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PROFESSIONAL APPOINTMENTS AND ACADEMIC EXPERIENCE

2025+	Jeremy M.G. Taylor Collegiate Professor
2024+	Chair
	Department of Biostatistics, School of Public Health
2018+	Professor (tenured)
	Department of Biostatistics, School of Public Health (primary)
	Gilbert S. Omenn Department of Computational Medicine and Bioinformatics (joint)
2024+	Associate Director , Quantitative Data Sciences
2025+	Rogel Scholar
2020-2025	Director , Cancer Data Science Shared Resource
	Rogel Cancer Center
	University of Michigan Medical School Rogel Cancer Center
2017 – 2018	Professor (tenured)
2012 – 2017	Associate Professor (tenured) Institute Faculty Scholar (2014-2017)
2005 – 2012	Assistant Professor (tenure-track)
	Department of Biostatistics
	The University of Texas M. D. Anderson Cancer Center, Houston, TX
2005 – 2018	Assistant/Associate/Full Professor (adjunct)
	Department of Statistics, Texas A&M and Rice University, TX
	Department of Biostatistics, UT School of Public Health, Houston, TX
2000 – 2005	Instructor, Graduate Research Assistant and Predoctoral trainee, Training Program in Bioinformatics, Dept. of Statistics, Texas A&M University

EDUCATION

2005	Ph.D., Statistics , Dept. of Statistics, Texas A&M University
	- Dissertation Topic: <i>Bayesian Methods in Bioinformatics</i> - Major Advisors: Raymond J. Carroll & Bani K. Mallick - Dean's Graduate Merit Scholarship; Graduate Endowment Fellowship
2000	M.A., Statistics , Dept. of Biostatistics, University of Rochester, Rochester, NY
1999	B.Sc. (Honors), Mathematics , Indian Institute of Technology (IIT), Kharagpur, India

VISITING/OTHER APPOINTMENTS

2010

Visiting Assistant Professor

School of Mathematics, Statistics & Actuarial Science

University of Kent, Canterbury, UK

Department of Statistics and Oxford Centre for Gene Function

University of Oxford, Oxford, UK

RESEARCH INTERESTS

THEORY AND METHODS: Artificial Intelligence; Bayes; big data, health data science, functional data, graphical models, integrative modeling, machine learning, nonlinear/nonparametric models, spatial data, statistical computing

APPLICATIONS: Cancer, spatial biology, high-throughput genomics, epigenomics, transcriptomics and proteomics, high-resolution neuro- and cancer- imaging, clinical trials, precision medicine

HONORS AND AWARDS

Zorich Lecturer, Texas A&M University, 2026

Rogel Scholar, Rogel Cancer Center, University of Michigan, 2025

Jeremy M. G. Taylor Collegiate Professorship, University of Michigan, 2025

Andrei Yakovlev Colloquium Speaker, University of Rochester, 2025

Fellow, American Association for Advancement in Science, 2022

[Young Alumni Achiever Award, Indian Institute of Technology, Kharagpur, 2020](#)

[Myrto Lefkopoulou Distinguished Lectureship, Harvard School of Public Health, 2019](#)

[H. O. Hartley Award, Dept. of Statistics, Texas A&M University, 2018](#)

[Annual Theodore G. Ostrom Lecturer, Washington State University, 2018](#)

Fellow, American Statistical Association, 2016

Elected Member, International Statistical Institute, 2016

Faculty Scholar Award, UT MD Anderson Cancer Center, 2014

Keynote Speaker, Genome Engineering for Cancer Treatment, Canberra, Australia, 2017

Young Researcher Award, International Indian Statistical Association, 2015

Highlighted newsworthy oral presentation at the Radiological Society of North America Annual Meetings, 2015

Selected participant, SAMSI Innovations Lab in Big Data and Precision Medicine, 2015

Biometrics Editor's Invited Paper, Joint Statistical Meetings, 2007

New Researchers Presentation, Ninth Case Studies in Bayesian Analysis Meeting, 2007

Best Graduate Student Presentation, Student Research Week, Texas A&M University, 2004

AUF Graduate Endowment Fellowship, Texas A&M University, 2003

Emanuel Parzen Graduate Research Fellowship Award, Texas A&M University, 2003.

R. L. Anderson Best Student Paper Award, SRCOS, 2003

Best Student Poster, Conference of Texas Statisticians, Texas A&M University, 2003

SPES Student Scholarship, Joint Statistical Meetings, Atlanta, 2001

Dean's Graduate Merit Scholarship, Texas A&M University, 2000

Mobile Aggie Merit Fellowship, Texas A&M University, 2000

Graduate Fellowship, University of Rochester, 1999

PROFESSIONAL MEMBERSHIPS

Fellow, American Association for the Advancement of Science (AAAS)

Fellow, American Statistical Association (ASA)

Elected Member, International Statistical Institute (ISI)

Institute of Mathematical Statistics (IMS)

International Biometric Society Eastern North American Region (ENAR)

International Society for Bayesian Analysis (ISBA)

International Indian Statistical Association (IISA)

BOOKS

1. Mallick, B. K., Gold, D. L. and **Baladandayuthapani, V.** (2009). Bayesian Methods for Gene Expression Data. Wiley, U.K.

PUBLICATIONS

*= student/postdoctoral trainee

2. **Baladandayuthapani, V.**, Mallick, B. K., and Carroll, R.J. (2005). Spatially adaptive Bayesian penalized regression splines (p-splines). *Journal of Computational and Graphical Statistics*, 14, 378-394. <https://doi.org/10.1198/106186005X47345>
3. Phadke, A. P., de la Concha-Bermejillo, A., Wolf, A. M., Andersen, P. R., **Baladandayuthapani, V.**, and Collison, E. W. (2006). Pathogenesis of a Texas feline immunodeficiency virus isolate: an emerging subtype of clade b, *Veterinary Microbiology*, 115, 64-76. <https://doi.org/10.1016/j.vetmic.2006.02.012>
4. Nehete, P. N., Nehete, B. P., Hill, L., Manuri, P. R., **Baladandayuthapani, V.**, Feng, L., Simmons, J., and Sastry, K. J. (2007) Selective induction of cell-mediated immunity by prophylactic vaccination with a conserved HIV-1 envelope peptide-cocktail for protection of rhesus macaques from chronic SHIVKU2 infection. *Virology*, 370(1):130-41. <https://doi.org/10.1016/j.virol.2007.08.022>
5. Aggrawal, B. B., Sethi, G., **Baladandayuthapani, V.**, Krishnan, S., and Sishodia, S. Targeting cell signaling pathways for drug discovery: an old lock needs a new key (2007). *Journal of Cellular Biochemistry*, 102(3):580-92. <https://doi.org/10.1002/jcb.21500>
6. **Baladandayuthapani, V.**, Mallick, B. K., Hong, M. Y., Lupton, J. R., Turner, N. D. and Carroll, R. J. (2008). Bayesian hierarchical spatially correlated functional data analysis with application to colon carcinogenesis. *Biometrics*. 64, 64-73 [**Biometrics Editor's Invited Paper for JSM 2007**]. <https://doi.org/10.1111/j.1541-0420.2007.00846.x>
7. Hong, M. Y., **Baladandayuthapani, V.**, Li, Y., Carroll, R. J., Turner, N. D., and Lupton, J. R. (2008) Coordinated p27 Kip1 expression as a function of distance between crypts - potential inter-crypt signaling. *The FASEB Journal*, 22:865.4.
8. Zhang, N., Ge, G., Meye, R., Sethi, S., Basu, D., Pradhan, S., Zhao, Y.J., Li, X.N., Cai, W. W., El-Naggar, K. A., **Baladandayuthapani, V.**, Kittrell, F. S., Rao, P. H., Medina, D., and Pati, D. (2008). Overexpression of Separase induces aneuploidy and mammary tumorigenesis. *Proceedings of National Academy of Sciences, USA* 105(35):13033-8. <https://doi.org/10.1073/pnas.080161010>
9. Nanda, U., Eisen, S. J., and **Baladandayuthapani, V.** (2008) Undertaking an art-survey to compare patient vs. student art preferences. *Journal of Environment Behavior*, 40, 269-301. <https://doi.org/10.1177/0013916507311>
10. Wang J., Xu, J., and **Baladandayuthapani, V.** (2009) Contrast sensitivity of digital imaging display systems: contrast threshold dependency on object type and implications for monitor quality assurance and quality control in PACS. *Medical Physics*, 36(8) 3682-3292. <https://doi.org/10.1118/1.3173816>
11. Zhou L., Huang J. Z., Martinez J. G., Maity A., **Baladandayuthapani, V.** and Carroll R. J. (2010) Reduced rank mixed effects models for spatially correlated hierarchical functional data. *Journal of the*

