

Michele Guindani

Curriculum Vitae

Department of Statistics
Donald Bren
School of Information and Computer Sciences
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Present title and Affiliation

Primary Appointment

2016-Present **Associate Professor**,
Department of Statistics,
Donald Bren School of Information and Computer Sciences
University of California, Irvine, CA.

Dual/Joint/Adjunct Appointments

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

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.

Experience

Academic Appointments

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

Institutional Committee Activities

- 01/2017-present **Member**, *UCI Assessment Committee.*
09/2016-present **Member**, *ICS Computing and Network Policy Committee.*
05/2017-present **Member**, *ICS Web Committee.*
08/2017-present **Member**, *Faculty advisory board UCI Microbiome Initiative.*

Departmental Committee Activities

- Winter 2017 **Member**, *Department of Statistics Hiring Search and Appointment Review Committee.*
Winter 2017 **Member**, *PhD Graduation Admission Committee.*
Fall 2016 **Chair**, *Merit Increase Evaluation committee for Dr. Weining Shen.*
Fall 2016 **Member**, *Merit Increase Evaluation committee for Prof. Yaming Yu.*

Grant Reviewer/Service on Study Sections

- 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.*

Other Appointments/Responsibilities

- June, 2017 **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.*

Publications

Peer-Reviewed Original Research Articles

- [59] Chiang, S., **Guindani, M.**, Yeh, H-J., Dewar, S., Haneef, Z., Stern, J.M. and Vannucci, M. (2017) A Hierarchical Bayesian Model for the Identification of PET Markers Associated to the Prediction of Surgical Outcome After Anterior Temporal Lobe Resection *Frontiers in Neuroscience*, In Press.
- [58] Kook J.H., **Guindani M.**, Zhang L., Vannucci, M. (2017) NPBayes-fMRI: Nonparametric Bayesian General Linear Models for Single- and Multi-Subject fMRI Data. *Statistics in Biosciences*, In Press.
- [57] Warnick, R., **Guindani, M.**, Erhardt, E., Allen, E., Calhoun, V. and Vannucci, M. (2017). A Bayesian Approach for Estimating Dynamic Functional Network Connectivity in fMRI Data. *Journal of the American Statistical Association*, In Press.
- [56] **Guindani M.**, Johnson W.O. (2017) More nonparametric Bayesian inference in applications. *Statistical Methods and Applications*. In Press.
- [55] Li, Q., **Guindani, M.**, Reich, B.J., Bondell, H.D. and Vannucci, M. (2017). A Bayesian Mixture Model for Clustering and Selection of Feature Occurrence Rates under Mean Constraints. *Statistical Analysis and Data Mining*. In Press.
- [54] Thall, P.F., Mueller P., Xu Y. and **Guindani M.** (2017) Bayesian nonparametric statistics: A new toolkit for discovery in cancer research *Pharmaceutical Statistics*. In press.
- [53] Lutgendorf S K, Eileen Shinn E, Carter J., Leighton S., Baggerly K., **Guindani M**, Fellman B., Matzo M, Slavich G.M., Goodman M.T., Tew W.P., Lester J., Moore K.M., Karlan B.Y., Levine D.A., Sood A.K (2017) Quality of Life among Long-Term Survivors of Advanced Stage Ovarian Cancer: A Cross-Sectional Approach *Gynecologic Oncology*, Volume 146, Issue 1, Pages 101–108.
- [52] Prokhorov, A. V., Khalil, G. E., Foster, D. W., Marani, S. K., **Guindani, M.**, Espada, J. P., González, M. T., Idrisov, B., Galimov, A., Arora, M., Tewari, A., Isralowitz, R., Lapvongwatana, P., Chansatitporn, N., Chen, X., Zheng, H. and Sussman, S. (2017), Testing the nicotine dependence measure mFTQ for adolescent smokers: A multinational investigation. *Am J Addict.* doi:10.1111/ajad.12583
- [51] Wadsworth, D., Argiento, R., **Guindani, M.**, Galloway-Pena, J., Shelburne, S.A. and Vannucci, M. (2017). An Integrative Bayesian Dirichlet-Multinomial Regression Model for the Analysis of Taxonomic Abundances in Microbiome Data. *BMC Bioinformatics*, 18:94, DOI: 10.1186/s12859-017-1516-0.
- [50] Galloway-Peña JR,, Smith DP, Sahasrabhojane, Wadsworth WD, Fellman BM, Ajami NJ, Shpall EJ, Daver N, **Guindani M**, Petrosino JF, Kontoyiannis DP, Shelburne SA (2017) Characterization of Oral and Gut Microbiome Temporal Variability in Hospitalized Cancer Patients. *Genome Medicine*, 9:21.

