Michele Guindani

Curriculum Vitae

Department of Biostatistics
UCLA Fielding School of Public Health
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Present title and Affiliation

Primary Appointment

07/2022- **Full Professor, Step III**,
Department of Biostatistics,
Fielding School of Public Health
University of California, Los Angeles, CA.

Dual/Joint/Adjunct Appointments

2016-Present **Adjunct Faculty**,
Department of Statistics,
Rice University, Houston, TX.

Experience

Academic Appointments

07/2018-06/2022 **Full Professor**, *Department of Statistics*, University of California, Irvine.

08/2016-06/2018 **Associate Professor**, *Department of Statistics*, University of California, Irvine.

08/2010-08/2016 **Assistant Professor**, *Department of Biostatistics, The University of Texas MD Anderson Cancer Center*, Houston, TX, (tenured 06/2016).

08/2012-08/2016 **Adjunct Assistant Professor**, *Department of Statistics, Rice University*, Houston, TX.

08/2012 - 08/2016 **Associate Member**, *The University of Texas Graduate School of Biomedical Sciences at Houston*, Houston, TX.

08/2007 - 08/2010 **Assistant Professor**, *Department of Mathematics and Statistics, University of New Mexico*, Albuquerque, NM.

Research Interests

Analysis of high-dimensional complex data from medical studies, neuroimaging data, radiomics, genomics & integrative genomics, microbiome data.
Statistical decision-making under uncertainty, clinical trial methodology, multiple comparison problems, clustering, Bayesian modeling, and Bayesian Nonparametrics.

Education

Degree-Granting Education

2005   **Ph.D. in Statistics**, *Università Commerciale Luigi Bocconi*, Milano, Italy.

2001   **MS in Economics, cum Laude**, *Università Commerciale Luigi Bocconi*, Milano, Italy.

Postgraduate Training

08/2005- 08/2007   **Postdoctoral Research Fellowship**, *Department of Biostatistics, Division of Quantitative Sciences, UT MD Anderson Cancer Center*, Houston, TX.

06/2005 - 08/2005   **Research Associate**, *ISDS - Institute of Statistics and Decision Sciences, Duke University*, Durham, NC.

Honors

Fellow   **International Society of Bayesian Analysis**, *2022*.

Fellow   **American Statistical Association**, *2019*.

UCI - ICS Dean's Award for Service, *2019*.

Professional Commitments

Grant Reviewer/Service on Study Sections

Spring 2023   **Ad Hoc Reviewer**, *Medical Research Council*, UK.

Winter, Spring 2023   **Ad Hoc Reviewer**, *Analytics and Statistics for Population Research Panel B – ASPB*, NIH.

Spring 2022   **Ad Hoc Reviewer**, *NCI Panel*, NCI.

Spring 2022   **Panel Member**, *NSF Grant review committee*.

Fall 2021   **Ad Hoc Reviewer**, *Methodology, Measurement, and Statistics*, NSF.

August 2021   **Ad Hoc Reviewer**, *Evaluation of Research Quality VQR 2015-2019*, Italian National Agency for the Evaluation of Universities and Research Institutes (ANVUR), Italy.

March 2021   **Ad Hoc Reviewer**, *NCI Special Emphasis Panel - Cancer Informatics*, National Cancer Institute, US.

March 2021   **Ad Hoc Reviewer**, *NIH, BMRD Biostatistical Methods and Research Design Section*, National Institutes of Health, US.

Apri, 2020   **Ad Hoc Reviewer**, *NCI Special Emphasis Panel - Cancer Informatics*, National Cancer Institute, US.

June, 2019   **Panel member**, *NSF Grant review committee*.

June, 2019   **Ad Hoc Reviewer**, *FONDECYT*, Ministerio de Educacion, Gobierno de Chile.

September, 2018   **Ad Hoc Reviewer**, *NCI Special Emphasis Panel*, National Cancer Institute, US.

July, 2018   **Ad Hoc Reviewer**, *Engineering and Physical Sciences Research Council*, UK Research and Innovation.

November, 2017   **Ad Hoc Reviewer**, *Methodology, Measurement, and Statistics (MMS) Program*, NSF.

August, 2017	**Ad Hoc Reviewer**, *Medical Research Council Grant Peer Review*, UK.
June, 2017	**Temporary Member**, *Biostatistical Methods and Research Design Study Section (BMRD)*, NIH.
January & September, 2017	**Ad Hoc Evaluator**, *"Rita Levi Montalcini" Research Program for Young Researchers*, Ministry of the University & Research, Italy.
June, 2016	**Ad Hoc Reviewer**, *Progetti di Ricerca di Rilevante Interesse Nazionale 2015*, Ministry of the University & Research, Italy.
November, 2014	**Ad Hoc Reviewer**, *Methodology, Measurement, and Statistics (MMS) Program*, NSF.

University of California Systemwide - Committee Activities

09/2020-08/2022	**Member**, *University Committee on Research Policy, UCORP*.
09/2020-08/2022	**Member**, *Research Information Management Systems (RIMS) Working Group*.

UCI - Campuswide - Committee Activities

09/2020-06/2022	**Chair**, *UCI Council on Research, Computing, and Libraries (CORCL)*.
09/2021-06/2022	**Member**, *UCI Committee on Undue Foreign Influence*.
09/2020-06/2022	**Member**, *UCI Academic Senate Cabinet*.
09/2019-03/2020	**Member**, *Ad Hoc Review of Professor Marios Papaefthymiou as Dean, Donald Bren School of Information and Computer Sciences*.
09/2019-08/2020	**Member**, *UCI Council on Research, Computing, and Libraries (CORCL)*.
01/2017-2018	**Member**, *UCI Assessment Committee*.

UCI - School of Information and Computer Sciences - Committee Activities

01/2018-06/2022	**Member**, *Diversity Educational Experience & Doctoral Experience (DECADE) mentor*.
09/2016-06/2022	**Member**, *ICS Computing and Network Policy Committee*.
09/2019-09/2020	**Member**, *ICS Executive Committee*.
05/2017-present	**Member**, *ICS Web Committee*.
08/2017-present	**Member**, *Faculty advisory board UCI Microbiome Initiative*.

UCI - Department of Statistics - Committee Activities

Winter 2021	**Surrogate Dept. Chair**, *Nomination of Prof. Daniel Gillen to Chancellor's Professor*.
Fall 2021	**Chair**, *Hiring Search Committee*.
Fall 2021	**Chair**, *Promotion Evaluation Committee for Prof. Veronica Berrocal*.
Fall 2021	**Member**, *Merit Increase Evaluation committee for Prof. Babak Shahbaba*.
Winter 2021	**Member**, *PhD Graduate Admission Committee*.
Fall 2020	**Member**, *Merit Increase Evaluation committee for Assistant Prof. Mine Dogucu*.
Spring 2020	**Surrogate Dept. Chair**, *Accelerated Advancement of Daniel Gillen from Professor, Step IV, to Professor, Step VI*.

Winter 2020	**Chair**, *PhD Graduate Admission Committee.*
Winter 2020	**Chair**, *Merit Increase Evaluation committee for Prof. Vladimir Minin.*
Winter 2020	**Member**, *Merit Increase Evaluation committee for Prof. Hal Stern.*
Winter 2019	**Member**, *PhD Graduate Admission Committee.*
Winter 2019	**Member**, *Department of Statistics Hiring Search and Appointment Review Committee.*
Winter 2018	**Chair**, *Merit Increase Evaluation committee for Assoc. Prof. Zhaoxia Yu.*
Winter 2018	**Member**, *PhD Graduate Admission Committee.*
Winter 2017	**Member**, *Department of Statistics Hiring Search and Appointment Review Committee.*
Winter 2017	**Member**, *PhD Graduate Admission Committee.*
Fall 2016	**Chair**, *Merit Increase Evaluation committee for Dr. Weining Shen.*
Fall 2016	**Member**, *Merit Increase Evaluation committee for Assoc. Prof. Yaming Yu.*

Other Appointments/Responsibilities

06/2017 - present	**Member**, *Program Steering Committee U54 grant University of Puerto Rico/MD Anderson Cancer Center: Partnership for Excellence in Cancer Research.*
09/2011 - 08/2016	**Regular Member**, *Data Safety Monitoring Board (DSMB)*, UT MD Anderson Cancer Center, Houston, TX.
09/2011 - 08/2016	**Regular Member**, *Psychosocial, Behavioral, and Health Services Research Committee (PBHSRC)*, UT MD Anderson Cancer Center, Houston, TX.
06/2011 - 06/2014	**Member**, *Multidisciplinary Research Advisory Committee*, UT MD Anderson Cancer Center, Houston, TX.
08/2003 - 06/2004	**Visiting Scholar**, *ISDS - Institute of Statistics and Decision Science*, Durham, NC.

Additional Outreach Activities

American Psychiatric Association (APA) - **Research Colloquium for Junior Psychiatrists** - Mentor, 2019–2021, 2023

Math Alliance - Mentor, 2020-present

Editorial and Review Activities

Editor and Service on Editorial Boards

Associate Editor, *Biometrics*, 2016–present

Associate Editor, *Journal of the American Statistical Association, Theory and Methods*, 2023–present

Associate Editor, *Econometrics and Statistics*, 2019–present

Guest Editor, *Special Issue on Bayesian Analysis - Econometrics and Statistics*, 2023

Editor in Chief, *Bayesian Analysis*, 2019–2021.