- American Statistical Association*, 105 (49) 390-400. <https://doi.org/10.1198/jasa.2010.tm08737>
12. **Baladandayuthapani, V.**, Ji. Y., Talluri, R., Nieto-Barajas, L. E. and Morris J. S. (2010) Bayesian Random Segmentation Models to Identify Shared Copy Number Aberrations for Array CGH Data. *Journal of American Statistical Association* 105(492): 1358-1375. <https://doi.org/10.1198/jasa.2010.ap09250>
 13. Morris J. S., **Baladandayuthapani, V.**, Herrick R. C. and Gutstein H. Automated functional mixed models and isomorphic basis-space modeling, with application to proteomics data. *Annals of Applied Statistics* 5(2A):894-923. <https://doi.org/10.1214/10-AOAS407>
 14. Lin, Y.X., **Baladandayuthapani, V.**, Bonato, V., and Do, K.A. (2010) Estimating shared copy number aberrations for array CGH data: the linear-median method. *Cancer Informatics*, 9 229-249. <https://doi.org/10.4137/CIN.S5614>
 15. Navas, M.*, Ordonez C., and **Baladandayuthapani, V.** (2010) On the computation of stochastic search variable selection in linear regression with UDFs. *Proc. IEEE ICDM Conference*, p. 941-946, 2010. 941-946. <https://doi.org/10.1109/ICDM.2010.79>
 16. Navas, M.*, Ordonez C. and **Baladandayuthapani, V.** (2011) Fast PCA and Bayesian variable selection for large data sets based on SQL and UDFs. *Proc. ACM KDD Workshop on Large-scale Data Mining: Theory and Applications (LDMTA, KDD Conference Workshop)*
 17. Bonato V.*, **Baladandayuthapani, V.**, Broom, B. M., Sulman E. P., Aldape K. D and Do, K.A. (2010) Bayesian ensemble methods for survival prediction in gene expression data. *Bioinformatics*, 27(3):359-67. <https://doi.org/10.1093/bioinformatics/btq660>
 18. Jones, R. J., **Baladandayuthapani, V.**, Neelapu, S., Sharma, R., Fayad, L., Romaguera, J. E., Wang, M., Yang, D. and Orlowski, R. Z. (2011) HDM-2 inhibition suppresses expression of ribonucleotide reductase subunit M2, and synergistically enhances gemcitabine-induced cytotoxicity in mantle cell lymphoma. *Blood*, 118(15): 4140-9. <https://doi.org/10.1182/blood-2011-03-340323>
 19. Thompson, P. A., Brewster A., Broom B., Do, K. A., **Baladandayuthapani, V.**, Edgerton, M., Hahn, K., Murray, J., Sahin, A., Tsavachidis, S., Wang, Y., Zhang, L., Hortobagyi, G., Mills, G. and Bondy, M. (2011) Selective genomic copy number imbalances and probability of recurrence in early- stage breast cancer. *PLos One*, 6(8): e23543. <https://doi.org/10.1371/journal.pone.0023543>
 20. Zheng, Y., Yang, J., Qian, J., Zhang, L., Lu, Y., Li, H., Lan, Y., Liu, Z., He, J., Hong, S., Thomas, S., Shah, J., **Baladandayuthapani, V.**, Kwak, L. W., and Yi. Q. (2012) Novel phosphatidylinositol 3-kinase inhibitor NVP-BKM120 induces apoptosis in myeloma cells and shows synergistic anti-myeloma activity with dexamethasone. *Journal of Molecular Medicine*, 90(6): 695-706. <https://doi.org/10.1007/s00109-011-0849-9>
 21. Hrafnkelsson, B., Morris J. S., and **Baladandayuthapani, V.** Spatial modeling of annual minimum and maximum temperature in Iceland. *Meteorology and Atmospheric Physics*, 116: 43-61.
 22. Garrett, C. R., Hassabo, M. H., Bhadkamkar, N. A., Wen, S., **Baladandayuthapani, V.**, Kee, K. K., and Hassan, M. H. (2012) Survival advantage observed with the use of metformin in patients with type II diabetes and colorectal cancer. *British Journal of Cancer*, 106(8): 1374-1378. <https://doi.org/10.1038/bjc.2012.71>
 23. Garrett, C.R., George, B., Viswanathan, C., Bhadkamkar, N.A., Wen, S., **Baladandayuthapani, V.**, You, Y.N., Kopetz, E.S., Overman, M.J., Kee, B.K., and Eng, C. (2012) Survival benefit associated with surgical oophorectomy in patients with colorectal cancer metastatic to the ovary. *Clinical*

- Colorectal Cancer*, 11(3) 191-4. <https://doi.org/10.1016/j.clcc.2011.12.003>
24. Prasad, S., Yadav, V.R., Sung, B., Reuter, S., Kannappan, R., Deorukhkar, A., Diagaradjane, P., Wei, C., **Baladandayuthapani, V.**, Krishnan, S., Guha, S., and Aggarwal, B.B. (2012) Ursolic acid inhibits growth and metastasis of human colorectal cancer in an orthotopic nude mouse model by targeting multiple cell signaling pathways: chemosensitization with capecitabine. *Clinical Cancer Research*, 18(18): 4942-53. <https://doi.org/10.1158/1078-0432.ccr-11-2805>
 25. Jones, R.J., Bjorklund, C.C., **Baladandayuthapani, V.**, Kuhn, D.J. and Orlowski, R.Z. (2012) Drug resistance to inhibitors of the human double minute-2 E3 ligase is mediated by point mutations of p53, but can be overcome with the p53 targeting agent RITA. *Molecular Cancer Therapy*, 11(10): 2243-53. <https://doi.org/10.1158/1535-7163.mct-12-0135>
 26. Kuhn, D.J., Berkova, Z., Jones, R.J., Woessner, R., Bjorklund, C.C., Ma, W., Davis, R.E., Lin, P., Wang, H., Madden, T.L., Wei, C., **Baladandayuthapani, V.**, Wang, M., Thomas, S.K., Shah, J.J., Weber, D.M. and Orlowski, R.Z. (2012) Targeting the insulin-like growth factor-1 receptor to overcome bortezomib resistance in preclinical models of multiple myeloma. *Blood*, 120(16): 3260-3270. <https://doi.org/10.1182/blood-2011-10-386789>
 27. Garcia-Alvarado, C.*, Ordonez, C., and **Baladandayuthapani, V.** (2012) Querying external source code files of programs connecting to a relational database. *Proc. ACM Ph.D. Workshop on Information and Knowledge Management (PIKM, CIKM Conference Workshop)*.
 28. Jennings, E.*, Morris, J.S., Carroll, R., Manyam G, and **Baladandayuthapani, V.** (2012) Hierarchical Bayesian methods for integration of various types of genomics data. *IEEE International Workshop on Genomic Signal Processing and Statistics, GENSIPS*. <https://doi.org/10.1109/GENSIPS.2012.6507713>
 29. Gregory, K.*, Coombes, K.R.C, Momin, A, Girard, L., Byers, L., Lin, S., Peyton, M., Heymach, J., Minna, J., and **Baladandayuthapani, V.** (2012) Latent feature decompositions for integrative analysis of diverse high-throughput genomic data. *IEEE International Workshop on Genomic Signal Processing and Statistics, GENSIPS*.
 30. Srivastava, S.*, Wang, W., Zinn, P., Colen R., and **Baladandayuthapani, V.** (2012) Multi-platform genomic data using hierarchical Bayesian relevance vector machines *IEEE International Workshop on Genomic Signal Processing and Statistics, GENSIPS*.
 31. Lu, C., Stewart, D.J., Lee, J.J., Ji, L., Ramesh, R., Jayachandran, G., Nunez, M.I., Wistuba, I.I., Erasmus, J.J., Hicks, M.E., Grimm, E.A., Reuben, J.M., **Baladandayuthapani, V.**, Templeton, N.S., McMannis, J.D., and Roth, J.A. (2012) Phase I clinical trial of systemically administered TUSC2(FUS1)-nanoparticles mediating functional gene transfer in humans. *PLoS One*, 7(4): e34833. <https://doi.org/10.1371/journal.pone.0034833>
 32. Wang, W.*, **Baladandayuthapani, V.****, Morris, J.S., Broom, B.M., Manyam, G., and Do, K.A. (2012) iBAG: integrative Bayesian analysis of high-dimensional multiplatform genomics data. *Bioinformatics*, 29(2): 149-159. <https://doi.org/10.1093/bioinformatics/bts655>
 33. Rawal, S., Chu, F., Zhang, M., Park, H.J., Nattamai, D., Kannan, S., Sharma, R., Delgado, D., Chou, T., Lin, H.Y., **Baladandayuthapani, V.**, Luong, A., Vega, F., Fowler, N., Dong C., Davis, R.E. and Neelapu, S.S. (2013) Cross talk between follicular Th cells and tumor cells in human follicular lymphoma promotes immune evasion in the tumor microenvironment. *Journal of Immunology*, 190(12): 6681-93. <https://doi.org/10.4049/jimmunol.1201363>
 34. Ordonez, C., Garcia, J., Garcia-Alvarado, C., Cabrera, W., **Baladandayuthapani, V.**, and Quraishi, Q. (2013) Data mining algorithms as a service in the cloud exploiting relational database systems *Proc.*