- [49] Chiang S, **Guindani M**, Yeh HJ, Haneef Z, Stern JM, Vannucci M. (2017) Bayesian vector autoregressive model for multi-subject effective connectivity inference using multi-modal neuroimaging data. *Hum Brain Mapp.*, Volume 38, Issue 3, Pages 1311–1332, DOI: 10.1002/hbm.23456.
- [48] Hassan SA, Yusuf SW, Sharma J, Khan J, **Guindani M**, Valero V, Chavez-McGregor M, Banchs J. (2017) Predictors of left ventricular systolic function recovery in the setting of sinus tachycardia in patients with cancer. *Echocardiography. Echocardiography*, 34 (1), 29–36
- [47] Chekouo T, Stingo FC, **Guindani M**, Do K-A. (2016) A Bayesian predictive model for imaging genetics with application to schizophrenia. *Annals of Applied Statistics*, 10 (3), 1547–1571.
- [46] Rebello E, Kee S, Kowalski A, Harun N, **Guindani M**, Goravanchi F. (2016) Reduction of incorrect record accessing and charting patient electronic medical records in the perioperative environment. *Health Informatics Journal*, 22, 4, 1055–1062.
- [45] Zhang L, **Guindani M**, Versace F, Engelmann JM, Vannucci M. (2016) A Spatio-Temporal Nonparametric Bayesian Model of Multi-Subject fMRI Data. *Annals of Applied Statistics*, 10 (2), 638–666.
- [44] Fronczyk KM, **Guindani M**, Hobbs BP, Ng CS, Vannucci M. (2015) A Bayesian nonparametric approach for functional data classification with application to hepatic tissue characterization. *Cancer Informatics*, 14(S5), 151–162.
- [43] Zand B, Previs RA, Zacharias NM, Rupaimoole R, Mitamura T, Nagaraja AS, **Guindani M**, Dalton HJ, Yang L, Baddour J, Achreja A, Hu W, Pecot CV, Ivan C, Wu SY, McCullough CR, Gharpure KM, Shoshan E, Pradeep S, Mangala LS, Rodriguez-Aguayo C, Wang Y, Nick AM, Davies MA, Armaiz-Pena G, Liu J, Lutgendorf SK, Baggerly KA, Eli MB, Lopez-Berestein G, Nagrath D, Bhattacharya PK, Sood AK (2016) Role of Increased n-acetylaspartate Levels in Cancer. *J Natl Cancer Inst*, 108(6). PMID: 26819345.
- [42] Galloway-Peña JR, Smith DP, Sahasrabhojane P, Ajami NJ, Wadsworth WD, Daver NG, Chemaly RF, Marsh L, Ghantaji SS, Pemmaraju N, Garcia-Manero G, Rezvani K, Alousi AM, Wargo JA, Shpall EJ, Futreal PA, **Guindani M**, Petrosino JF, Kontoyiannis DP, Shelburne SA. The Role of the Gastrointestinal Microbiome in Infectious Complications During Induction Chemotherapy For Acute Myeloid Leukemia. *Cancer*, 122(14):2186-96, 7/2016. e-Pub 5/2016. PMID: 27142181.
- [41] Teo I, Fronczyk KM, **Guindani M**, Vannucci M, Ulfers SS, Hanasono MM, Fingeret MC. Salient body image concerns of patients with cancer undergoing head and neck reconstruction. *Head Neck*, 38(7):1035-42, 7/2016. e-Pub 3/2016. PMID: 26970013.
- [40] Chang S, Morahan PS, Magrane D, Helitzer D, Lee HY, Newbill S, Peng HL, **Guindani M**, Cardinali G. Retaining Faculty in Academic Medicine: The Impact of Career Development Programs for Women. *J Womens Health (Larchmt)*, 25(7):687-96, 7/2016. e-Pub 4/2016. PMID: 27058451.
- [39] Trevino V, Cassese A, Nagy Z, Zhuang X, Herbert J, Antzack P, Clarke K, Davies N, Rahman A, Campbell MJ, **Guindani M**, Bicknell R, Vannucci M, Falciani F. A Network Biology