Associate Editor, *Computational Statistics & Data Analysis, Annals of Statistical Data Science*, 2019–present

Guest Editor, *Econometrics and Statistics (Part B: Statistics), special issue on Biostatistics*, October 2020

Guest Editor, *Computational Statistics & Data Analysis, Special Issue on Biostatistics, Volume 132*, April 2019

Co-Editor, *Bayesian Analysis*, 2016–2018

Associate Editor, *Computational Statistics and Data Analysis*, 2015–2018

Guest Editor, *Frontiers in Microbiology: Research Topic: Novel Approaches in Microbiome Analyses and Data Visualization*, 2017

Associate Editor, *Bayesian Analysis*, 2013–2015

Service as a Journal Reviewer

I have been serving routinely as a referee for the following journals: *Journal of the American Statistical Association, Journal of the Royal Statistical Society Series B, Bayesian Analysis, Biometrika, Annals of Applied Statistics, Journal of Machine Learning Research, Computational Statistics and Data Analysis, Neuroimage, Statistics in Medicine*, and others

Peer-Reviewed Original Research Articles

[85] F. Denti, R. Azevedo, C. Lo, D. G. Wheeler, S.P. Gandhi, **Guindani, M.**, and B. Shahbaba. "A Horseshoe mixture model for Bayesian screening with an application to light sheet fluorescence microscopy in brain imaging". In: *Annals of Applied Statistics* (), In press.

[84] Joanna Boland, Donatello Telesca, Catherine Sugar, Michele Guindani, Shafali Jeste, Abigail Dickinson, Charlotte DiStefano, and Damla Şentürk. "Central Posterior Envelopes for Bayesian Functional Principal Component Analysis". In: *Journal of Data Science* (2023), pp. 1–20. ISSN: 1680-743X. DOI: 10.6339/23-JDS1085.

[83] L. D'Angelo, A. Canale, Z. Yu, and **Guindani, M.** "Bayesian nonparametric analysis for the detection of spikes in noisy calcium imaging data". In: *Biometrics* 79 (2023), pp. 1370–1382.

[82] F. Denti, S. Peluso, **Guindani, M.**, and A. Mira. "Multiple hypothesis screening using mixtures of non-local distributions". In: *Statistics in Medicine* 42 (12) (2023), pp. 1931–1945.

[81] Chih-Chieh Liu, Yasser G. Abdelhafez, S. Paran Yap, Francesco Acquafredda, Silvia Schirò, Andrew L. Wong, Dani Sarohia, Cyrus Bateni, Morgan A. Darrow, Michele Guindani, Sonia Lee, Michelle Zhang, Ahmed W. Moawad, Quinn Kwan-Tai Ng, Layla Shere, Khaled M. Elsayes, Roberto Maroldi, Thomas M. Link, Lorenzo Nardo, and Jinyi Qi. "AI-Based Automated Lipomatous Tumor Segmentation in MR Images: Ensemble Solution to Heterogeneous Data".

In: *Journal of Digital Imaging* (2023). URL: https://doi.org/10.1007/s10278-023-00785-1.

[80] B. Hart, **Guindani, M.**, S. Malone, and M. Fiecas. "A nonparametric Bayesian model for estimating spectral densities of resting-state EEG twin data". In: *Biometrics* 78 (2022), pp. 313–323.

[79] Federica Zoe Ricci, Michele Guindani, and Erik Sudderth. "Thinned random measures for sparse graphs with overlapping communities". In: *Advances in Neural Information Processing Systems*. Ed. by S. Koyejo, S. Mohamed, A. Agarwal, D. Belgrave, K. Cho, and A. Oh. Vol. 35. Curran Associates, Inc., 2022, pp. 38162–38175. URL: https://proceedings.neurips.cc/paper_files/paper/2022/file/f9668d223e713943634dce9c66e8f2c1-Paper-Conference.pdf.

[78] Z. Yu, **Guindani, M.**, S.F. Grieco, L. Chen, T.C. Holmes, and X. Xu. "Beyond t test and ANOVA: applications of mixed-effects models for more rigorous statistical analysis in neuroscience research". In: *Neuron* 110 (2022), pp. 21–35.

[77] Andrea Bianchetti, Clizia Chinello, Michele Guindani, Simona Braga, Arabella Neva, Rosanna Verardi, Giovanna Piovani, Lisa Pagani, Gina Lisignoli, Fulvio Magni, Domenico Russo, and Camillo Almici. "A Blood Bank Standardized Production of Human Platelet Lysate for Mesenchymal Stromal Cell Expansion: Proteomic Characterization and Biological Effects". In: *Frontiers in cell and developmental biology* 9 (May 2021), pp. 650490–650490.

[76] Francesco Denti, **Guindani, Michele**, Fabrizio Leisen, Antonio Lijoi, William Duncan Wadsworth, and Marina Vannucci. "Two-group Poisson-Dirichlet mixtures for multiple testing". In: *Biometrics* 77.2 (2021), pp. 622–633.

[75] Xiao Li, Michele Guindani, Chaan S. Ng, and Brian P. Hobbs. "A Bayesian nonparametric model for textural pattern heterogeneity". In: *Journal of the Royal Statistical Society: Series C (Applied Statistics)* 70.2 (2021), pp. 459–480.

[74] Shine Chang, **Guindani, Michele**, Page Morahan, Diane Magrane, Sharon Newbill, and Deborah Helitzer. "Increasing Promotion of Women Faculty in Academic Medicine: Impact of National Career Development Programs". In: *Journal of Women's Health* 29.6 (2020). PMID: 32466701, pp. 837–846.

[73] Lechuan Hu, **Michele Guindani**, Norbert J. Fortin, and Hernando Ombao. "A hierarchical bayesian model for differential connectivity in multi-trial brain signals". In: *Econometrics and Statistics* 15 (2020), pp. 117–135. ISSN: 2452-3062.

[72] Lorenzo Nardo, Rita Rezzani, Luca Facchetti, Gaia Favero, Caterina Franco, Yasser Gaber Abdelhafez, Ramsey Derek Badawi, **Guindani, Michele**, Youngho Seo, and Miguel Pampaloni. "Beneficial Effects of Melatonin on Apolipoprotein-E Knockout Mice by Morphological and 18F-FDG PET/CT Assessments". In: *International Journal of Molecular Sciences* 21.8 (2020). ISSN: 1422-0067.

[71] Lorenzo Nardo, Yasser G. Abdelhafez, Francesco Acquafredda, Silvia Schirò, Andrew L. Wong, Dani Sarohia, Roberto Maroldi, Morgan A. Darrow, **Guindani, Michele**, Sonia Lee, Michelle Zhang, Ahmed W. Moawad, Khaled M. Elsayes, Ramsey D. Badawi, and Thomas M. Link. "Qualitative evaluation of MRI features of lipoma and atypical lipomatous tumor: results from a multicenter study". In: *Skeletal Radiology* 49.6 (2020), pp. 1005–1014.

[70] Sarah Tonello, Andrea Bianchetti, Simona Braga, Camillo Almici, Mirella Marini, Giovanna Piovani, **Guindani, Michele**, Kamol Dey, Luciana Sartore, Federica Re, Domenico Russo, Edoardo Cantù, Nicola Francesco Lopomo, Mauro Serpelloni, and Emilio Sardini. "Impedance-Based Monitoring of Mesenchymal Stromal Cell Three-Dimensional Proliferation Using Aerosol Jet Printed Sensors: A Tissue Engineering Application". In: *Materials* 13.10 (2020). ISSN: 1996-1944.

[69] H. W. Xie, A. L. Romero-Olivares, **Guindani, M.**, and S. D. Allison. "A Bayesian approach to evaluation of soil biogeochemical models". In: *Biogeosciences* 17.15 (2020), pp. 4043–4057.

[68] A. Cassese, W. Zhu, **Guindani, M.**, and M. Vannucci. "A Bayesian nonparametric spiked process prior for dynamic model selection". In: *Bayesian Analysis* 14.2 (2019), pp. 553–572.

[67] J.H. Kook, **Guindani, M.**, L. Zhang, and M. Vannucci. "NPBayes-fMRI: Non-parametric Bayesian General Linear Models for Single- and Multi-Subject fMRI Data". In: *Statistics in Biosciences* 11.1 (2019), pp. 3–21.

[66] Q. Li, A. Cassese, **Guindani, M.**, and M. Vannucci. "Bayesian negative binomial mixture regression models for the analysis of sequence count and methylation data". In: *Biometrics* 75.1 (2019), pp. 183–192.

[65] X. Li, **Guindani, M.**, C.S. Ng, and B.P. Hobbs. "Spatial Bayesian modeling of GLCM with application to malignant lesion characterization". In: *Journal of Applied Statistics* 46.2 (2019), pp. 230–246.

[64] E.R. Vankov, **Guindani, M.**, and K.B. Ensor. "Filtering and estimation for a class of stochastic volatility models with intractable likelihoods". In: *Bayesian Analysis* 14.1 (2019), pp. 29–52.

[63] F. Versace, D.W. Frank, E.M. Stevens, M.M. Deweese, **Guindani, M.**, and S.M. Schembre. "The reality of "food porn": Larger brain responses to food-related cues than to erotic images predict cue-induced eating". In: *Psychophysiology* 56.4 (2019).

[62] H. Ai, O. Mawlawi, R. Stafford, J. Bankson, Y. Shao, **Guindani, M.**, and R. Wendt III. "An Investigation of the Required MR Bone Attenuation Correction for Quantitative Whole-Body PET/MR Imaging Using Clinical NaF PET/CT Studies." In: *International Journal of Medical Physics, Clinical Engineering and Radiation Oncology* 7 (2018), pp. 273–295.

