 Joint Statistical Meeting, Baltimore, MD  | 08/2017 |
| 40. 32nd Annual Huntington's Disease Society of America Annual Convention, Schaumburg, IL                                  | 06/2017 |
| 39. International Conference on Econometrics and Statistics, Hong Kong University of Science and Technology, Hong Kong     | 06/2017 |
| 38. 2017 Conference on Lifetime Data Science, Storrs, CT   | 05/2017 |
| 37. Baylor University, Department of Statistical Science, Waco, TX   | 02/2017 |

36. Huntington Study Group, 10th Annual HD Clinical Research Symposium, Nashville, TN	11/2016
35. Newest Developments and Urgent Issues in Measurement Error and Latent Variable Problems, Banff, Canada	08/2016
34. 2016 International Biometrics Conference, Victoria, Canada	07/2016
33. 2016 Eastern North American Region (ENAR) Annual Meeting, Austin, TX	03/2016
32. 2015 Joint Statistical Meeting, Seattle, WA	08/2015
31. International Society for Non-Parametric Statistics (ISNPS) Meeting, Biosciences, Medicine, and Novel Non-Parametric Methods, Graz, Austria	07/2015
30. International Chinese Statistical Association Applied Symposium, Fort Collins, CO	06/2015
29. University of California, Riverside, Riverside, CA	06/2015
28. University of North Carolina, Department of Biostatistics, Chapel Hill, NC	04/2015
27. University of California, San Diego, Department of Family Medicine and Public Health, San Diego, CA	04/2015
26. Manhattan College, Department of Mathematics, New York, NY	03/2015
25. University of California, Berkeley, Department of Biostatistics, Berkeley, CA	01/2015
24. University of California, Davis, Department of Statistics, Davis, CA	01/2015
23. RAND Corporation, Santa Monica, CA	11/2014
22. University of South Carolina, Department of Statistics, Columbia, SC	10/2014
21. 2014 Joint Statistical Meeting, Boston, MA	08/2014
20. Australian Statistical Conference/Institute of Mathematical Statistics Annual Meeting, Australian Technology Park Sydney, Australia	07/2014
19. The Ninth International Chinese Statistical Association (ICSA) International Conference: Challenges of Statistical Methods for Interdisciplinary Research and Big Data, Hong Kong Baptist University, Hong Kong	12/2013
18. Columbia University, Department of Biostatistics, New York, NY	09/2013
17. 2013 Joint Statistical Meeting, Montréal, Québec, Canada	08/2013
16. Western North American Region (WNAR) Conference, Los Angeles, CA	06/2013
15. Sam Houston State University, Department of Mathematics and Statistics, Huntsville, TX	02/2013
14. The Australian National University, Mathematical Sciences Institute, Canberra, New South Wales, Australia	11/2012
13. The University of Melbourne, School of Mathematics and Statistics, Melbourne, Victoria, Australia	11/2012
12. The University of Sydney, School of Mathematics and Statistics, Sydney, New South Wales, Australia	11/2012

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| 11. International Chinese Statistical Association (ICSA) Applied Symposium, Boston, MA  | 06/2012 |
| 10. 8th Annual Texas A&M University System (TAMUS) Louis Stokes Alliance for Minority Participation (LSAMP) Symposium, Corpus Christi, TX | 02/2012 |
| 9. Statistical Inverse Problems Workshop, College Station, TX   | 05/2012 |