ACM SIGMOD Conference.

35. Pemmaraju, N., Tanaka, M.F., Ravandi, F., Lin, H., **Baladandayuthapani, V.**, Rondon, G., Giralt, S.A., Chen, J., Pierce, S., Cortes, J., Kantarjian, H., Champlin, R.E., De Lima, M., and Qazilbash, M.H. (2013) Outcomes in patients with relapsed or refractory acute promyelocytic leukemia treated with or without autologous or allogeneic hematopoietic stem cell transplantation. *Clinical Lymphoma, Myeloma and Leukemia* 13(4):485-92. <https://doi.org/10.1016/j.clml.2013.02.023>
36. Matusевич, D.*, Ordonez, C., and **Baladandayuthapani, V.** (2013) A fast convergence clustering algorithm merging MCMC and EM methods. *Proc. ACM CIKM Conference.*
37. Cabrera, W.*, Ordonez, C., Matusевич, D. S., and **Baladandayuthapani, V.** (2013) Bayesian variable selection for linear regression in high dimensional microarray data. *Proc. ACM DTMBIO Workshop (CIKM Conference Workshop).*
38. Olivares, R.*, Rao, A., Rao, G., Morris, J. S. and **Baladandayuthapani, V.** (2013) Integrative analysis of multi-modal correlated imaging-genomics data in glioblastoma. *IEEE Genomic Signal Processing and Statistics (GENSIPS)*. <https://doi.org/10.1109/GENSIPS.2013.6735914>
39. Bhadra, A. and **Baladandayuthapani, V.** (2013) Integrative sparse Bayesian analysis of high-dimensional multi-platform genomic data in glioblastoma. *IEEE Genomic Signal Processing and Statistics*. <https://doi.org/10.1109/GENSIPS.2013.6735913>
40. Jennings, E.M.*, Morris, J.S., Carroll, R.J., Manyam, G.C., and **Baladandayuthapani, V.** (2013) Bayesian methods for expression-based integration of various types of genomics data. *EURASIP Journal on Bioinformatics and Systems Biology*, 2013(1): 13. <https://doi.org/10.1186/1687-4153-2013-13>
41. Srivastava, S.*, Wang, W., Manyam, G., Ordonez, C., and **Baladandayuthapani, V.** (2013) Integrating multi- platform genomic data using hierarchical Bayesian relevance vector machines. *EURASIP Journal on Bioinformatics and Systems Biology*, 2013(1): 9. <https://doi.org/10.1186/1687-4153-2013-9>
42. Wang, W.*, **Baladandayuthapani, V.****, Holmes, C.C., and Do, K.A. (2013) Integrative network-based Bayesian analysis of diverse genomics data. *BMC Bioinformatics*, 14 Suppl 13:S8. <https://doi.org/10.1186/1471-2105-14-s13-s8>
43. Phillip, C.J., Zaman, S., Shentu, S., Balakrishnan, K., Zhang, J., **Baladandayuthapani, V.**, Taverna, P., Redkar, S., Wang, M., Stellrecht, C.M., and Gandhi, V. (2013) Targeting MET kinase with the small-molecule inhibitor amuvatinib induces cytotoxicity in primary myeloma cells and cell lines. *Journal of Hematology and Oncology*, Dec 10, 6:92. <https://doi.org/10.1186/1756-8722-6-92>
44. Talluri, R.*, **Baladandayuthapani, V.**, and Mallick, B.K. (2014) Bayesian sparse graphical models and their mixtures. *STAT*, 3(1): 109-125. <https://doi.org/10.1002/sta4.49>
45. Bailey, A.M., Zhan, L., Maru, D., Shureiqi, I., Pickering, C.R., Kiriakova, G., Izzo, J., He, N., Wei, C., **Baladandayuthapani, V.**, Liang, H., Kopetz, S., Powis, G., and Guo, G.L. (2014) FXR silencing in human colon cancer by DNA methylation and KRAS signaling. *American Journal of Physiology, Gastrointestinal and Liver Physiology*, 306(1): G48-58. <https://doi.org/10.1152/ajpgi.00234.2013>
46. Westin, J.R., Chu, F., Zhang, M., Fayad, L.E., Kwak L.W., Fowler, N., Romaguera, J., Hagemeister, F., Fanale, M., Samaniego, F., Feng, L., **Baladandayuthapani, V.**, Wang, Z., Ma, W., Gao, Y., Wallace, M., Vence, L.M., Radvanyi, L., Muzzafar, T., Rotem-Yehudar, R., Davis, R.E., and Neelapu, S.S. (2014) Safety and activity of PD1 blockade by pidilizumab in combination with rituximab in patients with relapsed follicular lymphoma: a single group, open-label, phase 2 trial. *Lancet Oncology*, 15(1):