[61] S. Chiang, E.R. Vankov, H.J. Yeh, **Guindani, M.**, M. Vannucci, Z. Haneef, and J.M. Stern. "Temporal and spectral characteristics of dynamic functional connectivity between resting-state networks reveal information beyond static connectivity". In: *PLoS ONE* 13.1 (2018).

[60] **Guindani, M.** and M. Vannucci. "Challenges in the analysis of neuroscience data". In: *Springer Proceedings in Mathematics and Statistics* 257 (2018), pp. 131–156.

[59] D. Kitkungvan, S.W. Yusuf, R. Moudgil, N. Palaskas, **Guindani, M.**, S. Juhee, S. Hassan, L. Sanchez, and J. Banchs. "Echocardiographic measures associated with the presence of left ventricular thrombus in patients with chemotherapy-related cardiac dysfunction". In: *Echocardiography* 35.10 (2018), pp. 1512–1518.

[58] B. Nipoti, A. Jara, and **Guindani, M.** "A Bayesian semiparametric partially PH model for clustered time-to-event data". In: *Scandinavian Journal of Statistics* 45.4 (2018), pp. 1016–1035.

[57] R. Warnick, **Guindani, M.**, E. Erhardt, E. Allen, V. Calhoun, and M. Vannucci. "A Bayesian Approach for Estimating Dynamic Functional Network Connectivity in fMRI Data". In: *Journal of the American Statistical Association* 113.521 (2018), pp. 134–151.

[56] S. Chiang, **Guindani, M.**, H.J. Yeh, Z. Haneef, J.M. Stern, and M. Vannucci. "Bayesian vector autoregressive model for multi-subject effective connectivity inference using multi-modal neuroimaging data". In: *Human Brain Mapping* 38.3 (2017), pp. 1311–1332.

[55] Sharon Chiang, Michele Guindani, Hsiang J. Yeh, Sandra Dewar, Zulfi Haneef, John M. Stern, and Marina Vannucci. "A Hierarchical Bayesian Model for the Identification of PET Markers Associated to the Prediction of Surgical Outcome after Anterior Temporal Lobe Resection". In: *Frontiers in Neuroscience* 11 (2017).

[54] J.R. Galloway-Peña, D.P. Smith, P. Sahasrabhojane, W.D. Wadsworth, B.M. Fellman, N.J. Ajami, E.J. Shpall, N. Daver, **Guindani, M.**, J.F. Petrosino, D.P. Kontoyiannis, and S.A. Shelburne. "Characterization of oral and gut microbiome temporal variability in hospitalized cancer patients". In: *Genome Medicine* 9.1 (2017).

[53] S.A. Hassan, S.W. Yusuf, J. Sharma, J. Khan, **Guindani, M.**, V. Valero, M. Chavez-McGregor, and J. Banchs. "Predictors of left ventricular systolic function recovery in the setting of sinus tachycardia in patients with cancer". In: *Echocardiography* 34.1 (2017), pp. 29–36.

[52] Q. Li, **Guindani, M.**, B.J. Reich, H.D. Bondell, and M. Vannucci. "A Bayesian mixture model for clustering and selection of feature occurrence rates under mean constraints". In: *Statistical Analysis and Data Mining* 10.6 (2017), pp. 393–409.

[51] S.K. Lutgendorf, E. Shinn, J. Carter, S. Leighton, K. Baggerly, **Guindani, M.**, B. Fellman, M. Matzo, G.M. Slavich, M.T. Goodman, W. Tew, J. Lester, K.M. Moore, B.Y. Karlan, D.A. Levine, and A.K. Sood. "Quality of life among long-term survivors of advanced stage ovarian cancer: A cross-sectional approach". In: *Gynecologic Oncology* 146.1 (2017), pp. 101–108.

[50] A.V. Prokhorov, G.E. Khalil, D.W. Foster, S.K. Marani, **Guindani, M.**, J.P. Espada, M.T. Gonsálvez, B. Idrisov, A. Galimov, M. Arora, A. Tewari, R. Isralowitz, P. Lapvongwatana, N. Chansatitporn, X. Chen, H. Zheng, and S. Sussman. "Testing the nicotine dependence measure mFTQ for adolescent smokers: A multinational investigation". In: *American Journal on Addictions* 26.7 (2017), pp. 689–696.

[49] P.F. Thall, P. Mueller, Y. Xu, and **Guindani, M.** "Bayesian nonparametric statistics: A new toolkit for discovery in cancer research". In: *Pharmaceutical Statistics* (2017).

[48] W.D. Wadsworth, R. Argiento, **Guindani, M.**, J. Galloway-Pena, S.A. Shelbourne, and M. Vannucci. "An integrative Bayesian Dirichlet-multinomial regression model for the analysis of taxonomic abundances in microbiome data". In: *BMC Bioinformatics* 18.1 (2017).

[47] U.D. Bayraktar, D.R. Milton, **Guindani, M.**, G. Rondon, J. Chen, G. Al-Atrash, K. Rezvani, R. Champlin, and S.O. Ciurea. "Optimal Threshold and Time of Absolute Lymphocyte Count Assessment for Outcome Prediction after Bone Marrow Transplantation". In: *Biology of Blood and Marrow Transplantation* 22.3 (2016), pp. 505–513.

[46] S. Chang, P.S. Morahan, D. Magrane, D. Helitzer, H.Y. Lee, S. Newbill, H.-L. Peng, **Guindani, M.**, and G. Cardinali. "Retaining faculty in academic medicine: The impact of career development programs for women". In: *Journal of Women's Health* 25.7 (2016), pp. 687–696.

[45] T. Chekouo, F.C. Stingo, **Guindani, M.**, and K.-A. Do. "Bayesian predictive model for imaging genetics with application to schizophrenia". In: *Annals of Applied Statistics* 10.3 (2016), pp. 1547–1571.

[44] S. Chiang, A. Cassese, **Guindani, M.**, M. Vannucci, H.J. Yeh, Z. Haneef, and J.M. Stern. "Time-dependence of graph theory metrics in functional connectivity analysis". In: *NeuroImage* 125 (2016), pp. 601–615.

[43] B.J. Edwards, M. Sun, D.P. West, **Guindani, M.**, Y.H. Lin, H. Lu, M. Hu, C. Barcenas, J. Bird, C. Feng, S. Saraykar, D. Tripathy, G.N. Hortobagyi, R. Gagel, and W.A. Murphy. "Incidence of Atypical Femur Fractures in Cancer Patients: The MD Anderson Cancer Center Experience". In: *Journal of Bone and Mineral Research* 31.8 (2016), pp. 1569–1576.

[42] J.R. Galloway-Peña, D.P. Smith, P. Sahasrabhojane, N.J. Ajami, W.D. Wadsworth, N.G. Daver, R.F. Chemaly, L. Marsh, S.S. Ghantoji, N. Pemmaraju, G. Garcia-Manero, K. Rezvani, A.M. Alousi, J.A. Wargo, E.J. Shpall, P.A. Futreal, **Guindani, M.**, J.F. Petrosino, D.P. Kontoyiannis, and S.A. Shelburne. "The role of the gastrointestinal microbiome in infectious complications during induction chemotherapy for acute myeloid leukemia". In: *Cancer* 122.14 (2016), pp. 2186–2196.

[41] E. Rebello, S. Kee, A. Kowalski, N. Harun, **Guindani, M.**, and F. Goravanchi. "Reduction of incorrect record accessing and charting patient electronic medical records in the perioperative environment". In: *Health Informatics Journal* 22.4 (2016), pp. 1055–1062.

[40] I. Teo, G.P. Reece, I.C. Christie, **Guindani, M.**, M.K. Markey, L.J. Heinberg, M.A. Crosby, and M.C. Fingeret. "Body image and quality of life of breast cancer patients: influence of timing and stage of breast reconstruction". In: *Psycho-Oncology* (2016), pp. 1106–1112.

[39] I. Teo, K.M. Fronczyk, **Guindani, M.**, M. Vannucci, S.S. Ulfers, M.M. Hanasono, and M.C. Fingeret. "Salient body image concerns of patients with cancer undergoing head and neck reconstruction". In: *Head and Neck* 38.7 (2016), pp. 1035–1042.

[38] V. Trevino, A. Cassese, Z. Nagy, X. Zhuang, J. Herbert, P. Antzack, K. Clarke, N. Davies, A. Rahman, M.J. Campbell, **Guindani, M.**, R. Bicknell, M. Vannucci, and F. Falciani. "A Network Biology Approach Identifies Molecular Cross-Talk between Normal Prostate Epithelial and Prostate Carcinoma Cells". In: *PLoS Computational Biology* 12.4 (2016).

[37] B. Zand, R.A. Previs, N.M. Zacharias, R. Rupaimoole, T. Mitamura, A.S. Nagaraja, **Guindani, M.**, H.J. Dalton, L. Yang, J. Baddour, A. Achreja, W. Hu, C.V. Pecot, C. Ivan, S.Y. Wu, C.R. McCullough, K.M. Gharpure, E. Shoshan, S. Pradeep, L.S. Mangala, C. Rodriguez-Aguayo, Y. Wang, A.M. Nick, M.A. Davies, G. Armaiz-Pena, J. Liu, S.K. Lutgendorf, K.A. Baggerly, M.B. Eli, G. Lopez-Berestein, D. Nagrath, P.K. Bhattacharya, and A.K. Sood. "Role of Increased n-acetylaspartate Levels in Cancer". In: *Journal of the National Cancer Institute* 108.6 (2016).

[36] L. Zhang, **Guindani, M.**, F. Versace, J.M. Engelmann, and M. Vannucci. "A spatiotemporal nonparametric Bayesian model of multi-subject fMRI data". In: *Annals of Applied Statistics* 10.2 (2016), pp. 638–666.

