

José-Miguel Yamal, PhD

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EDUCATION

Rice University, Houston, TX

Ph.D. in Statistics, May, 2007

Dissertation: “Multilevel Classification: Classification of Populations from Measurements on Members”

M.A. in Statistics, 2005

B.A. in Statistics, 1999

B.A. in Computational and Applied Mathematics, 1999

EXPERIENCE

Associate Professor of Biostatistics (with tenure), Department of Biostatistics and Data Science, The University of Texas Health Sciences Center School of Public Health, Sept 2015 – Present

Assistant Professor of Biostatistics, Division of Biostatistics, The University of Texas Health Sciences Center School of Public Health, July 2009 – 2015

Regular Member of the Graduate Faculty, The University of Texas Graduate School of Biomedical Sciences at Houston, April 2013 – present

Senior Statistical Analyst, Department of Biostatistics, The University of Texas M. D. Anderson Cancer Center, 2008 – 2009

- Perform statistical analyses of clinical trials including survival analysis, multiple regression, data mining, inter-rater agreement analysis, mixed-effects models, Bayesian analysis
- Provide statistical consulting to researchers and clinicians at the institution
- Help prepare resubmission of P01 grant *Optical Technologies for Cervical Neoplasia*
 - o Write sections of the biostatistics core
 - o Calculate sample sizes for the design of large clinical trials
- Conduct methodological research in classification including extensions of dissertation work
- Correlate quantitative cytology with spectroscopy for diagnosing and screening of cervical neoplasia

- Prepare manuscripts for publication in peer-reviewed journals

Adjunct Faculty Member, Cameron School of Business, The University of St. Thomas, 2009 – present

- Design, develop, and teach the course “Quantitative Methods”, an introduction to statistics course for the Master of Business Administration program.

Postdoctoral Fellow, Department of Biostatistics, The University of Texas M. D. Anderson Cancer Center, 2007 – 2008

- Conducted methodological research in classification including extensions of dissertation work
- Prepared manuscripts for publication in peer-reviewed journals
- Helped prepare resubmission of P01 grant *Optical Technologies for Cervical Neoplasia*
 - o Wrote sections of the biostatistics core
 - o Calculated sample sizes for the design of large clinical trials

Statistical Analyst, Department of Biostatistics and Applied Mathematics, The University of Texas M. D. Anderson Cancer Center, 2000-2007

- Performed statistical analysis of clinical trials including survival analysis, multiple regression, inter-rater agreement analysis, Receiver Operator Characteristics analysis, permutation tests, multiple testing
- Conducted methodological research on classification problems with a hierarchical structure
- Calculated power and sample size for the design of clinical trials
- Developed classification procedures for automating the process for the early detection of cancer
- Provided statistical consulting for other researchers and clinicians at the institution

Graduate Research, Department of Statistics, Rice University, 2001 – 2007

- Conducted methodological research in classifying data when the level of the unit of classification is different than the level of the quantitative measurements. The application was to automate the process of detecting cervical cancer from quantitative measurements (quantitative cytology) on the cells.

Teacher Assistant, Department of Statistics, Rice University, 2001-2002, 2006

- Lectured for the graduate-level course “Generalized Linear Models and Categorical Data Analysis” (2006)
- Directed lab and graded papers for “Elementary Applied Statistics” and “Introduction to Statistics for the Biosciences” undergraduate courses (2001-2002)

Programmer, Rice Virtual Lab in Statistics, Rice University, June 1999- August 1999

- Designed statistical questions and did programming for a NSA-funded, web-based interactive tool for learning statistics online

Summer Undergraduate Researcher, Rice Institute of Mathematical Sciences, Rice University, June 1997- August 1997

CURRENT FUNDING

16GRNT27610004 PI: Jose-Miguel Yamal 02/01/2015-4/30/2020
PCORI/UT Medical School Total direct costs:\$1,800,000
SPH direct costs: \$1,220,922

Benefits of Stroke Treatment Delivered Using a Mobile Stroke Unit Compared to Standard Management by Emergency Medical Services – BEST-MSU Study.
The primary goal of this project is to carry out a trial comparing pre-hospital diagnosis and treatment of patients with stroke symptoms using a Mobile Stroke Unit (MSU) with subsequent transfer to a Comprehensive Stroke Center (CSC) Emergency Department (ED) for further management, to standard pre-hospital triage and transport by Emergency Medical Services (EMS) to a CSC ED for evaluation and treatment (Standard Management-SM). Oversee the design, data management, analysis, reporting and publications for an randomized controlled trial.