Approach Identifies Molecular Cross-talk between Normal Prostate Epithelial and Prostate Carcinoma Cells. *PLoS Comput Biol*, 12(4):e1004884, 4/2016. e-Pub 4/2016. PMCID: PMC4849722.

- [38] Bayraktar UD, Milton DR, **Guindani M**, Rondon G, Chen J, Al-Atrash G, Rezvani K, Champlin R, Ciurea SO. Optimal Threshold and Time of Absolute Lymphocyte Count Assessment for Outcome Prediction after Bone Marrow Transplantation. *Biol Blood Marrow Transplant* 22(3):505-13, 3/2016. e-Pub 10/2015. PMID: 26524730.
- [37] Edwards BJ, Sun M, West DP, **Guindani M**, Lin YH, Lu H, Hu M, Barcenas C, Bird J, Feng C, Saraykar S, Tripathy D, Hortobagyi GN, Gagel R, Murphy WA. Incidence of Atypical Femur Fractures in Cancer Patients: The MD Anderson Cancer Center Experience. *J Bone Miner Res*. e-Pub 2/2016. PMID: 26896384.
- [36] Chiang S, Cassese A, **Guindani M**, Vannucci M, Yeh HJ, Haneef Z, Stern JM. Time-dependence of graph theory metrics in functional connectivity analysis. *Neuroimage* 125:601-15, 1/2016. e-Pub 10/2015. PMCID: PMC4895125.
- [35] Teo, I., Reece, G. P., Christie, I. C., **Guindani M**, Markey, M. K., Heinberg, L. J., Crosby, M. A., and Fingeret, M. C. (2016) Body image and quality of life of breast cancer patients: influence of timing and stage of breast reconstruction. *Psycho-Oncology*, 25: 1106-1112, PMID: 26360810.
- [34] Ren B, Azzegagh Z, Jaramillo AM, Zhu Y, Pardo-Saganta A, Bagirzadeh R, Flores JR, Han W, Tang YJ, Tu J, Alanis DM, Evans CM, **Guindani M**, Roche PA, Rajagopal J, Chen J, Davis CW, Tuvim MJ, Dickey BF. SNAP23 is selectively expressed in airway secretory cells and mediates baseline and stimulated mucin secretion. *Biosci Rep* 35(3), 2015. e-Pub 4/2015. PMID: 26182382.
- [33] Nardo L, Han M, Kretschmar M, Kretschmar M, Guindani M, Koch K, Vail T, Krug R, Link TM. Metal artifact suppression at the hip: diagnostic performance at 3.0 T versus 1.5 Tesla. *Skeletal Radiol* 44(11):1609-1616, 11/2015. e-Pub 7/2015. PMID: 26201676.
- [32] Waters A, Fronczyk K, **Guindani M**, Baraniuk RG, Vannucci M. A Bayesian Nonparametric Approach for the Analysis of Multiple Categorical Item Responses. *J Stat Plan Inference* 166:52-66, 11/2015. e-Pub 7/2014. PMCID: PMC4612535.
- [31] Rubinstein AE, Liao Z, Melancon AD, **Guindani M**, Followill DS, Tailor RC, Hazle JD, Court LE. Technical Note: A Monte Carlo study of magnetic-field-induced radiation dose effects in mice. *Med Phys* 42(9):5510, 9/2015. PMID: 26328998.
- [30] Cassese A, **Guindani M**, Antczak P, Falciani F, Vannucci M. A Bayesian model for the identification of differentially expressed genes in *Daphnia magna* exposed to munition pollutants. *Biometrics* 71(3):803-11, 9/2015. e-Pub 3/2015. PMID: 25771699.
- [29] McInnis M, Taylor P, Poenisch F, Court L, **Guindani M**, Followill D. SU-E-T-772: Uncertainties in Treatment Planning for IROC-Houston Proton Phantom QA Program Due to Variable CT Technique and Proton Energy. *Medical Physics* 42(6):3515, 6/2015. PMID: 26128437.