[35] A. Cassese, **Guindani, M.**, P. Antczak, F. Falciani, and M. Vannucci. "A Bayesian model for the identification of differentially expressed genes in Daphnia magna exposed to munition pollutants". In: *Biometrics* 71.3 (2015), pp. 803–811.

[34] K.M. Fronczyk, **Guindani, M.**, B.P. Hobbs, C.S. Ng, and M. Vannucci. "A Bayesian Nonparametric Approach for Functional Data Classification with Application to Hepatic Tissue Characterization". In: *Cancer Informatics* 14s5 (2015), pp. 151–162.

[33] R. Graziani, **Guindani, M.**, and P.F. Thall. "Bayesian nonparametric estimation of targeted agent effects on biomarker change to predict clinical outcome". In: *Biometrics* 71.1 (2015), pp. 188–197.

[32] J. Lee, I. Teo, **Guindani, M.**, G.P. Reece, M.K. Markey, and M.C. Fingeret. "Associations between psychosocial functioning and smiling intensity in patients with head and neck cancer". In: *Psychology, Health and Medicine* 20.4 (2015), pp. 469–476.

[31] L. Nardo, M. Han, M. Kretschmar, **Guindani, M.**, K. Koch, T. Vail, R. Krug, and T.M. Link. "Metal artifact suppression at the hip: diagnostic performance at 3.0 T versus 1.5 Tesla". In: *Skeletal Radiology* 44.11 (2015), pp. 1609–1616.

[30] B. Ren, Z. Azzegagh, A.M. Jaramillo, Y. Zhu, A. Pardo-Saganta, R. Bagirzadeh, J.R. Flores, W. Han, Y.-J. Tang, J. Tu, D.M. Alanis, C.M. Evans, **Guindani, M.**, P.A. Roche, J. Rajagopal, J. Chen, C.W. Davis, M.J. Tuvim, and B.F. Dickey. "SNAP23 is selectively expressed in airway secretory cells and mediates baseline and stimulated mucin secretion". In: *Bioscience Reports* 35.3 (2015).

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[25] E.M. Airoldi, T. Costa, F. Bassetti, F. Leisen, and **Guindani, M.** "Generalized Species Sampling Priors With Latent Beta Reinforcements". In: *Journal of the American Statistical Association* 109.508 (2014), pp. 1466–1480.

[24] A. Cassese, **Guindani, M.**, and M. Vannucci. "A Bayesian integrative model for genetical genomics with spatially informed variable selection". In: *Cancer Informatics* 13 (2014), pp. 29–37.

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[14] B.S. Shao, **Guindani, M.**, and D.D. Boyd. "Fatal accident rates for instrument-rated private pilots". In: *Aviation Space and Environmental Medicine* 85.6 (2014), pp. 631–637.

[13] L. Zhang, **Guindani, M.**, F. Versace, and M. Vannucci. "A spatio-temporal nonparametric Bayesian variable selection model of fMRI data for clustering correlated time courses". In: *NeuroImage* 95 (2014), pp. 162–175.

[12] S. Zhang, G.C. Migliaccio, P.A. Zandbergen, and **Guindani, M.** "Empirical assessment of geographically based surface interpolation methods for adjusting construction cost estimates by project location". In: *Journal of Construction Engineering and Management* 140.6 (2014).

[11] D. Di Mascolo, C.J. Lyon, S. Aryal, M.R. Ramirez, J. Wang, P. Candeloro, **Guindani, M.**, W.A. Hsueh, and P. Decuzzi. "Rosiglitazone-loaded nanospheres for modulating macrophage-specific inflammation in obesity". In: *Journal of Controlled Release* 170.3 (2013), pp. 460–468.

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[4] S. Petrone, **Guindani, M.**, and A.E. Gelfand. "Hybrid Dirichlet mixture models for functional data". In: *Journal of the Royal Statistical Society. Series B: Statistical Methodology* 71.4 (2009), pp. 755–782.

[3] J.A. Duan, **Guindani, M.**, and A.E. Gelfand. "Generalized spatial Dirichlet process models". In: *Biometrika* 94.4 (2007), pp. 809–825.

[2] **Guindani, M.** and A.E. Gelfand. "Smoothness properties and gradient analysis under spatial Dirichlet process models". In: *Methodology and Computing in Applied Probability* 8.2 (2006), pp. 159–189.

Other Articles

[4] M.-Y. Cheng, **Guindani, M.**, J.W. Lee, Y. Li, and C.C. Liu. "Editorial, Special Issue on Biostatistics". In: *Computational Statistics and Data Analysis* 132 (2019), pp. 1–2.

[3] Michele Guindani and Wesley O. Johnson. "More nonparametric Bayesian inference in applications". In: *Statistical Methods & Applications* 27.2 (2017), pp. 239–251.

[2] X. Li, **Guindani, M.**, C.S. Ng, and B.P. Hobbs. "Classification of adrenal lesions through spatial Bayesian modeling of GLCM". In: *Proceedings - International Symposium on Biomedical Imaging* (2017), pp. 147–151.

[1] **Guindani, M.** "Contributed discussion on article by Finegold and Drton: Comment by Michele Guindani". In: *Bayesian Analysis* 9.3 (2014), pp. 567–569.

Book Chapters

[5] Yinsen Miao, Jeong Hwan Kook, Yadong Lu, **Michele Guindani**, and Marina Vannucci. "Chapter 7 - Scalable Bayesian variable selection regression models for count data". In: *Flexible Bayesian Regression Modelling*. Ed. by Yanan Fan, David Nott, Michael S. Smith, and Jean-Luc Dortet-Bernadet. Academic Press, 2020, pp. 187–219. ISBN: 978-0-12-815862-3.

[4] A. Cassese, **Guindani, M.**, and M. Vannucci. "iBATCGH: Integrative Bayesian analysis of transcriptomic and CGH data". In: *Abel Symposia* 11 (2016), pp. 105–123.

[3] F. Bassetti, F. Leisen, E. Airoldi, and **Guindani, M.** "Species sampling priors for modeling dependence: An application to the detection of chromosomal aberrations". In: *Nonparametric Bayesian Inference in Biostatistics* (2015), pp. 97–114.

[2] A.E. Gelfand, Michele Guindani, and S. Petrone. "Bayesian nonparametric modelling for spatial data using Dirichlet processes (with discussion)." In: *Bayesian Statistics 8*. Oxford University Press, 2007.

[1] Michele Guindani, K.-A. Do, P. Mueller, and J. Morris. "Bayesian Mixture models for Gene Expression and Protein Profiles." In: *Bayesian Inference for Gene Expression and Proteomics.* Ed. by K.-A. Do, P. Mueller, and M. Vannucci. Cambridge University Press, 2006.

Grants and Contracts

At University of California, Los Angeles

Funded

MPI, R01CA249422: Basic applications for total-body PET oncology (09/12/2019 - 08/31/2024), NIH, (Subcontract from UC Davis), PI: Lorenzo Nardo

Co-I, 2R01DA032581-05A1: Incentive salience and the neuropsychological under-pinnings of cue-induced smoking relapse (00011685) (07/15/2020 - 04/30/2024), , NIH (Subcontract from The University of Texas MD Anderson Cancer Center - Houston), PI: Francesco Versace

Co-I, Drug Eluting Silk Fibroin Grafts for Repair of Long Urethral Strictures, NIH (subcontract from UCI), 4/1/2023 - 12/31/2026, PI: Joshua Mauney

Completed

At University of California, Irvine

NSF SES-1659921: Collaborative Research: Bayesian Approaches for Inference on Brain Connectivity (07/01/2017-06/30/2021), PI.

At the University of Texas MD Anderson Cancer Center (MDACC)

Co-Investigator, 25%, Texas Center for Cancer Nanomedicine - Biomathematics Core (PC-1), 5 U54 CA151668 04, NIH/NCI (Subcontract from The University of Texas Health Science Center - Houston), PI - Anil Sood, 9/1/2010–7/31/2016, $907,067 ($90,457/year)

Co-Investigator, 5%, Partnering with Mexico and Colombia Sister Institutions to culturally adapt and test a tobacco prevention and cessation program targeting Latino adolescents, FRed# 40140, UTMDACC Sister Institution Network Fund, PI - Dr. Alexander Prokhorov, 7/1/2015–6/30/2016, $99,865 ($99,865/year)

MDACC Principal Investigator, 6%, Efficacy and Safety of Beta-adrenoceptor Inverse Agonist, Nadolol in Mild Asthma, 5 U01 AI095050 03, NIH/NIAID (Subcontract from Baylor College of Medicine) , PI - Nicola Hanania, 8/15/2011–7/31/2016, $30,523 ($14,139/year)

Co-Investigator, 3%, 3-D Computer Modeling for Optimizing Body Image Following Breast Reconstruction, 5 R01 CA143190 05, NIH/NCI (Subcontract from the University of Texas - Austin), PI - Michelle C. Fingeret, 8/1/2010–5/31/2016, $647,750 ($156,651/year)

Co-Investigator, 20%, The University of Texas M.D. Anderson Cancer Center SPORE in Melanoma (PC-C), 5 P50 CA093459 09, NIH/NCI, PI - Elizabeth Grimm, 12/1/2001–8/31/2015, $1,466,420 ($156,137/year)

Co-Investigator, 3%, Quantifying Appearance Changes Following Breast Reconstruction, UTA09-000493 03, American Cancer Society (ACS) (Subcontract from University of Texas - Austin), PI - Michelle C. Fingeret, 7/1/2009–6/30/2014, $190,262 ($52,483/year)