Role: Principal Investigator of Data Coordinating Center (PI of study: James Grotta)
43% effort

1R34DE026245-01A1 PI: Shreela Sharma 4/01/2017-3/31/2018
NIH/NIDCR Total direct costs: \$150,000
CATCH Healthy Smiles: Planning and feasibility of an elementary school-based child oral health RCT

This is a planning grant of an elementary school-based child oral health cluster-randomized controlled trial.

Role: Co-investigator
5% effort

PR170668 PI: Wenjin Zheng 9/1/2017-8/31/2022
CPRIT Total direct costs: \$5,652,477
Data Science and Informatics Core for Cancer Research

Role: Co-PI of Biostatistics Core
15% effort

PRIOR FUNDING

R03 PI: Jose-Miguel Yamal 09/01/2014-3/29/2016
Baylor College of Medicine/ DoD Total subcontract direct costs: \$90,660
Legacy Clinical Data from the Epo TBI Trial

To load legacy data from 200 patients that were enrolled in the "Effects of Erythropoietin (Epo) on Cerebral Vascular Dysfunction and Anemia in Traumatic Brain Injury (TBI)" Phase II clinical trial into FITBIR, including to create a number of new data elements for the physiological variables which do not currently exist in the CDE.

Role: Principal Investigator of Statistical Core (subcontract, PI of primary award: Claudia Robertson)
25% effort

P01CA082710 PI: Jose-Miguel Yamal 1/1/10-12/31/16
NIH/Brookdale Hospital Total subcontract direct costs: \$54,451
Optical Technologies and Molecular Imaging of Cervical Neoplasia
Provide statistical support with particular expertise in computer intensive models for classification. Dr. Yamal will develop algorithms for classifying patient status based on the data provided by the fluorescence spectroscopy trials.
Role: Principal Investigator of subcontract (PI of primary award: Michele Follen)
20% effort

NO1-HC-35130 PI: Barry Davis 8/02/93-5/31/16
NIH Total direct costs: \$92,268,619
Clinical Trials Center for Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT)
The goal of this study is to conduct a randomized double-blind trial designed to compare 4 antihypertensive medications in reducing cardiovascular disease risk in over 40000 high-risk hypertensive patients.
Role: Co-Investigator
20% effort

1R21CA153373-01A1 PI: Jonathan Ophir 4/25/11 - 3/31/15
NIH Total direct costs: \$404,732
Axial Shear Strain Elastography in Benign and Malignant Breast Disease.
The goal of this research is to expand the development and testing of noninvasive, novel ultrasound imaging methodologies to elucidate the mechanical phenomena occurring at and near soft tissue tumor boundaries in the breast. The overall hypothesis is that unique and novel axial-shear strain fill-in zones created in slightly-compressed breast lesions and imaged with ultrasound axial shear strain elastography (ASSE) add an independent diagnostic feature to the standard BI-RADS-ultrasound features which improves the sensitivity & specificity of noninvasive diagnosis of benign versus malignant breast tumors *in vivo*.
Role: Co-Investigator

P01NS038660 PI: Jose-Miguel Yamal 5/10/10-1/31/14
Baylor/ NIH Total subcontract direct costs: \$391,611
Effects Of Erythropoietin On Cerebral Vascular Dysfunction & Anemia In Traumatic Brain Injury
Oversee the design, data management, analysis, and reporting including reporting to the Data and Safety monitoring committee and publications for a two-site mid-phase placebo controlled randomized trial of erythropoietin as a treatment for traumatic brain injury.
Role: Principal Investigator of Statistical Core (subcontract, PI of primary award: Claudia Robertson)