### **Contributed**

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|---|---------|
| 8. Huntington Study Group, 9th Annual HD Clinical Research Symposium, Tampa Bay, FL                             | 10/2015 |
| 7. Huntington Study Group, 8th Annual HD Clinical Research Symposium, Minneapolis, MN                           | 11/2014 |
| 6. Western North American Region Conference, Honolulu, HI   | 06/2014 |
| 5. University of Florida Winter Workshop: Dimension Reduction and High Dimensional Inference, Gainesville, FL   | 01/2014 |
| 4. Huntington Study Group, 7th Annual HD Clinical Research Symposium, Charlotte, NC                             | 11/2013 |
| 3. Eastern Northern American Region (ENAR) Annual Meeting, Miami, FL  | 03/2011 |
| 2. Emerging Researchers National Conference in Science, Technology, Engineering and Mathematics, Washington, DC | 02/2011 |
| 1. The National GEM Consortium Annual Meeting, Vienna, VA   | 08/2010 |

## **Teaching**

### **Texas A&M Health Science Center, College Station, TX**

- |   |           |
|---|-----------|
| <i>Instructor</i> , Biostatistics II Online (Spring Semester)           | 2014-2018 |
| <i>Instructor</i> , Biostatistics II In-Person (Spring Semester)        | 2013-2015 |
| <i>Instructor</i> , Statistics II, College of Medicine (one day course) | 01/2013   |

### **University of Neuchâtel, Neuchâtel, Switzerland**

- |   |                   |
|---|-------------------|
| <i>Teaching Assistant</i> , Calculus and Linear Models (taught in French) | Spring 2007, 2008 |
| <i>Teaching Assistant</i> , Linear Models (Graduate Level)                | Fall 2007         |
| <i>Teaching Assistant</i> , Econometrics                                  | Fall 2006         |

### **University of Western Ontario, London, ON, Canada**

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| <i>Teaching Assistant</i> , Operations Research  | Spring 2006 |
| <i>Teaching Assistant*</i> , Applied Probability | Fall 2005   |

\*Awarded Teaching Assistant of the Year in the Sciences

### **University of California, Irvine, Irvine, CA**

- |   |                 |
|---|-----------------|
| <i>Teaching Assistant</i> , Statistics, Summer Bridge             | Summer 2002     |
| <i>Tutor</i> , Mathematics, Learning and Academic Resource Center | 09/2001-06/2003 |

## **Honors and Awards**

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| 20. <b>Mentoring Institute for Neuroscience Diversity Scholars (MINDS) Fellow</b>                                   | 2017-2018 |
| NIH NINDS funded program that promotes the advancement of underrepresented independent researchers in neuroscience. |           |

19. **Southeastern Conference (SEC) Travel Grant Program Award, Texas A&M University\*** 2016-2017  
*\*Awarded but then unable to be used due to collaborator moving to non-SEC university.*
18. **Participant in 14th Meeting of New Researchers in Statistics and Probability**, University of California, San Diego 2012  
 Travel award to attend workshop which promotes interaction and networking among new researchers in statistics and probability.
17. **SACNAS National Conference Travel Award**, Seattle, WA 2012
16. **Participant in Roadmap for a Successful Academic Career Workshop**, Texas A&M University 2012  
 Designed for internal and external women postdoctoral researchers and assistant professors (2 years or less) in STEM fields.
15. **American Statistical Association Gertrude M. Cox Award (\$2,000)** 2011  
 Awarded to 2 out of 1200 female applicants from throughout the US and Canada.
14. **Phi Kappa Phi Member**, Texas A&M Chapter 2011  
 Awarded to top 10% of seniors and graduate students at Texas A&M University.
13. **Emerging Researchers National Conference in Science, Technology, Engineering and Mathematics Travel Award** 2011  
 Awarded to 100 applicants.
12. **William S. Connor Award**, Texas A&M University 2010  
 Awarded to the student whom the faculty deems the most outstanding among those students passing the preliminary examinations during the 2008-2009 academic year.
11. **Participant in Building Future Faculty**, North Carolina State University 2010  
 Awarded to 12 out of 100 applicants from graduate programs throughout the US.
10. **Participant in Negotiating the Ideal Faculty Position**, Rice University 2010  
 Awarded to 65 out of 1100 applicants from graduate programs throughout the US.
9. **Teaching Assistant of the Year in the Sciences**, University of Western Ontario 2006
8. **Summa Cum Laude**, School of Physical Sciences, University of California, Irvine 2003
7. **Ronald E. McNair Scholar**, University of California, Irvine 2002-2003
6. **Mathematics Departmental Service/Undergraduate Service Award**, University of California, Irvine 2003
5. **Outstanding Senior in Mathematics**, University of California, Irvine 2003