- 69-77. [https://doi.org/10.1016/s1470-2045\(13\)70551-5](https://doi.org/10.1016/s1470-2045(13)70551-5)
47. Ajani, J.A., Wang, X., Song, S., Suzuki, A., Taketa, T., Sudo, K., Wadhwa, R., Hofstetter, W.L., Komaki, R., Maru, D.M., Lee, J.H., Bhutani, M.S., Weston, B., **Baladandayuthapani, V.**, Yao, Y., Honjo, S., Scott, A.W., Skinner, H.D., Johnson, R.L., and Berry, D. (2013) ALDH-1 expression levels predict response or resistance to preoperative chemoradiation in resectable esophageal cancer patients. *Molecular Oncology*, 8(1): 142-9. <https://doi.org/10.1016/j.molonc.2013.10.007>
 48. Bjorklund C.C., **Baladandayuthapani, V.**, Lin, H.Y., Jones, R.J., Kuitse, I., Wang, H., Yang, J., Shah, J.J., Thomas, S.K., Wang, M., Weber, D.M., and Orlowski, R.Z. (2013) Evidence of a role for CD44 and cell adhesion in mediating resistance to lenalidomide in multiple myeloma: therapeutic implications. *Leukemia*, 28: 373-383. <https://doi.org/10.1038/leu.2013.174>
 49. Zhang, L.*, **Baladandayuthapani, V.****, Mallick, B. K., Thompson, P. A., Bond, M. L., and Do, K. A. (2014) Bayesian hierarchical structured variable selection methods with application to MIP studies in breast cancer. *Journal of Royal Statistical Society, Series C*, 63(4): 595-620. <https://doi.org/10.1111/rssc.12053> [Winner of SBSS best student paper award]
 50. Gregory, K.*, Coombes, K.R.C, Momin, A. and **Baladandayuthapani, V.**(2014) Latent feature decompositions for integrative analysis of diverse high-throughput genomic data. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, 11(6):984-94. <https://doi.org/10.1109/GENSIPS.2012.6507746>
 51. El-Mabhouh, A.A., Ayres, M.L., Shpall, E.J., **Baladandayuthapani, V.**, Keating, M.J., Wierda, W.G., Gandhi, V. (2014) Evaluation of bendamustine in combination with fludarabine in primary chronic lymphocytic leukemia cells. *Blood*, 123(23): 3780-9. <https://doi.org/10.1182/blood-2013-12-541433>
 52. Pemmaraju, N., Shah, D., Kantarjian, H., Orlowski R.Z., Nogueras Gonzalez G.M., **Baladandayuthapani, V.**, Jain, N., Wagner, V., Garcia-Manero, G., Shah, J., Ravandi, F., Pierce, S., Takahashi, K., Daver, N., Nazha, A., Verstovsek, S., Jabbour, E., De Lima, M., Champlin, R., Cortes, J. and Qazilbash, M.H. (2014) Characteristics and outcomes of patients with multiple myeloma who develop therapy-related myelodysplastic syndrome, chronic myelomonocytic leukemia, or acute myeloid leukemia. *Clinical Lymphoma, Myeloma and Leukemia*, 15(2): 110-4. <https://doi.org/10.1016/j.clml.2014.07.001>
 53. Wu, W., Merriman, K., Nabaah, A., Seval, N., Seval, D., Lin, H., Wang, M., Qazilbash, M.H., **Baladandayuthapani, V.**, Berry, D., Orlowski, R.Z., Lee, M.H. and Yeung, S.C. (2014) The association of diabetes and anti-diabetic medications with clinical outcomes in multiple myeloma. *British Journal of Cancer*, 111(3): 628-36. <https://doi.org/10.1038/bjc.2014.307>
 54. Nute, J.L., Le Roux, L., Chandler, A.G., **Baladandayuthapani, V.**, Schellingerhout, D., and Cody, D.D. (2014) Differentiation of low-attenuation intracranial hemorrhage and calcification using dual-energy computed tomography in a phantom system. *Investigative Radiology*, 50(1): 9-16. <https://doi.org/10.1097/rli.0000000000000089>
 55. Fowler, N.H., Davis, R.E., Rawal, S., Nastoupil, L., Hagemeister, F.B., McLaughlin, P., Kwak, L.W., Romaguera, J.E., Fanale, M.A., Fayad, L.E., Westin, J.R., Shah, J., Orlowski, R.Z., Wang, M., Turturro, F., Oki, Y., Claret, L.C., Feng, L., **Baladandayuthapani, V.**, Muzzafar, T., Tsai, K.Y., Samaniego, F., and Neelapu, S.S. (2014). Safety and activity of lenalidomide and rituximab in untreated indolent lymphoma: an open-label, phase 2 trial. *Lancet Oncology*, 15(12): 1311-8. [https://doi.org/10.1016/s1470-2045\(14\)70455-3](https://doi.org/10.1016/s1470-2045(14)70455-3)
 56. Voo, K.S., Foglietta, M., Percivalle, E., Chu, F., Nattamai, D., Harline, M., Lee, S.T., Bover, L., Lin, H.Y., **Baladandayuthapani, V.**, Delgado, D., Luong, A., Davis, R.E., Kwak, L.W., Liu, Y.J., and Neelapu, S.S. (2014) Selective targeting of Toll-like receptors and OX40 inhibit regulatory T-cell function in follicular lymphoma. *International Journal of Cancer*, 135(12): 2834-46.

<https://doi.org/10.1002/ijc.28937>

57. Guha S., Ji, Y., and **Baladandayuthapani, V.** (2014) Bayesian disease classification using copy number data. *Cancer Informatics*, 13(Suppl 2): 83-91. <https://doi.org/10.4137/cin.s13785>
58. Ni, Y.*, Stingo, F.C., and **Baladandayuthapani, V.** (2014) Integrative Bayesian network analysis of genomic data. *Cancer Informatics*, 13 (Suppl 2): 39-48. <https://doi.org/10.4137/cin.s13786>
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140. Ni, Y., **Baladandayuthapani, V.**, Vannucci, M. and Stingo F. C. (2022). Rejoinder to the discussion of “Bayesian graphical models for modern biological applications” *Statistical Methods & Applications*. <https://link.springer.com/article/10.1007/s10260-022-00634-5>
141. Bhattacharyya, R., Banerjee S., Mohammed S. and **Baladandayuthapani, V.** (2022+). Spatial network-based modeling of COVID-19 dynamics: early pandemic spread in India. *Journal of Indian Statistical Association*
142. Das, P.**, Peterson, C., Ni. Y., Rueben. A., Zhang. J., Do, K., and **Baladandayuthapani, V.** (2022+) Bayesian hierarchical quantile regression with application to characterizing the immune architecture of lung cancer. *Biometrics*. <https://doi.org/10.1111/biom.13774>
143. Panigrahi, S., Mohammed, S.**, Rao, A. and **Baladandayuthapani, V.** (2022+) Integrative Bayesian models using post-selective inference: a case study in radiogenomics. *Biometrics* <https://doi.org/10.1111/biom.13740>
144. Yao, T-H*, Wu Z., Bharath, K., Li, J. and **Baladandayuthapani, V.** (2022+). Probabilistic learning of treatment trees in cancer. *Annals of Applied Statistics*. <https://doi.org/10.1214/22-AOAS1696>
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INVITED EDITORIALS

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statistical analysis of cancer data (a). (2014) *Cancer Informatics*, 13(Supple 2): 1-3.

BOOK CHAPTERS

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172. **Baladandayuthapani, V.**, Holmes, C. C., Mallick, B. K. and Carroll, R. J. (2006). Modeling Nonlinear Gene Interactions using Bayesian MARS. In Do K. A., Müller P. and Vannucci M. (eds.) *Bayesian Inference for Gene Expression and Proteomics*. Cambridge University Press.
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174. Wang, W*. **Baladandayuthapani, V.**, Holmes, C. C. and Do, K-A. (2013) Bayesian graphical models for integrating multiplatform genomics data. In: *Advances in Statistical Bioinformatics: Models and Integrative Inference for High-Throughput Data*.
175. **Baladandayuthapani, V.**, Wang X, Mallick BK, Do K-A. (2014). Bayesian functional mixed models for survival responses with application to prostate cancer. In: *Recent Advances in Applied Statistics: Selected Papers from the 2013 ICSA Applied Statistics Symposium*.
176. Jennings EM*, Morris JS, Manyam G, Carroll R J., **Baladandayuthapani, V.** (2015) Bayesian models for flexible integrative analysis of multi-platform genomics data. In: *Integrating omics data: statistical and computational methods* (in press)
177. Ni, Y*, Marcetti, G, **Baladandayuthapani, V.** and Stingo, F. C. (2015) Bayesian approaches for large biological networks. In *Nonparametric Bayesian Inference in Biostatistics*. Editors: Peter Mueller and Riten Mitra
178. Guha, S, Banerjee, S*, Gu, C, and **Baladandayuthapani, V.** (2015) Nonparametric Variable Selection, Clustering and Prediction for Large Biological Datasets In *Nonparametric Bayesian Inference in Biostatistics*. Editors: Peter Mueller and Riten Mitra