R01HL076532 PI: Dr. Roberta B. Ness. 1/22/10-7/31/11

NIH (NHLBI) Total direct costs: \$992,039
Fetal Growth Restriction and Maternal Cardiovascular Risk, Women and Infant Study of
Healthy Hearts (WISH),
The overall goal of this project is to compare the cardiovascular risk profile of women
who have and have not had an intrauterine growth retardation baby. Dr. Yamal's primary
responsibility is the coordination of the statistical analysis and supervising the statistical
research assistant.
Role: Co-Investigator

SUBMITTED FUNDING

UH2/UH3 PI: Michele Follen 7/01/2014-6/30/2019
Texas Tech Health Science Center/NIH Total subcontract direct costs: \$382,840
A Mobile Imaging Tool for One-Visit Management of Cervical Lesions in LMICs
Role: Principal Investigator of Statistical Core

R01 PI: Harvey Levin 02/01/2015-01/31/2020
Baylor College of Medicine/NIH Total subcontract direct costs: \$101,425
Neurobehavioral Outcome of Head Injury in Children
Role: Principal Investigator of Statistical Core

PEER-REVIEWED PUBLICATIONS

* = students I have advised or mentored

§ = I am corresponding author

1. **Yamal J-M§**, Rajan SS, Parker SA, Jacob A, Gonzalez MO, Gonzales NR, Bowry R, Barreto A, Wu T-C, Lairson D, Persse D, Tilley BC, Chiu D, Suarez JI, Jones WJ, Alexandrov A, Grotta JC. Benefits of stroke treatment delivered using a mobile stroke unit trial. *International Journal of Stroke*. 2017: 1747493017711950.
2. Rubin ML*, Chan W, **Yamal J-M**, Robertson CS. A joint logistic regression and covariate-adjusted continuous-time Markov chain model. Accepted to *Statistics in Medicine*.
3. Lee S, Hwang H*, **Yamal J-M**, Goodman JC, Aisiku IP, Gopinath S, Robertson CS. IMPACT probability of poor outcome and plasma cytokine concentrations are associated with multiple organ dysfunction syndrome following traumatic brain injury. Accepted to *Journal of Neurosurgery*.
4. Bowry R, Parker S, **Yamal J-M**, Hwang H*, Appana S, Gutierrez N, Wu T-C, Rajan S, and Grotta J. Time-to-decision and treatment with tPA using telemedicine versus an on-board neurologist on a mobile stroke unit. Accepted to *Stroke*.

5. Karanth S*, Sharma G, **Yamal J-M**, Morgan RO, Rajan S. Racial-ethnic disparities in end-of-life care quality for lung cancer patients: A SEER-Medicare based study. Accepted to *Journal of Thoracic Oncology*.
6. Smith HS*, Swint JM, Lalani SR, **Yamal J-M**, de Oliveira Otto MC, Castallanos S, Taylor A, Lee BH, Russell HV. Clinical Application of Whole Genome and Whole Exome Sequencing as a Diagnostic Tool for Pediatric Patients: A Scoping Review of the Literature. Accepted to *Genetics in Medicine*.
7. Ikoma N*, Cormier JN, Feig B, Du XL, **Yamal J-M**, Hofstetter W, Das P, Ajani JA, Roland C, Fournier K, Royal R, Mansfield P, Badgwell BD. Racial disparities in preoperative chemotherapy use in gastric cancer patients in the United States: Analysis of National Cancer Database 2006-2014. Accepted to *Cancer*.
8. Dewland TA, Soliman EZ, **Yamal J-M**, Davis BR, Alonso A, Alpert CM, Simpson LM, Haywood LJ, Marcus GM. Pharmacologic Prevention of Incident Atrial Fibrillation: Long-Term Follow Up from the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT). *Circ Arrhythm Electrophysiol* (In press).
9. Shams T, Shams, Auchus A, Oparil S, Wright C, Wright, Jr. J, Furlan A, Sila C, Davis B, Pressel S, **Yamal J-M**, Einhorn P, and Lerner A. Baseline Quality of Life and Risk of Stroke in the ALLHAT study. Accepted to *Stroke*.
10. Shah M*, DeSantis T, Weinmaier T, McMurdie PJ, Cope JL, Altrichter A, **Yamal J-M**, Hollister EB. Leveraging sequence-based fecal microbial community survey data to identify a composite biomarker for colorectal cancer. Accepted to *Gut*.
11. Vedantam A, **Yamal J-M**, Hwang H*, Robertson C, Gopinath S. Factors associated with shunt-dependent hydrocephalus after decompressive craniectomy for traumatic brain injury. Accepted to *Journal of Neurosurgery*.
12. Catov JM, Muldoon MF, Reis SE, Ness RB, Nguyen LN, **Yamal J-M**, Hwang H*, Parks WT. Preterm birth with placental evidence of malperfusion is associated with cardiovascular risk factors after pregnancy: a prospective cohort study. Accepted to *BJOG: An International Journal of Obstetrics and Gynaecology*.
13. Lai D, Zhang Q, **Yamal J-M**, Einhorn P, and Davis B. Conditional moving linear regression: modeling the recruitment process for ALLHAT. *Communications in Statistics – Theory and Methods*. 2017: 1-9.
14. Fujii T*, Kogawa T, Wu J, Sahin AA, Liu DD, Chavez-MacGregor M, Giordano SH, Raghavendra A, Murthy RK, Tripathy D, Shen Y, **Yamal J-M**, Ueno NT.