4. <b>Leadership Scholarship</b> , University of California, Irvine	2000-2002
3. <b>The National Dean's List</b> , University of California, Irvine	2000-2003
2. <b>National Society of Collegiate Scholars Member</b> , University of California, Irvine	2001
1. <b>National Hispanic Scholar Finalist</b> , University of California, Irvine	2000

## Research Supervision

6. <b>Rakheon Kim</b> , PhD, <i>Texas A&amp;M University, Department of Statistics</i>	May 2018-
5. <b>Unkyung Lee</b> , Postdoctoral Trainee of DHHS-NIH National Cancer Institute T32, <i>Texas A&amp;M University, Department of Statistics</i>	June 2017-
4. <b>Weixi Zhu</b> , MS, <i>Texas A&amp;M University, Department of Statistics</i>	2018-2019
3. <b>Timothy Gibson</b> , Honours (equivalent of Undergraduate Senior Diploma), <i>The University of Sydney, Department of Statistics</i>	Feb-Oct 2017
2. <b>Satwik Acharyya</b> , PhD, <i>Texas A&amp;M University, Department of Statistics</i>	Fall 2015
1. <b>Sage Lane</b> , MPH, <i>Texas A&amp;M Health Science Center, Department of Epidemiology and Biostatistics</i>	Summer 2014

## PhD Committee Member

### **Texas A&M University** Department of Statistics

Eli Kravitz (Chair: Raymond J. Carroll)	2019
Shuai Chen (Chair: Hongwei Zhao and Lan Zhou)	2015

### Department of Mathematics

Lauren Snider	2019-
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### Department of Epidemiology and Biostatistics

Xiaohuan Zhu (Chair: Hongwei Zhao)	2019-
Shubhangi Vasudeo (Chair: Eva Shipp)	2017-

## MS Committee Member

### **Texas A&M University** Department of Statistics

Leo Lazcano	2019
Vanessa McMahan	2019
Genti Ndrevaaj	2019
Timothy Parker	2019
Carroll Patton	2019
Michelle Perez	2019
Christopher Phelan	2019
Weixi Zhu	2019-

### Department of Epidemiology and Biostatistics

Karen Fischer	2016
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Timothy Erickson	2015
John Coppin	2014
I-Chia Liao	2014

## Service to the Profession

### Grant Reviewer

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| 3. National Science Foundation Statistics Panel  | 2019    |
| 2. Natural Sciences and Engineering Research Council of Canada (NSERC) Mathematics and Statistics Discovery Program  | 12/2018 |
| 1. E-Rare Transnational research projects on hypothesis-driven use of multi-omic integrated approaches for discovery of diseases causes and/or functional validation in the context of rare diseases | 07/2018 |

### Journal Reviewer

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| 2. Associate Editor, <i>Biostatistics</i>  | 1/2019- |
| 1. Annals of Statistics, Australia New Zealand Journal of Statistics, Bioinformatics, Biometrics, BMC Bioinformatics, BMC Medical Research Methodology, The Canadian Journal of Statistics, Computational Statistics and Data Analysis, Hacettepe Journal of Mathematics and Statistics, Journal of the American Statistical Association, Journal of Multivariate Analysis, PLOS One, Science Reports, Statistica Sinica, Statistics, Statistics and Probability Letters, Statistics in Medicine, The American Statistician, The Canadian Journal of Statistics, Transportation Research Part A: Policy and Practice |         |