SELECTED PREPRINTS

1. Zhang L., **Baladandayuthapani, V.** and Morris, J.S. Bayesian functional graphical models. *Journal of American Statistical Association* (under second revision)
2. Sagar, K., Ni, Y., **Baladandayuthapani, V.** and Bhadra, A. Individualized Inference using Bayesian Quantile Directed Acyclic Graphical Models. *Bayesian Analyses* (under revision) [arXiv:2210.08096](https://arxiv.org/abs/2210.08096)
3. Yao, T*, Wu, Z., Bharath, K., **Baladandayuthapani, V.** Geometry-driven Bayesian Inference for Ultrametric Covariance Matrices. <https://doi.org/10.48550/arXiv.2401.11515> *Journal of American Statistical Association* (under review)
4. Osher N*, Kang J., and **Baladandayuthapani, V.** Spatially Structured Regression for Non-conformable Spaces: Integrating Pathology Imaging and Genomics Data in Cancer *Annals of Applied Statistics* (under revision)
5. Acharyya, S*, Kang J. and **Baladandayuthapani, V.** Spatially varying graph estimation for spatial transcriptomics cancer data. *Annals of Applied Statistics* (under revision) <https://www.biorxiv.org/content/10.1101/2025.05.04.652097v1>

GRANT SUPPORT (CURRENT/FUNDED)

1. **Principal Investigator** (MPI with J. Morris), Bayesian Network-Based Integrative Genomics Methods for Precision Medicine, National Institutes of Health, R01 CA 244845, 2/1/2021-1/31/2026
2. **Principal Investigator** (MPI with J.M.G. Taylor and K. Kidwell). [Cancer Biostatistics Training Program](#). NCI T32, 8/1/2024-7/31/2029
3. **Core Director**, Cancer Data Sciences Shared Resource, Cancer Center Support Grant, National Institutes of Health (PI: Eric Fearon) P30 CA 046592, 6/01/2023 - 5/31/2028
4. **Core Director**, Data Analyses Core, Genetics and Genomics of Leiomyosarcoma (LMS): Improved Understanding of Cancer Biology and New Approaches to Diagnosis and Treatment, National Institutes of Health, PI: Laurence Baker, Scott Schuetze, P50 CA 272170, 7/2022-6/2027
5. **Co-Investigator**, ALOX15 Regulation of Colon Cancer Invasiveness via P13P-Linoleic Acid Metabolism, National Institutes of Health (PI: Imad Shureiqi) R01 CA 266223, 9/2021-8/2026
6. **Co-Investigator**, Michigan Center for Translational Cancer Proteogenomics, National Institutes of Health, PI: Arul Chinnaiyan, Saravana Dhanasekaran, Alexey Nesvizhskii, U24 CA 271037, 4/2022-3/2027
7. **Co-Investigator**, PPARD hyperactivation promotes pancreatic intraepithelial neoplasia progression into pancreatic ductal adenocarcinoma, National Institutes of Health (PI: Imad Shureiqi) 02/2024-01/2029

GRANT SUPPORT (COMPLETED IN LAST 3 YEARS)

8. **Co-Investigator**, PARTNERSHIP: Developing a Dietary Approach in the Management of Inflammatory Bowel Disease, USDA, PI: Grace Chen, USDA-NIFA-AFRI-007692, 1/2022-12/2024
9. **Co-Investigator**, 2018.050 IMPACT: Immunotherapy in Patients with Metastatic Cancers and CDK12 Mutations, Bristol-Myers Squibb, (PI: Ajjai Alva), CA209-8JJ, 8/2018-7/2023
10. **Co-Investigator**, 2017.053 UM/BTCRC/AZ/Astex, Hoosier Cancer Foundation, (PI: Ajjai Alva) BTCRCGU 16043, 1/2018-1/2023
11. **Principal Investigator**, Collaborative Research: New Bayesian Nonparametric Paradigms of Personalized Medicine for Lung Cancer, National Science Foundation, 13-570, 9/2015-8/2021
12. **Principal Investigator**, (MPI with MJ Ha), Proteomic-based Integrated Subject-Specific Networks in Cancer, National Institutes of Health/National Cancer Institute, R21, 4/2018- 5/2021
13. **Principal Investigator**, (MPI with Bani Mallick) Bayesian Graphical Models for Integration of Omics Data, R01 CA194391-01, National Institutes of Health/National Cancer Institute, 12/2015-11/2021
14. **Co-Investigator**, Bayesian Methods for Complex, High Dimensional Functional Data in Cancer Research, R01 CA 178744, National Institutes of Health/National Cancer Institute, (PI: Jeffrey Morris), 9/2015-8/2020

RESEARCH ADVISING/MENTORING

• Junior Faculty

- Francesco C Stingo, Associate Professor of Statistics, University of Florence
- Brian P Hobbs, Associate Professor of Biostatistics, UT MD Anderson Cancer Center
- Arvind U Rao, Assistant Professor of Bioinformatics and Computational Biology, UT MD Anderson Cancer Center (now at University of Michigan)
- Karthik Bharath, Dept of Statistics, University of Nottingham
- Anindya Bhadra, Dept. of Statistics, Purdue University
- Min Jin Ha, Assistant Professor of Biostatistics, UT MD Anderson Cancer Center
- Christine B Peterson, Assistant Professor of Biostatistics, UT MD Anderson Cancer Center
- Zhenke Wu, Assistant Professor of Biostatistics, University of Michigan
- Maria Masotti, Research Assistant Professor of Biostatistics, University of Michigan
- Andrew Whiteman, Research Assistant Professor of Biostatistics, University of Michigan

• Postdoctoral Researchers

- David Rossell Ribera, 2006-2007, (with V. E. Johnson), Current position: Ramón y Cajal Fellow at Universitat Pompeu Fabra
- Suprateek Kundu, 2012-2014, (with B. K. Mallick), First position: Assistant Professor, Dept. of Biostatistics, Emory University; Current position: Associate Professor, Dept. of Biostatistics, UT MD Anderson Cancer Center
- Wenting Wang, 2010 - 2013 (with K-A. Do), Current position: Biostatistician, Biogen Inc.
- Lin Zhang, 2012-2015 (joint with J.S. Morris), Current position: Associate Professor, Dept. of Biostatistics, University of Minnesota
- Bruce Bugbee, 2014 – 2015 (with Jeffrey S. Morris) Current position: Computational Statistician, National Renewable Energy Laboratory, Colorado
- Sayantan Banerjee, 2014 – 2016 Current position: Assistant Professor, Indian Institute of Management, Indore.
- Min Jin Ha, 2013 – 2016 (with K-A. Do) First position: Assistant Professor of Biostatistics, UT MD Anderson Cancer Center; Current position: Associate Professor Graduate School of Public Health, Yonsei University
- Priyam Das, 2017 – 2019 (with C. Peterson and K-A. Do), Current Position: Assistant Professor, Virginia Commonwealth University
- Hojin Yang, 2016 – 2019 (with J. S. Morris) Current Position: Assistant Professor, Pusan National University
- Abhishek Saha 2016 – 2019, Current Position: Research Fellow, National Institutes of Health
- Shariq Mohammed, 2018 – 2021 (with Arvind Rao) **UM Precision Health Scholar**. Current position: Assistant Professor, Boston University
- Moumita Chakraborty, 2019 – 2022 (with M. J. Ha) Current Position: Assistant Professor, The University of Texas Medical Branch, Galveston
- Satwik Acharyya, 2020 –2024. Winner of Early Career Paper Award, Biometrics Section, 2022. Current Position: Assistant Professor, University of Alabama, Birmingham.
- Junsouk Choi, 2023 – 2025 Current Position: Assistant Professor, Korea University.