- Nomogram to predict pathologic complete response in HER2-positive breast cancer treated with neoadjuvant systemic therapy. *BMJ*. 2017; 116(4):509-14.
15. Wu T-C, Parker SA, Jagolino A, **Yamal J-M**, Bowry R, Thomas A, Yu A, Grotta JC. Telemedicine can replace the neurologist on a mobile stroke unit. *Stroke*. 2017; 48(2):493-6.
 16. Song J*, Karlsten M, **Yamal J-M**, Basen-Engquist K. Health-related quality of life factors associated with completion of a study delivering lifestyle exercise intervention for endometrial cancer survivors. *Quality of Life Research*. 2017; 26(5):1263-71.
 17. Ramadan AR, Denny MC, Vahidy F, **Yamal J-M**, Wu T-C, Sarraj A, Savitz S, Grotta J. Agreement Among Stroke Faculty and Fellows in Treating Ischemic Stroke Patients with tPA and Thrombectomy. *Stroke*. 2017; 48(1):222-4.
 18. Agarwal Saroochi*, Nguyen Duc T., Lew Justin, Teeter Larry D., **Yamal Jose-Miguel**, Restrepo Blanca, Brown Eric, Dorman Susan, Graviss Edward A. "Comparing TSPOT Assay Results between an Elispot Reader and Manual Counts." *Tuberculosis*. 2016;101:S92-8.
 19. Agarwal Saroochi*, Nguyen Duc T., Lew Justin, Teeter Larry D., **Yamal Jose-Miguel**, Restrepo Blanca, Brown Eric, Dorman Susan, Graviss Edward A. "Differential Positive TSPOT Assay Responses to ESAT-6 and CFP-10 in Health Care Workers." *Tuberculosis*. 2016;101:S83-91.
 20. Aisiku IP, **Yamal J-M**, Doshi P, Benoit JS*, Gopinath S, Goodman JC, and Robertson CS. Plasma Cytokines IL-6, IL-8, and IL-10 are Associated with the Development of Acute Respiratory Distress Syndrome in Patients with Severe Traumatic Brain Injury. *Critical Care*. 2016; 20(1):288.
 21. Whittle J, **Yamal J-M**, Williamson J, Ford CE, Probstfield JL, Beard BL, Marginean H, Hamilton B, Suhan P, and Davis BR. Clinical and demographic correlates of medication and visit adherence in a large randomized controlled trial. *BMC Health Services Research*. 2016; 16(1):236.
 22. Ludwig M*, Kuban D, Strom S, Du X, Lopez D, and **Yamal, J-M**. Assessing the Optimum use of Androgen-Deprivation Therapy in High Risk Prostate Cancer Patients Undergoing External Beam Radiation Therapy. *American Journal of Men's Health*. 2017; 11(1):73-81.
 23. Dewland TA, Soliman EZ, Davis BR, Magnani JW, **Yamal JM**, Piller LB, Haywood LJ, Alonso A, Albert CM, Marcus GM. Predictors of Conduction System Disease in the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT). *JAMA Intern Med*. 2016; 176(8): 1085-1092.