- [28] Graziani R, **Guindani M**, Thall PF. Bayesian nonparametric estimation of targeted agent effects on biomarker change to predict clinical outcome. *Biometrics*, 71(1):188-97, 3/2015. e-Pub 10/2014. PMCID: PMC4383707.
- [27] Sun W, Reich B, Cai T, **Guindani M**, Schwartzman A False Discovery Control in Large-Scale Spatial Multiple Testing. *Journal of the Royal Statistical Society, Series B (Statistical Methodology)* 77(1):59--83, 1/2015. PMCID: PMC4310249.
- [26] Zhang L, **Guindani M**, Vannucci M. Bayesian models for fMRI data analysis. *Wiley Interdiscip Rev Computational Statistics* 7(1):21-41, Jan-Feb, 1/2015. PMCID: PMC4346370.
- [25] Lee J, Teo I, **Guindani M**, Reece GP, Markey MK, Fingeret MC. Associations between psychosocial functioning and smiling intensity in patients with head and neck cancer. *Psychol Health Med* 20(4):469-76, 2014. PMID: 25159529.
- [24] Cassese A, **Guindani M**, Vannucci M. A Bayesian Integrative Model for Genetical Genomics with Spatially Informed Variable Selection. *Cancer Informatics* 13(Suppl 2):29-37, 2014. e-Pub 9/2014. PMCID: PMC4179607.
- [23] Airoidi EM, Costa T, Bassetti F, Leisen F, **Guindani M**. Generalized species sampling priors with latent Beta reinforcements. *Journal of the American Statistical Association*, 109(508):1466-1480, 12/2014. PMCID: PMC4392726.
- [22] Raymond A, Liu B, Liang H, Wei C, **Guindani M**, Lu Y, Liang S, St John LS, Molldrem J, Nagarajan L. A role for BMP-induced homeobox gene MIXL1 in acute myelogenous leukemia and identification of type I BMP receptor as a potential target for therapy. *Oncotarget*, 5(24):12675-93, 12/2014. PMCID: PMC4350356.
- [21] Krishna SG, Rao BB, Thirumurthi S, Lee JH, Ramireddy S, **Guindani M**, Ross WA. Safety of endoscopic interventions in patients with thrombocytopenia. *Gastrointest Endosc*, 80(3):425-34, 9/2014. e-Pub 4/2014. PMID: 24721520.
- [20] Shao BS, **Guindani M**, Boyd DD. Causes of Fatal Accidents for Instrument-Certified and non-Certified Private Pilots. *Accid Anal Prev*, 72C:370-375. e-Pub 8/2014. PMID: 25118128.
- [19] Fingeret MC, Nipomnick S, **Guindani M**, Baumann D, Hanasono M, Crosby M. Body Image Screening for Cancer Patients Undergoing Reconstructive Surgery. *Psycho-Oncology*, 23(8):898-905, 8/2014. e-Pub 2/2014. PMCID: PMC4116641.
- [18] Nolte MJ, Wang Y, Deng JM, Swinton PG, Wei C, **Guindani M**, Schwartz RJ, Behringer RR. Functional analysis of limb transcriptional enhancers in the mouse. *Evol Dev*, 16(4):207-23, Jul-Aug, 7/2014. e-Pub 6/2014. PMCID: PMC4130292.
- [17] Zhang L, **Guindani M**, Versace F, Vannucci M. A Spatio-Temporal Nonparametric Bayesian Variable Selection Model of fMRI Data for Clustering Correlated Time Courses. *Neuroimage*, 95:162--175, DOI: 10.1016/j.neuroimage.2014.03.024, 7/2014. e-Pub 3/2014. PMCID:PMC4076058.
- [16] Shao BS, **Guindani M**, Boyd DD. Fatal Accident rates for Instrument-Rated Private Pilots. *Aviat Space Environ Med*, 85(6):631-637, 6/2014. PMID: 24919384.