• Ph.D. Students (as primary advisor/co-advisor)

- Rajesh Talluri (Ph.D. 2011) Texas A&M University (joint with Bani K. Mallick) Current position: Assistant Professor, Department of Data Science. University of Mississippi Medical Center
- Lin Zhang (Phd 2012) Texas A&M University (joint with Bani K Mallick) **winner of SBSS best paper award 2012** Current position: Associate Professor, Dept. of Biostatistics, University of Minnesota
- Yang Ni (Phd 2015), Rice University (joint with Francesco Stingo) **Winner of Laplace Award**

2014; Boyd Harshbarger Travel Award; Jiann-Ping Hsu Pharmaceutical and Regulatory Sciences Award; Young Investigator Travel Award, G70 Conference; Current position: Associate Professor, Department of Statistics, Texas A&M University

- Shabnam Azadeh (PhD 2015) UT School of Public Health (with Brian P Hobbs) Current position: FDA; **Selected for RSNA Oral Presentation**
- Elizabeth Jennings (PhD, 2015) Texas A&M University (with Jeffrey S Morris and Raymond J. Carroll). Current position: Teaching Assistant Professor, Department of Statistics, Rice University
- Soyeon Kim (PhD, 2015), Rice University (with J Jack Lee). Current position: Post-doctoral Fellow, University of Pittsburgh **Winner of ASA Statistics and Data Mining Student Paper Competition**
- Youyi Zhang (PhD, 2018) GSBS (with J. S. Morris) Current position: Senior Data Scientist, Johnson & Johnson **Winner of ASA Statistics in Imaging Student Paper Competition**
- Neel Desai, Rice University (PhD 2021; with J.S. Morris). Current position: Postdoctoral Fellow, University of Pennsylvania
- Rupam Bhattacharya (PhD 2023; with N. Henderson), University of Michigan. Current position: Postdoctoral Fellow, University of Michigan Medical School (with Arul Chinnayan)
- Tsung-Hung Yao (PhD 2023; with Z. Wu), University of Michigan. Current position: Postdoctoral Fellow, UT MD Anderson Cancer Center.
- Nathaniel Osher (PhD 2025; with Jian Kang), University of Michigan; Current position: Biostatistician, Servier Pharmaceuticals **Distinguished student paper award – American Statistical Association (Section on Statistical Genomics and Genetics)**
- Liying Chen (2020+), University of Michigan. **ENAR Distinguished Paper Award**
- Qingzhi Liu (2020+), University of Michigan; co-advised with Gen Li. **ENAR Distinguished Paper Award**
- Jessica Aldous (2023+) University of Michigan; co-advised with Michele Peruzzi
- Grant Carr (2023+) University of Michigan; co-advised with Jian Kang
- Maria Murphy (2024+) University of Michigan; co-advised with Dylan Cable
- Stefan Eng (2025+) University of Michigan; co-advised with Jean Morrison

- **Ph.D. Students (as external collaborator)**

- Karthik Bharath, 2011-2014, Department of Statistics, University of Connecticut, Currently Assistant Professor, Department of Statistics, Nottingham University.
- Adrian Coles, 2012-2015, Dept. of Statistics, North Carolina State University
- Clemontina A. Davenport, 2013-2014, Dept. of Statistics, North Carolina State University
- Sanvesh Srivastava, 2012-2015, Dept of Statistics, Purdue University; Currently Assistant Professor, University of Iowa
- Karl Gregory, 2012-2015, Dept. of Statistics, Texas A & M University; currently Assistant Professor, University of South Carolina
- Chiyu Gu 2015-2018, Dept. of Statistics, University of Missouri
- Carlos Zanini, 2018-present, Dept. of Statistics and Data Sciences, UT Austin

- **Masters Students Supervision**

- Vinicius Bonato (M.S. 2010) Graduate School of Biomedical Sciences (joint advisor with Kim-ahn Do)
- Lori Jackson (M.S. 2007) UT Graduate School of Biomedical Sciences
- Sunyi Chi, University of Michigan
- Liying Chen, University of Michigan
- Qingzhi Liu, University of Michigan
- Kirrill Sabitov, University of Michigan
- Justice Akuoko-Frimpong, University of Michigan

- **Research/Rotation/Intern Students**

- Neel Desai [2017]; Chiyu Gu [2016-17]; Yabo Niu [2017]; Youyi Zhang (PhD) [2014]; Adrian Coles [2013]; Sanvesh Srivastava [2012]; Karl Gregory [2012]; Karthik Bharath [2011]; Yanqing Wang [2011]; Lin Zhang [2010]; Mario Navas [2010]; Rajesh Talluri [2009]; Violeta Hennessey [2007]; Chao Gao [2019]; Chinmay Raut [2020-2022]

PROFESSIONAL ACTIVITIES AND ACADEMIC SERVICE

• Study Section and Review Panels

- CSR Special Emphasis Panel ZRG1 BDA-A (58) R, NIH, Ad Hoc Member, Biostatistics reviewer, 2009
- National Science Foundation, Statistical Panel B, National Science Foundation, Member, 2012-2013
- Study section member NIH ZHD1 DRG-H (92) B, NIH, Member, 2013-2014
- Biostatistical Methods and Research Design Study Section [BMRD], NIH, Ad Hoc Member, 2014, 2019
- Genomics, Computational Biology and Technology Study Section [GCAT], NIH, Ad Hoc Member, 2014
- Special Emphasis Review Panel, NIH Global "Omics" Approaches Targeting Adverse Pregnancy and
- Neonatal Outcomes Utilizing Existing Cohorts, 2015-2016
- Grant reviewer for Florida Department of Health Biomedical Research Programs, 2015,2020,2021
- Grant Reviewer for Cancer Prevention Research Opportunity (CPRO); Alberta Cancer Prevention Legacy Fund 2015
- Grant Reviewer for Research Initiation Awards for Historically Black Colleges and Universities, National Science Foundation, 2015
- NSF/NIGMS Panel, 2016
- Cancer Target Discovery and Development Network (U01s) Study Section, 2017
- Scientific Review panel, NCI Informatics Technologies for Cancer Research and Surveillance, 2019
- External Advisory Board Member, Cambridge University, UK, 2019-2024
- External Advisory Board Member, UT MD Anderson Sarcoma SPORE, 2019
- National Cancer Institute Program Project (P01) Review Panel, 2020, 2021
- American Society of Clinical Oncology, Conquer Cancer's Grants Selection Committee, 2023-2025
- **Co-Chair**, Scientific Review panel, NCI Informatics Technologies for Cancer Research, 2023
- Analytics and Statistics for Population Research Panel B, 2025-2026

• Conference Organization

- Program Committee, Biomedical Engineering and Informatics Conference 2009
- Session organizer, Frontiers of Interface between Statistics and Sciences, 2009
- Session organizer, IISA Conference, 2010; JSM 2010; JSM 2012; ENAR 2011, ENAR 2012, JSM 2014, ISBA 2012, IISA 2017
- Session co-organizer, Eastern North American Region (ENAR) Spring Meeting, Atlanta, GA, 2007 Session Chair - IBS 2006; ENAR 2006,2007; JSM 2006, 2007, 2010, 2012,2013, 2014
- Scientific Committee Member, Conference on Latent Gaussian Models, Reykjavik,Iceland
- Program Committee Member, Integrative Biostatistics Research for Imaging, Genomics & High-throughput Technologies in Precision Medicine (iBRIGHT) conference, MDACC
- Program Committee Member for International Indian Statistical Association (IISA) 2015
- Program Committee Member, IEEE International Workshop on Genomic Signal Processing and Statistics (GENSIPS), 2012 and 2013
- Co-leader, Statistical Challenges in Omics Data Integration Working group, SAMSI, 2015
- Organizing Committee member, ENAR Junior Researchers Workshop, 2015
- **Associate Program Chair**, Joint Statistical Meetings, 2016
- **Program Chair**, ENAR, Atlanta, 2018
- Organizing Committee Member, iBRIGHT, Houston, 2019
- **Program Chair**, IISA, Mumbai, 2019