24. Vedantam A, **Yamal J-M**, Rubin ML*, Robertson CS, Gopinath SP. Progressive hemorrhagic injury after severe traumatic brain injury: effect of hemoglobin transfusion thresholds. *Journal of Neurosurgery*. 2016; 125(5): 1229-34.
25. Aisiku IP, **Yamal J-M**, Doshi P, Bandi V, Scott B, Rubin ML*, Benoit JS*, Hannay HJ, Tilley BC, Gopinath S, Robertson CS. The incidence of ARDS and associated Mortality in severe TBI utilizing the Berlin Definition. *Journal of Trauma and Acute Care Surgery*; 2016;80(2):308.
26. **Yamal JM**, Benoit JS*, Doshi P, Rubin ML*, Tilley BC, Hannay HJ, Robertson CS. Association of Transfusion Red Cell Storage Age and Blood Oxygenation, Long-Term Neurological Outcome, and Mortality in Traumatic Brain Injury. *Journal of Trauma*. 2015; 79(5): 843-849. PubMed Central PMCID: PMC4621763
27. **Yamal JM**, Guillaud M, Atkinson EN, Follen M, MacAulay C, Cantor SB, Cox DD. Prediction using hierarchical data: Applications for automated detection of cervical cancer. *Statistical Analysis and Data Mining: The ASA Data Science Journal*. 2015 Apr 1;8(2):65-74.
28. Bowry R, Parker S, Wu T, Richardson L, Noser E, Jackson K, Persse D, **Yamal J-M**, Rajan S, and Grotta. Benefits of Stroke Treatment Using a Mobile Stroke Unit Compared to Standard Management: The BEST-MSU Study Run-In Phase. *Stroke*. 2015 Dec 1;46(12):3370-4.
29. Ludwig M*, Kuban D, Strom SS, Du XL, Lopez DS, and **Yamal J-M**. The Role of Androgen Deprivation Therapy on Biochemical Failure and Distant Metastasis in Intermediate-Risk Prostate Cancer: A Retrospective Study of the Effects of Radiation Dose Escalation. *BMC Cancer*. 2015; 15: 190.
30. **Yamal JM**, Rubin ML*, Benoit JS*, Tilley BC, Gopinath S, Hannay J, Doshi P, Aisiku IP, Robertson CS. Effect of Hemoglobin Transfusion Threshold on Cerebral Hemodynamics and Oxygenation. *Journal of Neurotrauma*. 2015; 32: 1239-1245. doi:10.1089/neu.2014.3752. PubMed Central PMCID: PMC4532899
31. **Yamal J-M§**, Oparil S, Davis BR, Alderman MH, Calhoun D, Cushman WC, Fendley HF, Franklin SS, Habib GB, Pressel S, Probstfield JL, and Sastrasinh S. Stroke Outcomes Among Participants Randomized to Chlorthalidone, Amlodipine or Lisinopril in ALLHAT. *Journal of the American Society of Hypertension*. 2014; 8: 808-819. doi: 10.1016/j.jash.2014.08.003. PubMed PMID: 25455006; PubMed Central PMCID: PMC4254528.
32. Robertson CS, Hannay HJ, **Yamal J-M**, Gopinath S, Goodman JC, Tilley BC, and the Epo Severe TBI Trial Investigators*. Effect of Erythropoietin Administration and Transfusion Threshold on Neurological Recovery after Traumatic Brain Injury: A Randomized Clinical Trial. *JAMA*. 2014; 312(1): 36-