- [15] Zhang S., Migliaccio G.C., Zandbergen P.A., **Guindani M.** Empirical Assessment of Geographically-based Surface Interpolation Methods for Adjusting Construction Cost Estimates by Project Location. *Journal of Construction Engineering and Management* 140(6), [http://dx.doi.org/10.1061/\(ASCE\)CO.1943-7862.0000850](http://dx.doi.org/10.1061/(ASCE)CO.1943-7862.0000850), 6/2014. NIHMSID: NIHMS579384.
- [14] Rubinstein A, **Guindani M**, Hazle JD, Court LE. Investigating magnetic field dose effects in small animals: a Monte Carlo study. *Int J Cancer Ther Oncol*, 2(2), 4/2014. e-Pub 4/2014.
- [13] **Guindani M**, Sepúlveda N, Paulino CD, Mueller P. A Bayesian Semi-parametric Approach for the Differential Analysis of Sequence Counts Data. *Journal of the Royal Statistical Society Series C (Applied Statistics)*, 63(3):385-404, 4/2014. PMCID: PMC4017673.
- [12] Jung SY, Hursting SD, **Guindani M**, Vitolins MZ, Paskett E, Chang S. Bioavailable Insulin-Like Growth Factor-I Inversely Related to Weight Gain in Postmenopausal Women regardless of Exogenous Estrogen. *Cancer Epidemiol Biomarkers Prev*, 23(3):534-44, 3/2014. e-Pub 12/2013. PMCID: PMC3968542.
- [11] Cassese A, **Guindani M**, Tadesse MG, Falciani F, Vannucci M. A Hierarchical Bayesian Model for Inference on Copy Number Variants and their Associations to Gene Expression. *The Annals of Applied Statistics*, 8(1):148-175, 3/2014. PMCID: PMC4018204.
- [10] Fronczyk K, **Guindani M**, Vannucci M, Palange A, Decuzzi P. A Bayesian hierarchical model for maximizing the vascular adhesion of nanoparticles. *Comput Mech* 53(3):539-547, 3/2014. PMCID: PMC4018201.
- [9] Nardo L, Sandman DN, Virayavanich W, Zhang L, Souza RB, Steinbach L, **Guindani M**, Link TM. Bone Marrow Changes related to Disuse. *Eur Radiol* 23(12):3422-31, 12/2013. e-Pub 7/2013. PMCID: PMC4026184.
- [8] Di Mascolo D, J Lyon C, Aryal S, Ramirez MR, Wang J, Candeloro P, **Guindani M**, Hsueh WA, Decuzzi P. Rosiglitazone-loaded nanospheres for modulating macrophage-specific inflammation in obesity. *J Control Release* 170(3):460-468, 9/2013. e-Pub 6/2013. PMCID: PMC4076002.
- [7] Migliaccio GC, **Guindani M**, D'Incognito M, Zhang L. Empirical Assessment of Spatial Prediction Methods for Location Cost-Adjustment Factors. *J Constr Eng Manag* 139(7):858-869, 7/2013. PMCID: PMC4092000.
- [6] Stingo FC, **Guindani M**, Vannucci M, Calhoun VD. An Integrative Bayesian Modeling Approach to Imaging Genetics. *Journal of the American Statistical Association* 108(503):876-891, 1/2013. PMCID: PMC3843531.
- [5] Reich BJ, Eidsvik J, **Guindani M**, Nail AJ, Schmidt AM. A class of covariate-dependent spatiotemporal covariance functions for the analysis of daily ozone concentration. *The Annals of Applied Statistics*, 5(4):2265-2687, 12/2011. PMCID: PMC3998774.
- [4] **Guindani M**, Mueller P, Zhang S. A Bayesian discovery procedure. *Journal of the Royal Statistical Society Series B (Statistical Methodology)* 71(5):905-25, 11/2009. PMCID: PMC2914327.