Co-Investigator, 4%, ARRA: Enhanced Smoking Cessation for University Students (PP-Main), 5 R01 CA069425 09, NIH/NCI, PI - Alexander Prokhorov, 9/30/2009–8/31/2012, $927,324 ($426,780/year)

Co-Investigator, 4%, Body Image Functioning in Cancer Patients Undergoing Facial Reconstruction, MRSG-10-010-01-CPPB 03, American Cancer Society (ACS), PI - Michelle C. Fingeret, 1/1/2010–12/31/2013, $675,735 ($135,000/year)

Co-Investigator, 5%, Feasibility of a Couple vs. an Individual-Oriented Mood Management Intervention for Distressed Lung Cancer Patients, N/A, UT MDACC Duncan Family Institute, PI - Cindy L. Carmack, 2/1/2012–1/31/2014, $99,120 ($49,880/year)

Co-Investigator, 5%, Adherence to Swallowing Rehabilitation Exercises in Head and Neck Cancer (Administrative Supplement), 3 R01 DE019141-04S1, NIH/NIDCR, PI - Eileen Shinn, 9/1/2012–8/31/2013, $118,468 ($74,980/year)

Co-Investigator, 2%, Adherence to Swallowing Rehabilitation Exercises in Head and Neck Cancer, 5 R01 DE019141 05, NIH/NIDCR, PI - Eileen H. Shinn, 9/1/2012–8/31/2014, $1,420,567 ($196,576/year)

Statistician, 5%, Moon Shot (Youth Prevention) Flagships, 71049980111543 19, The University of Texas MD Anderson Cancer Center, PI - Heymach, 12/1/2014–8/31/2015, $6,865 ($6,865/year)

Statistician, 4%, Combatting Tobacco Use in the United States Army, W81XWH-09-2-0033 04, Department of Defense (DOD), PI - Alexander Prokhorov, 12/1/2014–3/31/2016, $2,373,953 ($608,735/year)

Teaching

Formal Teaching

Advanced Topics in Modern Bayesian Statistical Inference, University of California, Los Angeles, **Biostat 285**
Spring 2023

Statistical Methods III: Methods for Correlated Data, University of California, Irvine, **Stats 212**
Spring 2020, Spring 2021, Spring 2022

Advanced Topics in Modern Bayesian Statistical Inference, University of California, Irvine, **Stats 226**
Spring 2020, Spring 2021

Statistical Methods III: Longitudinal Data Analysis, University of California, Irvine, **Stats 210C**
Spring 2018, Spring 2019

Statistical Computing Methods, University of California, Irvine, **Stats 230**
Spring 2019

Statistical Methods for Data Analysis III, University of California, Irvine, **Stats 203**
Spring 2017

Introduction to Bayesian Data Analysis (graduate students), University of California, Irvine, **Stats 205**
Winter 2017, Winter 2018, Winter 2019, Winter 2020, Winter 2021, Winter 2022

Introduction to Bayesian Data Analysis (undergraduate students), University of California, Irvine, **Stats 115**
Winter 2017, Winter 2018, Winter 2019

Time Series Analysis, University of California, Irvine, **Stats 245**
Winter 2017, Fall 2018, Winter 2022

Bayesian Data Analysis, University of California, Irvine, :**Stats 225**
Winter 2018

Advanced Bayesian Statistics, Rice University, Course Number: **Stat 522**, and The University of Texas Graduate School of Biomedical Sciences in Houston (GSBS), **GS011203**
Fall 2011, Fall 2012, Fall 2014, Spring 2016

Modern Multivariate Analysis and its applications, The University of Texas Graduate School of Biomedical Sciences in Houston (GSBS), **GS011173**
Spring 2014

Elements of Mathematical Statistics and Probability, University of New Mexico, **Stat 345**
Spring 2008, Fall 2008, Spring 2009

Biostat Methods I for Public Health and Medical Sciences, University of New Mexico, **Stat 538**
Fal 2007, Fall 2008, Fall 2009

Statistical Computing, University of New Mexico, **Stat 590**
Spring 2008

Probability, University of New Mexico, : **Stat 461/561**
Fall 2009

Additional Teaching

Bayesian Modeling of Brain Imaging Data, ISBA World Meeting (virtual), Short Course, 06/25, 2021

Bayesian Modeling of Brain Imaging Data, CMStatistics (Virtual) , Short Course, 12/18, 2020

Bayesian Modeling of Brain Imaging Data, 32 Foro Nacional de Estadistica, Mexican Statistical Association, Short Course, 09/25 and 09/26, 2017.

Research Mentorship

Ph.D. Dissertation Supervision

11. Jaylen Lee (Ph.D. 2022, University of California, Irvine)
- Currently Principal Statistician in the Biostatistics, Epidemiology, and Research Design (BERD) Unit at UCI
- Ph.D. Thesis title: *Bayesian State Space Models for Dynamic Functional Connectivity using fMRI Data.*

10. Laura D'Angelo (Ph.D. 2022, Università degli Studi di Padova, Italy)
- Currently Postdoctoral Fellow at Università Bicocca, Milano.
- Ph.D. Thesis title: *Bayesian Modeling of Calcium Imaging Data* (co-Advisor with Antonio Canale, Università degli Studi di Padova).

9. **Wei Zhang** (Ph.D. 2021, Bocconi University (*with honors*))
- Currently Postdoctoral Fellow, Università della Svizzera italiana.
- Ph.D. Thesis title: *Scalable Bayesian dynamic regression in neuroimaging* (co-Advisor with Sonia Petrone, Bocconi University).

8. **Francesco Denti** (Ph.D. 2020, Joint Ph.D. University of Milan-Bicocca and Università della Svizzera italiana (*with honors*))
- Currently Assistant Professor, Universitá Cattolica, Milano, Italy
- Ph.D. Thesis title: *Bayesian mixtures for large scale inference* (co-Advisor with Antonietta Mira, Università della Svizzera italiana, and Fulvia Mecatti, University of Milan-Bicocca).

7. **Ryan Warnick** (Ph.D. 2018, Rice University)
- Currently Data Scientist, Microsoft
- Ph.D. Thesis title: *Bayesian Joint Graphical Modeling Approaches for Covariance and Dynamic Functional Connectivity Analysis from Neuroimaging Data* (co-Advisor with Marina Vannucci, Rice University).
- Awarded a 3-year NSF Graduate Research Fellowship.

6. **Lechuan Hu** (Ph.D. 2018, University of California, Irvine)
- Currently Data Scientist II, Amazon.
- Ph.D. Thesis title: *Modeling Connectivity in Multi-trial Brain Signals* (co-Advisor with Hernando Ombao, King Abdullah University of Science and Technology).

5. **Xiao Li** (Ph.D., 2018, University of Texas Health Sciences)
- PHC Data Scientist, Genentech.
- Ph.D. Thesis title: *Bayesian spatial and nonparametric models for cancer radiomics* (co-Advisor with Brian Hobbs, University of Texas, Austin)

4. **Duncan Wadsworth** (Ph.D. 2016, Rice University)
- Currently Data Scientist, Apple,
- Ph.D. Thesis title: *Bayesian Methods for the Analysis of Microbiome Data*.

3. **Sharon Chiang** (Ph.D. 2016, Rice University)
- Currently, Resident Physician at University of California, San Francisco.
- Ph.D. Thesis title: *Hierarchical Bayesian Models for Multimodal Neuroimaging Data* (co-Advisor with Marina Vannucci, Rice University).
- Awarded a 3-year NLM Training Fellowship in Biomedical Informatics.

2. Linlin Zhang (Ph.D. 2015, Rice University).
- Currently Senior Data Scientist, ExxonMobil, Houston, TX.
- Ph.D. Thesis title: *Bayesian Nonparametric Models for Functional Magnetic Resonance Imaging (fMRI) data* (co-Advisor with Marina Vannucci, Rice University).
- Honorable mention, 2015 ISBA Savage Award for Best Thesis in Applied Methodology.

1. Yan Dong (Ph.D. 2015, University of New Mexico)
- Currently Research Scientist at Eli Lilly and Company, Princeton, NJ
- Ph.D. Thesis title: *Nonparametric Bayes approach for a Semi-Mechanistic Pharmacokinetic and Pharmacodynamic Model*

Current students

For an updated list of **current students**, please refer to my webpage:
https://www.micheleguindani.info/people/

Other Direct Supervision

Research Mentor, **Postdoctoral Fellow**, Kassandra Fronczyck, Ph.D., The University of Texas MD Anderson Cancer Center & Rice University, (10/2011–07/2014) - now at *Lawrence Livermore National Laboratory*, see research gate page

Research Mentor, **Postdoctoral Fellow**, Alberto Cassese, Ph.D. (08/2014–06/2015), The University of Texas MD Anderson Cancer Center & Rice University, - now at *Maastricht University*, Maastricht NL.

Research Mentor, **Visiting Postdoctoral Fellow**, Bernardo Nipoti, Ph.D., The University of Texas MD Anderson Cancer Center, (01/2012–08/2012) - now at Trinity College, Dublin, Ireland.