- **Advisory/Executive/Leadership Committees**

- Heart of Leadership program, UT MD Anderson Cancer Center, 2015
- External tenure review member, Memorial Sloan Kettering Cancer Center & Oregon State University
- Executive Board Member, International Indian Statistical Association, 2008-2012
- Treasurer, Houston Chapter of the American Statistical Association, 2006-2008
- Co-leader, TCGA Data Integration working group, Statistical and Applied Mathematical Sciences Institute (SAMSI), 2014-2015
- **Chair**, Faculty Search Committee, Department of Biostatistics, University of Michigan, 2019-2021.
- **Chair**, ASA Committee for Funded Research, 2024-2025 (member since 2019)
- Member, Regional Committee (RECOM), ENAR, 2023+
- Member, Professional Conduct Committee, International Society for Bayesian Analyses, 2023+

- **Institutional Service at University of Michigan**

- Member, Executive Committee for School of Public Health, 2021-2023
- Research Council, School of Public Health, 2020-2021
- Chair & Member, Faculty Search Committee, Department of Biostatistics, 2018-2021
- Member, Curriculum Committee, Department of Biostatistics, 2018-2020
- Grant Reviewer, MICHR Pilot Grant Program – Promoting Progress in Statistics Award, 2018
- Member, Cancer Research Committee, UM Rogel Cancer Center, 2018+

- **Institutional Service at UT MD Anderson Cancer Center**

- Member of Clinical Research Committee, 2011 –2018
- Member of Faculty Senate, 2010-2014
- Member of Multidisciplinary Research Advisory Committee (MRAC), 6/2011 – 2014
- Member of Data and Safety Monitoring Board, 9/2011 – 2013
- Seminar Coordinator, Department of Biostatistics, 2006 – 2012
- Biostatistics co-leader, Multiple Myeloma and Melanoma Moonshot Programs, 2013-present
- Member Faculty Search committee 2012-2014; mid-tenure review committee for various junior faculty

EDITORIAL ACTIVITIES

Editorial Board(s)

- Associate Editor, International Statistical Review (current)
- Associate Editor, Statistics and Data Science in Imaging (current)
- Associate Editor, Annals of Applied Statistics (2018-2025)
- Associate Editor, Nature Scientific Reports (2018-2022)
- Associate Editor, Biometrics (2012-2018)
- Associate Editor, Journal of American Statistical Association – Applications & Case Studies (2014-2018)
- Associate Editor, Sankhya Series B (2012-2018)
- Guest Editor, Cancer Informatics, Libertas Academica, 2013

Journal Reviewer

Annals of Applied Statistics, Australian and New Zealand Journal of Statistics, Biometrics, Canadian Journal of Statistics, Cancer Informatics, Communications in Statistics – Theory and Methods, Computational Statistics and Data Analysis, Human Heredity, Journal of American Statistical Association - Theory & Methods and Applications & Case Studies, Journal of Computational and Graphical Statistics, Journal of Multivariate Analysis, Journal of the Royal Statistical Society - Series B and C, Statistics in Medicine, Genetic Epidemiology, Blood, AISTATS

Book Chapter Reviewer: Elsevier: Amsterdam; Chapman & Hall/CRC

TEACHING

University of Michigan

- Generalized Linear Models, Winter 2019, 2020, 2021, 2022, 2023, 2024
- Bayesian Linear Models, Michigan Institute for Clinical & Health Research (MICHR) Workshop, 2019
- Guest Lecturer, Seminar in Cancer Biostatistics, 2018, 2019
- Guest Lecturer, Big Data Summer Institute 2018, 2019, 2021, 2022, 2023, 2024

University of Texas Graduate School of Biomedical Sciences and Rice University

- Bayesian Data Analysis (graduate course) Fall 2008, Fall 2009, Fall 2010, Spring 2012, Fall 2013
- Advanced Statistical Methods for the Analysis of Gene Expression and Proteomics, Spring 2008

Texas A&M University

- Elementary Statistical Inference, Fall 2001

Other

- Workshop on Biomedical Big Data and Biostatistics, West China University, 2019
- Tutorial on Integrative Analyses of High-throughput Multi-platform Genomics Data, ENAR, 2018
- Workshop on Network-based Bayesian Models for High-dimensional Genomics Data, Australia, 2017
- Webinar on Bayesian models for high-dimensional genomics data, Bayesian forum at Ely Lilly, 2011
- Webinar on Bayesian modeling of high-dimensional object data, (SAMSI), 2011
- Short course on Statistical Methods for Genomics Data, University of Puerto Rico, 2006
- TA and tutor for numerous introductory and intermediate statistics courses at University of Rochester and Texas A&M University

ACADEMIC PRESENTATIONS

National or International Conferences and Workshops (invited)

1. **Keynote Speaker**, Bridging Methodology and Medicine: Translational Statistics and Machine Learning, Shanghai, 2026
2. **Zorich Lecturer**, Best of Statistical Science Workshop, Texas A&M University, 2025
3. Invited Speaker, Turing-Roche Knowledge Share Series, The Alan Turing Institute, London, 2025
4. **Keynote Speaker**, 13th International Conference on Intelligent Biology and Medicine 2025
5. Summer school on Bayesian modeling, computation and applications, Vietnam 2025
6. Joint Statistical Meetings, 2025
7. MiRcore Summer Camp for High School students (2024)
8. Eastern North American Region Spring Meetings, 2024
9. Joint Statistical Meetings, 2024
10. Bayesian Biostatistics Conference, Utrecht, 2023
11. International Society for Clinical Biostatistics Conference, Milan, 2023
12. Eastern North American Region Spring Meetings, 2023
13. Joint Statistical Meetings, 2023
14. Statistics Workshop, King Abdullah University Of Science And Technology, Saudi Arabia, 2022
15. Big Data Summer Institute, University of Michigan, 2022
16. Statistics for Oncology (Stat4Onc), University of Chicago, 2022
17. Statistical Methods in Genetic/Genomic Studies Workshop, Singapore, 2022 (virtual)
18. Eastern North American Region Spring Meetings, 2022
19. Joint Statistical Meetings, American Statistical Association, 2022
20. Eastern North American Region Spring Meetings, 2021 (virtual)