- [3] Petrone S, **Guindani M** and Gelfand AE Hybrid Dirichlet mixture models for functional data. *Journal of the Royal Statistical Society Series B (Statistical Methodology)*, 71(4):755-82, 9/2009.
- [2] Duan JA, **Guindani M**, Gelfand AE (2007) Generalized Spatial Dirichlet Process Models, *Biometrika*, 94(4), 809-25.
- [1] **Guindani M.**, Gelfand AE (2006) Smoothness Properties and Gradient Analysis Under Spatial Dirichlet Process Models. *Methodology and Computing in Applied Probability*, 8(2), 159–89.

Other Articles

- [2] Li, X., **Guindani, M.**, Ng, C. S. and Hobbs, B. P. (2017) Classification of adrenal lesions through spatial Bayesian modeling of GLCM, Proceedings - International Symposium on Biomedical Imaging 15 June 2017, Article number 7950489, Pages 147-151 14th IEEE International Symposium on Biomedical Imaging, ISBI 2017; Melbourne Convention and Exhibition Centre Melbourne; Australia.
- [1] Guindani M. (2014) Discussion on "Robust Bayesian Graphical Modeling Using Dirichlet t-Distributions" by Michael Finegold and Mathias Drton. *Bayesian Analysis*, 9(3):567--568, 9/2014.

Book Chapters

- [6] Cassese, A., **Guindani, M.** and Vannucci, M. (2015) iBATCGH: Integrative Bayesian Analysis of Transcriptomic and CGH data. In: *Statistical Analysis for High-Dimensional Data – The Abel Symposium 2014*. Ed(s) Frigessi, A., Buhlmann, P., Glad, I., Langaas, M., Richardson, S. and Vannucci, M. Springer Verlag.
- [5] Bassetti F., Leisen F., Airoidi E. and **Guindani M.** (2015) Species sampling priors for modeling dependence: an application to the detection of chromosomal aberrations. In: *Nonparametric Bayesian Inference in Biostatistics*. Ed(s) Mitra R., Mueller P. Springer-Verlag, 2015.
- [4] Tadesse M., Cassese A., **Guindani M.**, Falciani F., Vannucci M. A Unified Method for CNV Detection and Association with Gene Expression. In: *Proceedings of the 47th Scientific Meeting of the Italian Statistical Society*. CUEC Editrice: Cagliari, Italy, 2014.
- [3] **Guindani M.**, Zhang L., Versace F., Vannucci M. A Bayesian Variable Selection Model for the Clustering of Time Courses in FMRI data. In: *Proceedings of the 47th Scientific Meeting of the Italian Statistical Society*. CUEC Editrice: Cagliari, Italy, 2014.
- [2] Gelfand AE, **Guindani M**, Petrone S. Bayesian nonparametric modelling for spatial data using Dirichlet processes (with discussion). In: *Bayesian Statistics 8*. Oxford University Press, 2007.
- [1] **Guindani M**, Do KA, Muller P, Morris J. Bayesian Mixture models for Gene Expression and Protein Profiles. In: *Bayesian Inference for Gene Expression and Proteomics*. Ed(s) DO KA, Mueller P, Vannucci M. Cambridge University Press, 2006.