Research Internship Mentor,**Visiting Graduate Student**, Ronaldo Rouvher Guedes Silva, Rice University and University of Padoa, Italy, 10/2014-12/2015 - now Postdoctoral Fellow at University of Verona, Italy

Summer Internship Mentor, **Visiting Graduate Student**, Weixuan Zhu, (Summer 2014 & 2015), Universidad Carlos III, Madrid - now Postdoctoral Fellow at The University of Sheffield, UK

Summer Internship Mentor, **Undergraduate Student**, Bob Shao (6/2013–8/2013)

Supervisory Committees – at UCLA

Examining PHD Committees

Nicholas Marco, Spring 2023

Supervisory Committees – at UCI

Examining PHD Committees

Jaylen Lee, Summer 2022

Yadong Lu, Spring 2021

Tong Shen, Winter 2021

Fan Yin, Summer 2020

Yannan Tang, Summer 2020

Lars Hertel, Fall 2019

Maricela Francis Cruz, Summer 2019

Di Zhang, Spring 2019

Lechuan Hu, Statistics, Summer 2018 (chair)

Yuxiao Wang, Statistics, Spring 2017

Fletcher Christensen, Statistics, Fall 2017

Advancement Proposal Committees

Federica Zoe Ricci, Spring 2022

Daniel Frishberg, Spring 2021

Jaylen Lee, Statistics, Summer 2020 (chair)

Alvin Garcia, Physics, Spring 2020

Yadong Lu, Statistics, Spring 2019

Gabe Hope, Computer Sciences, Spring 2019

Fan Yin, Statistics, Spring 2019

Hua Wally Xie, Mathematical, Computational, and Systems Biology, Summer 2018

Colin Kupitz, Cognitive Sciences, Summer 2018

Kyle Kettler, Economics, Fall 2017

Lechuan Hu, Statistics, Winter 2017

Chris Galbraith, Statistics, Spring 2017

Amaze Basilwa Lusompa, Economics, Spring 2017

Lars Hertel, Statistics, Spring 2017

Di Zhang, Statisitcs, Fall 2017

Supervisory Committees – outside home instiution

External Evaluator, PhD Dissertation, University of Florence, Italy, Claudio Busatto, Spring 2023

External Evaluator, PhD Dissertation, Bocconi University, Italy, Francesco Gaffi, Fall 2022

External Evaluator, PhD Dissertation, Warsaw University - Poland, Lukasz Rajkowski, Spring 2021

External Evaluator, PhD Dissertation, University of Padova, Italy, Andrea Sottosanti, Fall 2019

External Evaluator, PhD Dissertation, University of Padova, Italy, Sally Paganin, Fall 2018

Member, Advancement PhD Committee, UCSC, Rene Gutierrez, Spring 2017

Member, Advancement PhD Committee, UCSC, Dan Spencer, Winter 2017

Member, Advancement PhD Committee, Rice University, Ryan Warnick, Fall 2017

Member, Advisory and Examining PhD Committee, Rice University, Qiwei Li, Fall 2016

Member, Advisory and Examining MS Committee, UT GSBS, Daniela Branco, 09/2015-08/2016

Member, Advisory Ph.D. Committee, UT GSBS, Tianjiao Dai, Biostatistics, Bioinformatics and System Biology, 11/2014–08/2016

Member, Advisory and Examining MS/Ph.D. Committees, UT GSBS, Rubinstein Ashley, Medical Physics, 5/2013–08/2016

Member, Advisory Ph.D. Committee, UT GSBS, Medical Physics, Daniel Craft, 3/2015-08/2016

Member, Advisory and Examining MS Committee, UT GSBS, Medical Physics, Mattie McInnis, S.M.S., 10/2014–8/2015

Member, Advisory Ph.D. Committee, UT GSBS, Hua Ai, Medical Physics, 12/2012–5/2015

Member, Advisory MS Committee, UT GSBS, Biostatistics, Bioinformatics and System Biology, GSBS, Chrstina Mesun Hahn, PhD, 1/2014—1/2015

Member, Ph.D. Final Dissertation Committee, Applied Mathematics, Harvard University, Tiago Costa, 1/2014–10/2014

Member, Advisory and Examining Ph.D. Committees, University of New Mexico, Computer Science, Ben Yackley, 07/2011–04/2014

Member, Examining Ph.D. Committee, University of New Mexico, Statistics, Alejandro Villagran, Spring 2009

Member, Examining Ph.D. Committee, University of New Mexico, Statistics, Min Zhu, Spring 2009

Member, Examining Ph.D. Committee, University of New Mexico, Statistics, Erik Erhart, Spring 2009

Member, Examining Ph.D. Committees, University of New Mexico, Statistics, Yizhou Jiang, Spring 2009

Member, Examining Ph.D. Committees, University of New Mexico, Statistics, Wenxia Ying, Spring 2008

Member, Examining MS Committees, University of New Mexico, Statistics, William Sumner, Fall 2008

Member, Examining MS Committees, University of New Mexico, Civil Engineering, Ao Chen, Spring 2008

Conferences and Symposia

Organization of Conferences/Symposia (Include Session Organizer)

21 The 25th International Conference on Computational Statistics (COMPSTAT 2023), Scientific Program committee, member, Birkbeck, University of London, UK, 22-25 August 2023

20 6th International Conference on Econometrics and Statistics (EcoSta 2023), Scientific Program committee, Co-chair, Waseda University, Tokyo, Japan, August 1-3, 2023

19 2021 Joint Statistical Meetings, Virtual Conference, Session Organizer & Chair, August 2021

18 2020 Joint Statistical Meetings, Virtual Conference, Session Organizer & Chair, August 2020

17 2020 Symposium on Data Science & Statistics, Virtual Conference, Session Organizer & Chair, June 2020

16 ISBA World Meeting 2020/2021, International Society of Bayesian Analysis, Kunming, Yunnan, China, Member of the Scientific Committee (postponed to Virtual Meeting - June 2021)

15 Statistical Methods in Imaging 2019, annual meeting of the ASA Section on Imaging, UCI, Member of the Local Organizing Committee, co-chair of the Scientific Committee, June 2-4, 2019

14 ISBA World Meeting 2018, International Society of Bayesian Analysis, Edinburgh, UK, Member of the Scientific Committee, 6/2018

13 CFE-CMStatistics 2017, London, UK, Co-chair, 16-18 December 2017

12 The First Eastern Asia Meeting on Bayesian Statistics (A Satellite Meeting of the 10th ICSA International Conference), member of the Scientific Program Committee, 18/12/2016

11 The 10th ICSA International Conference, Shanghai, China, Session Organizer, 12/2016

10 CMStatistics 2016, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics, University of Seville, Seville, Spain, Session Organizer, 12/2016

9 ISBA World Meeting 2016, International Society of Bayesian Analysis, Sardinia, Italy, Program Chair of the Scientific Committee, 6/2016

8 CMStatistics 2015, 8th International Conference of the ERCIM WG on Computational and Methodological Statistics, London, United Kingdom, Session Organizer & Chair, 12/2015

7 ERCIM Computational and Methodological Statistics, Pisa, Italy, Session Organizer & Chair, 12/2014

6 ISBA World Meeting, International Society of Bayesian Analysis (ISBA), Cancun, Mexico, ISBA Program Council Member, 7/2014

5 ERCIM Computational and Methodological Statistics, ERCIM, London, United Kingdom, Session Organizer & Chair, 12/2013

4   ENAR, Easter North American Region, ISBA, International Society of Bayesian Analysis, Orlando, FL, Session Organizer & Chair, 3/2013

3   JSM, Joint Statistical Meeting of the American Statistical Association, American Statistical Association, Biometrics Session, San Diego, CA, Session Organizer & Chair, 8/2012

2   ENAR, Easter North American Region, ASA, American Statistical Society Biometrics Section, Washington, DC, Session Organizer & Chair, 4/2012

1   Joint Statistical Meeting, International Society of Bayesian Analysis, ENAR , International Chinese Statistical Association , International Indian Statistical Association, Section on Bayesian Statistical Science, Miami, FL, Session Organizer & Chair, 8/2011

Presentations at National or International Conferences

Keynote/Plenary

3   Bayesian approaches for capturing theheterogeneity of neuroimaging experiments – SIS 2022, Italy, 06/23/2022

2   Within, Between, Beyond: Methods for assessing variability in brain imaging – CFE-CMStatistics 2020, Virtual Conference, 12/21/2020

1   Semi-plenary talk: Two-group mixture models for multiple testing: a Bayesian Nonparametrics perspective – Latin American Congress of Probability and Mathematical Statistics (CLAPEM), Merida, Yucatan, Mexico, 12/04/2019.