21. Joint Statistical Meetings, American Statistical Association, 2020 (virtual)
22. Eastern North American Region Spring Meetings, 2020 (virtual)
23. Computational Medicine Conference, University of Pittsburgh, 2019
24. International Conference on Bayesian Nonparametrics, Oxford, UK, 2019
25. Workshop on Biomedical Big Data and Biostatistics, Chengdu, China, 2019
26. Cells to Society Seminar, University of Michigan, 2019
27. Conference Board of the Mathematical Sciences (CBMS) Conference: Elastic Functional and Shape Data Analysis, Columbus, 2018
28. Joint Statistical Meetings, American Statistical Association, Vancouver, 2018
29. International Conference on Big Data and Information Analytics, Houston, 2018
30. **Keynote Speaker**, Genome Engineering for Cancer Treatment, Canberra, Australia, 2017
31. ERCIM/CMS Stats, London, 2017
32. IISA Annual Meeting, Hyderabad, 2017
33. Workshop on Applications-Driven Geometric Functional Data Analysis, Tallahassee, 2017
34. ISI World Statistics Congress, Morocco, 2017
35. Southern Regional Council on Statistics, Jekyll Island, 2017
36. American Association for the Advancement of Science Annual Meeting, 2017
37. 2nd Seattle Symposium on Health Care Data Analytics, 2016
38. SIAM Conference on Uncertainty Quantification (UQ16), Lausanne, Switzerland, 2016
39. Joint Statistical Meeting, Chicago, 2016
40. ISNPS Meeting, Avignon, France, 2016
41. ISBA World Meeting, Sardinia, 2016
42. ICSA Meeting, Shanghai, 2016
43. International Indian Statistical Association Conference, Pune, India, 2015
44. Alan Gelfand's 70th Birthday Conference, 2015
45. International Society for Non-Parametric Statistics (ISNPS) meeting, Graz, Austria
46. Panel on Big Data, ISNPS Meeting, Austria, 2015
47. Joint Statistical Meeting, Seattle, 2015
48. Asian Regional Section of the IASC meeting, Singapore, 2015,
49. iBRIGHT conference, Houston, 2015
50. Institute of Applied Statistics Sri Lanka (IASSL) Conference, Colombo, Sri Lanka, 2014
51. Joint Statistical Meetings, Boston, 2014
52. International Biometric Society Conference, Florence, Italy, 2014
53. Bioinformatics: Opening Workshop, SAMSI, 2014
54. International Bayesian Meeting, Cancun, Mexico, 2014
55. ISBIS 2014 and SLDM Meeting, Durham, North Carolina, 2014
56. Eastern North American Region Spring Meetings, 2014
57. Bayesian Biostatistics and Bioinformatics Conference, Houston, Texas, 2014
58. STATISTICS 2013, C R Rao Institute, Hyderabad, India, 2013
59. ICSA/ISBS Joint Statistical Conference, Washington, DC, 2013
60. Joint Statistical Meetings, Montreal, Canada, 2013
61. Latent Gaussian Models, Reykjavik, Iceland, 2013
62. Bayesian methods in Biostatistics and Bioinformatics, IRB, Barcelona, Spain, 2012
63. IEEE International Workshop on Genomic Signal Processing and Statistics, Washington DC, 2012
64. Biotechnology and Bioinformatics Symposium, Provo, UT, 2012
65. Interface 2012, Houston, Texas, 2012
66. International Society for Bayesian Analysis (ISBA) World Meeting, 2012
67. Joint Statistical Meetings, San Diego, 2012
68. Eastern North American Region Spring Meetings, Washington D.C., 2012
69. New Grantee Workshop, National Cancer Institute, 2011
70. Joint Statistical Meetings, Miami, 2011
71. 8th Workshop on Bayesian Nonparametrics, Veracruz, 2011

72. IISA Conference, Raleigh, NC, 2011
73. Eastern North American Region Spring Meetings, Miami, 2011
74. Eighth ICSA International Conference, Guangzhou, China, 2011
75. Eastern North American Region Spring Meetings, New Orleans, 2010
76. Frontier of Statistical Decision Making and Bayesian Analysis, San Antonio, 2010
77. International Indian Statistical Association (IISA) Conference, Vishakapatnam, 2010
78. Frontiers of Interface between Statistics and Sciences, Hyderabad, 2010
79. Joint Statistical Meetings, Washington D.C, 2009
80. Bayesian Biostatistics Conference, UT MD Anderson Cancer Center, 2009
81. 9th World Conference of the International Society for Bayesian Analysis (ISBA), 2008
82. Southern Regional Council on Statistics Summer Research Conference (SRCOS), 2008
83. International Indian Statistical Association (IISA) Conference, Storrs 2008
84. International Conference on Statistical Paradigms, ISI Kolkata, 2008
85. Joint Statistical Meetings, Salt Lake City, Utah, 2007
86. International Indian Statistical Association (IISA) Conference, Cochin 2007
87. Eastern North American Region Spring Meetings, Tampa, 2006
88. International Biometric Conference in Montre'al, Que'bec, Canada, 2006

Academic Departments (invited)

89. Medical Research Council Biostatistics Unit, University of Cambridge, 2025
90. Department of Biostatistics, Brown University, 2025
91. **Andrei Yakovlev Colloquium**, Department of Biostatistics, University of Rochester, 2024
92. Department of Biostatistics, Virginia Commonwealth University, 2023
93. Epidemiology & Biostatistics Cancer Imaging Research Center, WUSTL, 2023
94. Division of Biostatistics, University of Pennsylvania, 2022
95. Department of Bioinformatics, Tools & Technology Seminar, University of Michigan, 2021 (virtual)
96. Michigan Institute for Data Science, 2020 (virtual)
97. Department of Statistics, Texas A&M University, 2020 (virtual)
98. **Myrto Lefkopoulou Distinguished Lectureship**, Harvard University, 2019
99. Department of Statistics & Probability, Michigan State University, 2019
100. Department of Statistics & Data Science, UT Austin, 2019
101. University of Michigan Precision Health Seminar, 2019
102. Cancer Biology/Cancer Genetics Program Meeting, University of Michigan, 2019
103. Department of Computational Medicine and Bioinformatics, University of Michigan, 2018
104. Department of Statistics, Virginia Tech University, 2018
105. **Annual Theodore G. Ostrom Lecture**, Washington State University, 2018
106. CSIRO Research Group, Brisbane, Australia, 2017
107. Department of Biostatistics, University of Michigan, 2017
108. Department of Biostatistics, Columbia University, 2017
109. Department of Biostatistics, Fred Hutchinson Cancer Center, 2015
110. Department of Statistics, Rutgers University, 2015
111. UT MD Anderson Grand Rounds, 2015
112. Department of Biostatistics, Memorial Sloan Kettering Cancer Center, 2015
113. Department of Biostatistics, Columbia University, 2015
114. Department of Statistics, Purdue University, 2013
115. Department of Statistics & Computer Science, C.R.Rao Institute of Mathematics, Hyderabad, India, 2012
116. Public Health Foundation of India, New Delhi, 2012
117. Department of Statistics, North Carolina State University, Raleigh, NC, 2012
118. Department of Biostatistics, UT School of Public Health, Houston, TX, 2012
119. Department of Electrical Engineering, Texas Tech University, Lubbock, TX, 2012
120. Department of Statistics, University of Texas at Austin, TX, 2012

121. Department of Biostatistics, University of California, Davis, 2012
122. Department of Statistics, University of Connecticut, 2011
123. Machine learning group, Eli Lilly and Company, 2011 (via web broadcasting)
124. School of Mathematics, Statistics & Actuarial Science, University of Kent, UK, 2010
125. Department of Statistics, University of Oxford, UK, 2010
126. Department of Management Science and Statistics, University of Texas at San Antonio, 2008
127. Department of Epidemiology, UT MD Anderson Cancer Center, 2008
128. Department of Biostatistics, UT School of Public Health, Houston 2008
129. Department of Statistics, Rice University, 2008
130. Department of Computer Science, University of Houston, 2008
131. Department of Statistics, University of Missouri - Columbia, 2008
132. Indian School of Business, Hyderabad, India, 2007
133. Department of Statistics, University of Puerto Rico - Mayaguez Campus, 2006
134. School of Medicine, University of Puerto Rico - San Juan Campus, 2006
135. Richard F. Barry Mathematics & Statistics Colloquium, Old Dominion University, 2005
136. Department of Statistics, University of Kentucky, 2005
137. Department of Biostatistics, Section on Statistical Genetics, University of Alabama, 2005
138. Department of Statistics, Michigan State University, 2005
139. Department of Biostatistics, University at Buffalo The State University of New York, 2005
140. Division of Biostatistics, University of Minnesota, 2005
141. Department of Statistics, University of California, Riverside, 2005
142. Department of Biostatistics & Applied Mathematics, M. D. Anderson Cancer Center, 2005
143. Department of Integrative Studies , Arizona State University West, 2005
144. Statistics and Data Mining Research, Bell Laboratories, 2005
145. Department of Statistical Science, Southern Methodist University, 2005
146. Department of Statistics, Texas A&M University, 2004

Academic Presentations (contributed)

147. Joint Statistical Meetings, Denver, Colorado 2008
148. Ninth Case Studies in Bayesian Analysis Meeting, Pittsburgh, 2007
149. Joint Statistical Meetings, Seattle, Washington 2006
150. Joint Statistical Meetings, Toronto, Canada 2004
151. International Workshop on Bayesian Data Analysis, Santa Cruz, 2003
152. Joint Statistical Meetings, San Francisco, 2003
153. Summer Research Conference in Statistics (SRCOS), Jekyll Island, 2003
154. Conference of Texas Statisticians, Texas A&M University, 2003
155. Department of Biostatistics, University of Rochester, 2000