47. doi:10.1001/jama.2014.6490. PubMed PMID: 25058216; PubMed Central PMCID: PMC4113910.
33. Lee JS, **Yamal J-M**, Wang L, Atkinson EN, Price R, Zuluaga AF, MacAulay CE, Cox DD, and Follen M. The effect of room light and speculums on spectroscopic measurements of cervical cancer patients: an experiment using a mock gynecological patient. *Quantitative Bio-Science*. 2015; 33(2): 61-67.
34. Reisin E, Graves J, **Yamal J-M**§, Barzilay JI, Pressel SL, Einhorn PT, Dart RA, Retta TM, Saklayen MG, Davis BR, for the ALLHAT Collaborative Research Group. Blood Pressure Control and Cardiovascular Outcomes in Normal, Overweight, and Obese Hypertensives Treated with Three Different Anti-Hypertensives in ALLHAT. *Journal of Hypertension*. 2014; 32: 1503-1513. doi: 10.1097/HJH.0000000000000204
35. Shah R, Abbasi S, **Yamal J-M**§, Davis B, Barzilay J, Einhorn P, and Goldfine A, for the ALLHAT Collaborative Research Group. Impaired fasting glucose and body mass index as determinants of diabetes and mortality in the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT): Is the obesity paradox real? *Journal of Clinical Hypertension*. 2014; 16: 451-458. doi: 10.1111/jch.12325. Pubmed PMID: 24779706; PubMed Central PMCID: PMC4091725.
36. **Yamal JM**§, Robertson CS, Rubin ML*, Benoit JS*, Hannay J, Tilley BC. Enrollment of racially/ethnically diverse participants in traumatic brain injury trials: Effect of availability of exception from informed consent. *Clinical Trials*. 2014 Apr;11(2) 187-194. doi: 10.1177/1740774514522560. PubMed PMID: 24686108; PubMed Central PMCID: PMC3974159.
37. Catov JM, Dodge R, Barinas-Mitchell E, Sutton-Tyrrell K, **Yamal JM**, Piller LB, Ness RB. Prior preterm birth and maternal subclinical cardiovascular disease 4 to 12 years after pregnancy. *Journal of Women's Health*. 2013 Oct;22(10):835-843. doi: 10.1089/jwh.2013.4248. PubMed PMID: 24033091; PubMed Central PMCID: PMC3787333.
38. Thittai AK, **Yamal JM**, Ophir J. Small Breast Lesion Classification Performance Using the Normalized Axial-Shear Strain Area Feature. *Ultrasound in Medicine and Biology*. 2013 Mar;39(3):543-8. doi: 10.1016/j.ultrasmedbio.2012.10.011. Epub 2013 Jan 11. PubMed PMID: 23312961; PubMed Central PMCID: PMC3587118.
39. **Yamal JM**§, Zewdie GA*, Cantor SB, Cox DD, Atkinson EN, MacAulay CE, Davies K, Follen M: Accuracy of optical spectroscopy for the detection of cervical intraepithelial neoplasia without colposcopic tissue information; a step toward automation for low resource settings. *Journal of Biomedical Optics*. 2012