Invited

79 Bayesian Approaches for studying brain connectivity - Advances in Bayesian Statistics An international workshop in honor of Piero Veronese, Bocconi University, Milan, Italy, 06/12/2023

78 A Bayesian Time-Varying Psychophysiological Interaction (PPI) Model for functional connectivity - 2023 IISA Conference, Colorado School of Mines, Golden, Colorado USA, 06/01/2023

77 A Bayesian Time-Varying Psychophysiological Interaction (PPI) Model for functional connectivity - Statistical Methods in Imaging, Minneapolis, UMN, 05/23/2023

76 A Bayesian Time-Varying Psychophysiological Interaction (PPI) Model for functional connectivity - Workshop: Statistical Challenges for Complex Brain Signals and Images, Oaxaca, Mexico, 05/03/2023

75 A Predictor-Informed Multi-Subject BayesianApproach for Dynamic Functional Connectivity– ENAR 2023, Nashville, TN, 03/20/2023

74 A Predictor-Informed Multi-Subject BayesianApproach for Dynamic Functional Connectivity– IISA 2022, Bangalore, India, 12/27/2022

73 A Predictor-Informed Multi-Subject BayesianApproach for Dynamic Functional Connectivity– ICSDS 2022, Florence, Italy, 12/17/2022

72 Bayesian Approaches for studying theheterogeneity of subgroup distributions – Pfizer, Zoom, 12/08/2022

71 Bayesian Nonparametric approaches for capturingthe heterogeneity of neuroimaging experiments – BNP 13 World Meeting, Puerto Varras, Chile, 10/25/2022

70 Bayesian approaches for clustering distributionalfeatures in neuroimaging experiments – ISBA 2022 World Meeting, Montreal, Canada, 06/27/2022

69 Bayesian Time-Varying Tensor Vector Autoregressive Models for Dynamic Effective Connectivity – CMStatistics 2021, Virtual Conference, 12/02/2021

68 A Common Atom Model for the Bayesian Nonparametric Analysis of Nested Data - Foundations of Objective Bayesian Methodology Workshop – Casa Matemática Oaxaca (CMO), 11/30/2021

67 Recent Advances in Bayesian Approaches to Neuroimaging – JSM 2021, Virtual Conference, 08/10/2021

66 Bayesian Time-Varying Tensor Vector Autoregressive Models for Dynamic Effective Connectivity– ISBA WM 2021, Virtual Conference, 07/02/2021

65 A Common Atom Model for the Bayesian Nonparametric Analysis of Nested Data – EcoStat 2021, Virtual Conference, 06/24/2021

64 Modeling human microbiome data via latent nested non-parametric priors– JSM 2020, Virtual Conference, 08/03/2020

63 A Bayesian Approach to Dynamic Functional Connectivity – ENAR 2020, Virtual Conference, 03/24/2020

62 Modeling human microbiome data via latent nested non-parametric priors – BayesComp 2020, Gainesville, Fl, 01/09/2020

61 Modeling human microbiome data via latent nested non-parametric priors – 2019 International Indian Statistical Association (IISA) conference, Mumbai, India, 12/28/2019

60 A Bayesian Approach to Dynamic Functional Connectivity – CMStatistics 2019, 12th International Conference of the ERCIM WG on Computational and Methodological Statistics, University College of London, London, UK, 12/15/2019.

59 A Bayesian Nonparametric Approach for Dynamic Model Selection – 62nd ISI World Statistics Congress, Kuala Lumpur, Malaysia, 08/20/2019

58 A Bayesian Approach to Dynamic Functional Connectivity (Invited ISBA Session) – 62nd ISI World Statistics Congress, Kuala Lumpur, Malaysia, 08/20/2019

57 A Bayesian Nonparametric Approach for Dynamic Model Selection – Novel Statistical Methods for Complex Data, A conference honouring Wesley O. Johnson, Viña del Mar, Chile, 03/26/2019

56 A Bayesian Nonparametric Approach for Dynamic Model Selection – New Mexico ASA Chapter, Santa Fe, 04/12/2019.

55 Bayesian Methods in Medical Imaging – CMStatistics 2018, 11th International Conference of the ERCIM WG on Computational and Methodological Statistics, University of Pisa, Pisa, 12/16/2018.

54 A Bayesian Nonparametric Spiked Process Prior for Dynamic Model Selection – ISBA 2018, University of Edinburgh, Edinburgh, Scotland, UK, 06/29/2018

53 A Bayesian Nonparametric Spiked Process Prior for Dynamic Model Selection – EcoSta 2018, Hong Kong, 06/20/2018

52 A Bayesian Nonparametric Spiked Process Prior for Dynamic Model Selection – ISNPS 2018, Salerno, Italy, 06/20/2018

51 A Bayesian Nonparametric Spiked Process Prior for Dynamic Model Selection – IISA 2018, Gainesville, Florida, 05/18/2018

50 A Bayesian approach for multi-subject effective connectivity inference using multi-modal neuroimaging data – CMStatistics 2017, 10th International Conference of the ERCIM WG on Computational and Methodological Statistics, University College of London, London, 12/16/2017.

49 Discussant of Rubio, Javier (LSHTM, London), Tractable Bayesian variable selection: beyond normality – 2017 OBayes Meeting, Austin, December 11th, 2017

48 Application of Bayesian spatio-temporal models to the analysis of brain imaging data – CBMS: Regional Conference On Spatial Statistics – University of California Santa Cruz, August 17th, 2017

47 A Bayesian Approach for Multi–Subject Effective Connectivity Inference Using Multi–Modal Neuroimaging Data – Joint Statistical Meeting of the American Statistical Association, 2017, Section on Statistics in Imaging – Baltimore, July 31st, 2017

46 A Bayesian Nonparametric approach for the analysis of multisubject fMRI data – 61st World Statistics Congress - ISI 2017 - Marrakech, July 21st, 2017

45 A Bayesian Nonparametric Spiked Process Prior for Dynamic Model Selection - 11th Conference on Bayesian Nonparametrics, Paris, June 29th, 2017

44 Challenges and opportunities in Bayesian statistical imaging - Conference in Honor of Professor P. Muliere - Bocconi University, Milan, Italy, June 12th, 2017

43 A spatio-temporal nonparametric Bayesian model of multi-subject fMRI data - CMStatistics 2016, 9th International Conference of the ERCIM WG on Computational and Methodological Statistics, University of Seville, Seville, Spain, 12/11/2016.

42 Integrative Bayesian Modeling Approaches to Imaging Genetics - 2016 Challenges and Advances on Big Data in Neuroimaging - Cleveland Clinic, Ohio, 08/25-08/26/2016

41 Integrative Bayesian Modeling Approaches to Imaging Genetics - Transition Workshop of the Program on Challenges in Computational Neuroscience (CCNS), SAMSI, NC, 05/04 – 05/06/2016

40 Integrative Bayesian Modeling Approaches to Imaging Genetics, Challenges in Functional Connectivity Modeling and Analysis, SAMSI, NC, 04/08 – 04/10/2016

39 Bayesian predictive modeling for imaging genetics with application to schizophrenia, Banff International Research Station, Banff, Canada, 2/1/2016

38 A Bayesian approach to the study of dynamic functional connectivity networks in fMRI data, CMS Statistics, London, United Kingdom, 12/13/2015

37 A Bayesian approach to the study of dynamic functional connectivity networks in fMRI data, CMS Statistics, London, United Kingdom, 12/13/2015

36 A Bayesian Approach to the Study of Dynamic Functional Connectivity Networks in fMRI Data, Joint Statistical Meeting of the American Statistical Association, 2015, Section on Statistics in Imaging , Section on Bayesian Statistical Science , International Society for Bayesian Analysis (ISBA), Seattle, WA, 8/12/2015

35 Bayesian modeling approaches to the study of Dynamic Functional Connectivity Networks in fMRI data, Organization for Human Brain Mapping (OHBM 2015), Honolulu, HI, 6/16/2015

34 An Integrative Bayesian Modeling Approach to Imaging Genetics, Workshop in Statistical Methods in Imaging at University of Michigan, Ann Arbor, MI, 5/28/2015

33 Generalized Species Sampling prior and application to array CGH data, Alan Gelfand's 70th Birthday - Duke University, Durham, NC, 4/21/2015

32 A Hierarchical Bayesian Model for Inference of Copy Number Variants and Their Association to Gene Expression, Institute of Applied Statistics, Colombo, Sri Lanka, 12/28/2014

31 Bayesian nonparametric modeling of clustered survival data, ERCIM Computational and Methodological Statistics, Pisa, Italy, 12/6/2014

30 Annual Neuroengineering Symposium. An Integrative Bayesian Modeling Approach to Imaging Genetics, Gulf Coast Cluster for NeuroEngineering, Houston, TX, 10/27/2014

29 A hierarchical Bayesian model for inference of copy number variants and their association to gene expression, International Society of Bayesian Analysis, Cancun, Mexico, 7/18/2014

28 A Spatio-Temporal Nonparametric Bayesian Variable Selection Model of fMRI Data for Clustering Correlated Time Courses, Indian Statistical Association, Riverside, CA, 7/12/2014

27 Bayesian Nonparametric Modeling of Clustered Survival Data, International Conference on Survival Analysis in Memory of John P. Klein, Medical College of Wisconsin, Milwaukee, WI, 6/26/2014

26 A Bayesian Variable Selection Model for the Clustering of Time Courses in FMRI data, SIS - Italian Statistical Association, Cagliari, Italy, 6/11/2014

25 A Hierarchical Bayesian Model for Inference of Copy Number Variants and their Association to Gene Expression, Conference in Honor of H.N. Nagaraja, Dallas, TX, 3/8/2014

24 Bayesian Nonparametric Estimation of Targeted Agent Effects on Biomarker Change to Predict Clinical Outcome, ERCIM 2014, London, United Kingdom, 12/15/2013

23 Bayesian nonparametric estimation of targeted agent effects on biomarker change to predict clinical outcome, International Society Bayesian Analysis - Bayesian Nonparametrics Meeting, Amsterdam, Netherlands, 6/23/2013

22 Species Sampling priors for the analysis of array CGH data, ISBA Regional Meeting, Varanasi, India, 1/7/2013

21 Test-based phase II time-to-event targeted therapy trials, Institute for Research in Biomedicine, Barcelona, Spain, 12/17/2012

20 Species Sampling priors for the analysis of array CGH data, ERCIM, Oviedo, Spain, 12/4/2012

19 Species Sampling priors for the analysis of array CGH data, ICERM - Brown University, Providence, RI, 9/18/2012

18 Bayesian Non parametric identication of Pre-versus-Post treatment biomarker effects on Progression free survival, Universita' Bocconi, Milano, Milano, Italy, 9/13/2012

17 Species Sampling priors for the analysis of array CGH data, International Society for Bayesian Analysis, Kyoto, Japan, Japan, 6/27/2012