### External Reviewer

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| 3. Tenure and Promotion Referee, The University of Sydney                                      | 04/2019 |
| 2. Tenure and Promotion Referee, Le Moyne College  | 04/2016 |
| 1. Doctoral dissertation of Jinqing Li, Macquarie University, Statistics Department, Australia | 2014    |

### Conference/Workshop/Session Organization

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| 15. Regional Advisory Board Member, Eastern Northern American Region/International Biometric Society (ENAR)                                  | 2019-2021 |
| 14. Speaker, International Symposium on Forecasting Early Career Researcher  | 06/2019   |
| 13. Chair, American Statistical Association Biometrics Section Strategic Initiative, "Developing the next Generation of Biostatisticians"    | 2018-     |
| 12. Program Representative, Biometrics Eastern Northern American Region/International Biometric Society (ENAR), Atlanta, GA                  | 2017-2018 |
| 11. Co-Chair, American Statistical Association Biometrics Section Strategic Initiative, "Developing the next Generation of Biostatisticians" | 2016-2018 |
| 10. Conference Co-Organizer, "Measurement Error and Complex Data Workshop," Texas A&M University, College Station, TX                        | 04/2016   |

9. Organizer, Eastern Northern American Region/International Biometric Society (ENAR) Junior Researchers Workshop, Miami, FL 03/2015
  8. Judge, Student Paper Competition, Western Northern American Region/Institute of Mathematical Sciences, Boise, ID 06/2015
  7. Invited Session Organizer, "New directions for nonparametric methods in data science," International Society for Non-Parametric Statistics (ISNPS), Salerno, Italy 06/2018
  6. Invited Session Organizer, "Rich data visualizations for informative health care decisions," Eastern Northern American Region/International Biometric Society (ENAR), Atlanta, GA 03/2018
  5. Invited Session Organizer, "Dynamic modeling for timely health care decisions," Joint Statistical Meeting (JSM), Baltimore, MD 07/2017
  4. Invited Session Organizer, "Innovative Techniques Towards More Precise Modeling," 61st Brazilian Regional Meeting, Salvador, Brazil\* 05/2016
- \* *Cancelled due to Zika virus.*
3. Invited Session Organizer, "Innovative Techniques Towards Solving the Complexities of Biomarker Discovery," 2016 ENAR, Austin, TX 03/2016
  2. Invited Session Organizer, "Navigating Your Career for Success at the NSF Career Award," 2015 SACNAS National Conference, National Harbor, MD 10/2015
  1. Invited Session Organizer, "Recent Advances in Spatial Statistics Techniques and their Applications to Public Health and Biological Sciences," Western Northern American Region/Institute of Mathematical Sciences, Boise, ID 06/2015

**Service to the  
University**

Department of Statistics

11. Co-organizer, Conference on P-Values 2019
10. Member, MS Program Committee (including online MS) 2018-
9. Member, Undergraduate Committee (including online MS) 2018-
8. Panel Speaker, "Why I Chose the Post-Doc Route," Alliance for Graduate Education and the Professoriate (TAMUS AGE) Program 11/2017
7. Reviewer, Association of Former Students' College-Level Teaching Awards Committee 06/2010-05/2011
6. Panel Speaker, Advice on Graduate School Admittance, 5th Annual TAMUS LSAMP Symposium 02/2009

Department of Epidemiology and Biostatistics

5. Seminar Organizer
4. Member, Faculty Search Committee 2014-2015
3. Member, Admissions Committee 01/2013-08/2018

Texas A&M School of Public Health

2. Judge, Student Research Poster Competition at Public Health Week 2014-2018

## **Memberships**

American Statistical Association, ENAR, Institute of Mathematical Statistics, National Society of Collegiate Scholars, Phi Beta Kappa, Phi Kappa Phi, Society for Neuroscience

## **Skills**

C++, Fortran 77/90, L<sup>A</sup>T<sub>E</sub>X, Linux, MATLAB, R, Ruby, Stata.