Editorial and Review Activities

Editor and Service on Editorial Boards

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

Associate Editor, *Biometrics*, 2016–present

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

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

Journal of the American Statistical Association, 2007–present

Bayesian Analysis, 2008–present

Biometrics, 2009–present

Human Heredity, 2010

Biometrika, 2010–present

Annals of Applied Statistics, 2011–present

Annals of Statistics, 2011

Computational Statistics and Data Analysis, 2011–present

International Conference on Artificial Intelligence and Statistics, 2011–2014

Journal of Machine Learning Research, 2011–present

Journal of the Royal Statistical Society, Series B, 2011–present

Neuroimage, 2011–present

Scandinavian Journal of Statistics, 2012–present

Statistics & Probability Letters, 2012–present

Statistics in Medicine, 2012–present

Journal of Agricultural, Biological, and Environmental Statistics, 2013

Neurocomputing, 2014–present

PlosOne, 2014–present

Statistica Sinica, 2014–present

Psychology, Health & Medicine, 2015–present

Canadian Journal of Statistics, 2017

Neurocomputing, 2017–present

Biostatistics, 2017–present

Teaching

Formal Teaching

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

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

Bayesian Data Analysis, University of California, Irvine, Course Number: *Stats 115/205*
Winter 2017

Time Series Analysis, University of California, Irvine, Course Number: *Stats 245*
Winter 2017

Advanced Bayesian Statistics, Rice University, Course Number: *Stat522*, and The University of Texas Graduate School of Biomedical Sciences in Houston (GSBS), Course Number: *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), Course Number: *GS011173*
Spring 2014

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

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

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

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

— Research Mentorship

Ph.D. Dissertation Supervision

Duncan Wadsworth (Ph.D. 2016, Rice University)

- Currently Data Scientist, Microsoft.
- Ph.D. Thesis title: *Bayesian Methods for the Analysis of Microbiome Data*.

Sharon Chiang (Ph.D. 2016, Rice University)

- Currently an MS4 Student at Baylor College of Medicine.
- 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.

Linlin Zhang (Ph.D. 2015, Rice University).

- Currently Data Scientist, Schlumberger, 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.

Yan Dong (Ph.D. 2015, University of New Mexico)

- Currently Research Biostatistician at Akros Pharma Inc., Princeton, NJ
- Ph.D. Thesis title: *Nonparametric Bayes approach for a Semi-Mechanistic Pharmacokinetic and Pharmacodynamic Model*

Current students

Ryan Warnick (Ph.D. student, Rice University) (co-Advisor with Marina Vannucci, Rice University)

Xiao Li (Ph.D. student, University of Texas Health Sciences) (co-Advisor with Brian Hobbs, MD Anderson Cancer Center)

For an updated list of **current students**, please refer to my webpage:
<http://students.micheleguindani.info>

Other Direct Supervision

Research Mentor, **Postdoctoral Fellow**, Kassandra Fronczyk, 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 UCI

Examining PHD Committees

Yuxiao Wang, Statistics, Spring 2017

Advancement Proposal Committees

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

Supervisory Committees – outside UCI

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

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

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

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

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

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

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

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

Committee member, Advisory MS Committee, UT GSBS, Biostatistics, Bioinformatics and System Biology, GSBS, Christina Mesun Hahn, PhD, 1/2014-1/2015

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

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

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

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

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

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

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

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

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

■ Conferences and Symposia

Organization of Conferences/Symposia (Include Session Organizer)

- [15] ISBA World Meeting 2018, International Society of Bayesian Analysis, Edinburgh, UK, Member of the Scientific Committee, 6/2018
- [14] CFE-CMStatistics 2017, London, UK, Co-chair, 16-18 December 2017
- [13] 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

Invited

- [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 identification 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

- [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 Institute, 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

Grants and Contracts

Funded

NSF SES-1659921: Collaborative Research: Bayesian Approaches for Inference on Brain Connectivity (07/01/2017-06/30/2020)

Completed

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)

Professional Memberships/Activities

Professional Society Activities, with Offices Held

National and International

American Statistical Association (ASA)

- Member, 2005–present
- 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

Institute of Mathematical Statistics (IMS)

- Member, 2005–present

International Society for Bayesian Analysis (ISBA)

- Member, 2005–present
- Program Chair of the Section on Bayesian Nonparametrics, 1/2012–12/2013
- Member of the Nomination Committee for the election of the ISBA officers, 6/2012–10/2012
- Member of the Evaluation Committee of the International Savage Award, 8/2013–1/2014
- Member of the Program Council, 1/2014–12/2016
- Program Chair, 1/2015–12/2015

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

11/22/2017

Michele Guindani, Ph.D.