16 A Bayesian Discovery Procedure, Interface 2012, Houston, TX, 5/16/2012

15 Nonparametric Bayes Functional Regression for A PK/PD Semimechanistic Model, WNAR , ENAR , International Indian Statistical Association , Section for Statistical Programmers and Analysts, American Statistical Association - Joint Statistical Meeting, Miami, FL, 8/3/2011

14 Generalized Species Sampling Priors with Latent Beta reinforcements, Statistics 2011 Canada, Montreal, Quebec, Canada, 7/2/2011

13 Generalized Species Sampling Priors with Latent Beta reinforcements,Bayesian Nonparametric Workshop, Veracruz, Mexico, Mexico, 6/27/2011

12 A Bayesian Discovery Procedure, WNAR The Western North American Region of The International Biometric Society, San Luis Obispo, CA, 6/22/2011

11 A Bayesian Semiparametric Model for the differential analysis of Sequence Counts Data, Southern Biomedical Engineering Conference, Arlington, TX, 4/30/2011

10 A Bayesian Semiparametric Model for the differential analysis of Sequence Counts Data, International Indian Statistical Association, Raleigh, NC, 4/23/2011

9 Nonparametric model selection and multiple testing, COMPUTING & STATISTICS (ERCIM 2010), London, United Kingdom, 12/11/2010

8 Program on Space-time Analysis for Environmental Mapping, Epidemiology and Climate Change - Transition Workshop, SAMSI, Research Triangle Park, NC, 10/11/2010

7 Discussant in "Nonparametric Bayes Beyond the Dirichlet Process, Chair "Geostatistical Modeling for Environmental Data," and Author "Air Quality and Health Effects," JSM 2010 Joint Statistical Meeting, Vancouver, Canada, 8/5/2010

6 Applications in Pharmacokinetics and Pharmacodynamics, SAMSI, Research Triangle Park, NC, 7/12/2010

5 A Bayesian Discovery Procedure, New England Statistics Symposium, Harvard University, 4/17/2010

4 A Bayesian Discovery Procedure, Frontiers of Statistical Decision Making and Bayesian Analysis, Conference in honor of Jim Berger, San Antonio, TX, 3/18/2010

3 A Bayesian Discovery Procedure, Chicago Booth School of Business, Chicago, IL, 3/4/2010

2 A Bayesian Discovery Procedure, IISA - International Indian Statistical Association meeting, University of Connecticut, Storrs, CT, 5/23/2008

1 A Bayesian Discovery Procedure, Isaac Newton Institute, Bayesian Analysis of High Dimensional Data Workshop, Warwick, United Kingdom, 4/16/2008

Seminar Invitations from Academic Institutions

33 Bayesian methods for studying heterogeneity in the brain - Department of Mathematical Sciences, Statistics Seminar, UT Dallas, 03/24/2023

32 Bayesian approaches for capturing theheterogeneity of neuroimaging experiments – Department of Statistics, Florida State University, 10/07/2022

31 Bayesian Time-Varying Tensor Vector Autoregressive Models for Dynamic Effective Connectivity – Department of Statistics, Texas A&M, 03/25/2022

30 Bayesian approaches for clustering distributional features in neuroimaging experiments - Royal Statistical Society - West Midlands Local Group, 03/21/2022

29 Bayesian Time-Varying Tensor Vector Autoregressive Models for Dynamic Effective Connectivity – School of Mathematics, University of Edinburgh, 03/21/2022

28 Bayesian methods for studying heterogeneity in brain imaging experiments – Department of Biotatistics, McGill, 11/10/2021

27 Bayesian methods for studying heterogeneity in brain imaging experiments – Department of Statistics and Data Science, UT Austin, 11/05/2021

26 Bayesian methods for studying heterogeneity in brain imaging experiments, Yonsei University, Seoul, 11/02/2021

25 A Common Atom Model for the Bayesian Nonparametric Analysis of Nested Data – Department of Statistics, UC Davis, 05/20/2021

24 A Common Atom Model for the Bayesian Nonparametric Analysis of Nested Data – School of Mathematical Sciences, Queen Mary University of London, UK, 02/24/2021

23 Bayesian Approaches to Dynamic Model Selection – Department of Statistical Sciences – Fox School of Business Temple University, 11/01/2019

22 Bayesian Approaches to Dynamic Model Selection – Department of Statistics and Applied Probability – University of California, Santa Barbara, 10/23/2019

21 Bayesian Approaches to Dynamic Model Selection – Department of Statistics – Brigham Young University – 02/21/2019

20 Bayesian Approaches in Dynamic Model Selection – Department of Decision Sciences – Bocconi University – 09/12/19

19 A Bayesian Nonparametric Spiked Process Prior for Dynamic Model Selection – Department of Biostatistics – UCLA, 05/09/18

18 A Bayesian Nonparametric Spiked Process Prior for Dynamic Model Selection – Data Sciences and Operations Department (DSO) – University of Southern California, 11/10/17

17 Bayesian Approaches for Dynamic Model Selection: two contributions – Department of Statistics – Duke University, 10/27/2017

16 Bayesian Approaches for detecting activations and connectivity in fMRI data – Department of Statistics – University of California, Riverside, 05/23/2017

15 Bayesian Approaches for detecting activations and connectivity in fMRI data – Center for Biomedical Informatics & Biostatistics – The University of Arizona, Health Sciences, Tucson, 03/19/2017.

14 Bayesian approaches for the analysis of fMRI data and imaging genetics, University of California – Santa Cruz, Department of Applied Mathematics and Statistics, 11/28/2016.

13 Bayesian approaches for the analysis of fMRI data and imaging genetics, California State University at Fullerton, Department of Mathematics, 11/15/2016.

12 Bayesian approaches for the analysis of fMRI data and imaging genetics, University of Minnesota, Department of Biostatistics, School of Public Health, 11/01/2016.

11 Bayesian approaches for the analysis of fMRI data and imaging genetics, University of Notre Dame, Department of Applied and Computational Mathematics and Statistics, Notre Dame, IN, 10/10/2016

10 Bayesian approaches for the analysis of fMRI data and imaging genetics, University of California at Irvine, Statistics, Irvine, CA, 1/28/2016

9 An Integrative Bayesian Modeling Approach to Imaging Genetics., University of Padoa, Statistics, Padoa, Italy, 12/16/2014

8 Generalized Species Sampling priors and application to the analysis of array CGH data, University of Venice, Economics, Venice, Italy, 12/15/2014

7 An Integrative Bayesian Modeling Approach to Imaging Genetics, Working group in Bioinformatics: Imaging Genetics, SAMSI, Statistical And Applied Mathematical Sciences Insititute, Research Triangle Park, NC, 10/31/2014

6 Test-based phase II time-to-event targeted therapy trials, Universidad Carlos III, Department of Statistics, Madrid, Spain, 12/14/2012

5 Generalized Species Sampling Priors with Latent Beta reinforcements., University of Texas Public Health, Biostatistics, Houston, TX, 10/22/2011

4 Generalized Species Sampling Priors with Latent Beta reinforcements, Texas A&M, Statistics, College Station, TX, 9/22/2011

3 Generalized Species Sampling Priors with Latent Beta reinforcements, Rice University, Department Of Statistics, Houston, TX, 3/14/2011

2 Generalized Species Sampling Priors with Latent Beta reinforcements, Collegio Carlo Alberto - University of Torino, Torino, Italy, 12/16/2010

1 Hybrid Dirichlet mixture for functional data, Georgetown University, Department of Math and Stat at Georgetown University, Washington, DC, 9/30/2010

Contributed talks and Other Presentations

1 An Integrative Bayesian Modeling Approach to Imaging Genetics, ENAR , Section on Statistics in Imaging , Section on Statistics in Marketing , WNAR , Mental Health Statistics Section, American Statistical Association, Boston, MA, 8/3/2014

Professional Memberships & Activities

Professional Society Activities, with Offices Held

National and International

American Statistical Association (ASA)
- Fellow, 2018–present
- Chair-Elect, Section on Statistical Imaging (SI), 2024
- Chair-Elect, Section on Bayesian Statistical Science (SBSS), 2023
- Member of the Section on Bayesian Statistical Science (SBSS), 1/2005–present
- Member of the Biometrics Section, 1/2007–present
- Member of the Statistics in Imaging Section, 6/2013–present
- Member of the Evaluation Committee of the SBSS Student Award, JSM 2011
- Member of the Evaluation Committee of the Statistics in Imaging Section Student Award, JSM 2017

International Society for Bayesian Analysis (ISBA)
- Fellow, 2022–present

  Additional Service for ISBA:
  - Chair, Editorial Search, 2021
  - Named Lectures Committee (ISBA World Meeting 2016, Chair; ISBA WM 2020, ISBA WM 2022, member)
  - Member of the Board of Directors, 2018-2020
  - Member, Program Council, 2014–2016
  - Chair, Program Council, 2015
  - Member, Evaluation Committee of the International Savage Award, 8/2013–1/2014
  - Member of the Nomination Committee for the election of the ISBA officers, 06/2012–10/2012
  - Program Chair of the Section on Bayesian Nonparametrics, 2012–2013

American Association for the Advancement of Science (AAAS)
- 2023 Membership Engagement Chair, AAAS Section U on Statistics
- Member, 2017 - present

WNAR - The Western North American Region of The International Biometric Society
- Member

Institute of Mathematical Statistics (IMS)
- Member

International Statistical Institute (ISI)
- Member

Local/State

Houston Chapter of the American Statistical Association
○ Member, 2010-2016

Orange County/Long Beach Chapter of the American Statistical Association
○ Member, 2016-present

Date of Last CV Update

July 14, 2023
Michele Guindani, Ph.D.