- Apr;17(4):047002. doi: 10.1117/1.JBO.17.4.047002. PubMed PMID: 22559693; PubMed Central PMCID: PMC3380950
40. **Yamal JM§**, Follen M, Guillaud M, Cox D. Classifying Tissue Samples from Measurements on Cells with Within-class Tissue Sample Heterogeneity. *Biostatistics*. 2011 Oct;12(4):695-709. doi: 10.1093/biostatistics/kxr010. Epub 2011 Jun 3. PubMed PMID: 21642388; PubMed Central PMCID: PMC3169670.
 41. Ryan J, Haygood TM, **Yamal JM**, Evanoff M, O'Sullivan P, Galvan E, McEntee M, Madewell J, Sandler C, Lano EI, Brennan P. ROC investigations: "memory effect" for repeated radiological observations. *American Journal of Roentgenology*. 2011 Dec;197(6):W985-91. doi: 10.2214/AJR.10.5859. PubMed PMID: 22109344.
 42. Cantor SB, **Yamal JM**, Guillaud M, Cox D, Atkinson EN, Benedet JL, Miller D, Ehlen T, Maticic J, van Niekerk D, Bertrand M, Milbourne A, Rhodes H, Malpica A, Staerckel G, Nader-Eftekhari S, Adler-Storthz K, Scheurer M, Basen-Engquist K, West L, Vlastos AT, Tao X, MacAulay C, Richards-Kortum R, Follen M. Accuracy of Optical Spectroscopy for the Detection of Cervical Intraepithelial Neoplasia. *International Journal of Cancer*. 2011 Mar 1;128(5):1151-68. doi: 10.1002/ijc.25667. Epub 2010 Nov 9. PubMed PMID: 20830707; PubMed Central PMCID: PMC3015005.
 43. **Yamal JM§**, Cox D, Atkinson EN, MacAulay C, Price R, Follen M. Repeatability of tissue fluorescence measurements for the detection of cervical intraepithelial neoplasia. *Journal of Biomedical Optics Express*. 2010 Aug 19;1(2):641-657. PubMed PMID: 21258497; PubMed Central PMCID: PMC3018008.
 44. Thittai AK, **Yamal JM**, Mobbs LM, Kraemer-Chant CM, Chekuri S, Garra BS, and Ophir J. Axial-shear strain elastography for breast lesion classification: Initial in vivo results from retrospective data. *Ultrasound in Medicine and Biology*. 2011 Feb;37(2):189-97. doi: 10.1016/j.ultrasmedbio.2010.11.001. Epub 2011 Jan 5. PubMed PMID: 21208733; PubMed Central PMCID: PMC3072057.
 45. Haygood T, Brennan PC, Ryan J, **Yamal JM**, Liles L, O'Sullivan P, Costelloe CM, Fitzgerald NE, Murphy WA Jr. Differentiation of Central Venous Line Placement in the Superior Vena Cava and the Azygos Vein on Posterior-Anterior Chest Radiographs. *American Journal of Roentgenology*. 2011 Apr;196(4):783-7. doi: 10.2214/AJR.10.4681. PubMed PMID: 21427325. PMCID: PMC Journal— In process.
 46. Catov JM, Dodge R, **Yamal JM**, Roberts JM, Piller LB, and Ness RB. Prior preterm or small for gestational age birth related to maternal metabolic syndrome. *Obstetrics & Gynecology*. 2011 Feb; 117(2 Pt 1):225-32. doi:

- 10.1097/AOG.0b013e3182075626. PubMed PMID: 21252733; PubMed Central PMCID: PMC3074407.
47. Kim HG, **Yamal JM**, Xu XC, Hu W, Boiko I, Linares A, Vlastos AT, Atkinson EN, Malpica A, Hittelman WN, Follen M: Cervical chromosome 9 polysomy: Validation and use as a surrogate endpoint biomarker in a 4-HPR chemoprevention trial. *Gynecologic Oncology*. 2005 Dec; 99 (3 Suppl): S32-7.
 48. Malpica A, Maticic JP, Niekirk DV, Crum CP, Staerke GA, **Yamal JM**, Guillaud MH, Cox DD, Atkinson EN, Adler-Storthz K, Poulin NM, Macaulay CA, Follen M: Kappa Statistics to measure interrater and intrarater agreement for 1790 cervical biopsy specimens among twelve pathologists: Qualitative histopathologic analysis and methodologic issues. *Gynecologic Oncology*. 2005 Dec; 99(3 Suppl):S38-52.
 49. Ho V, **Yamal JM**, Atkinson EN, Basen-Engquist K, Tortolero-Luna G, Follen M: Predictors of breast and cervical screening in Vietnamese women in Harris County, Houston, Texas. *Cancer Nursing*. 2005 Mar-Apr; 28(2):119-29.
 50. **Yamal JM**, Cox D, Hittelman WN, Boiko I, Malpica A, Guillaud M, MacAulay C, Follen, M: Quantitative Histopathology and Chromosome 9 Polysomy in a Clinical Trial of 4-HPR. *Gynecologic Oncology*. 2004 Aug; 94(2):296-306.
 51. Lee HK, D'Souza WD, **Yamal JM**, Pollack A, Lee AK, Palmer MB, Kuban DA: Dosimetric consequences of using a surrogate urethra to estimate urethral dose after brachytherapy for prostate cancer. *International Journal of Radiation Oncology, Biology, Physics*. 2003 Oct 1; 57(2):355-61.
 52. Tanyi JL, Hasegawa Y, Lapushin R, Morris AJ, Wolf JK, Berchuch A, Lu K, Smith DI, Kalli K, Hartmann LC, McCune K, Fishman D, Broaddus R, Cheng KW, Atkinson EN, **Yamal JM**, Bast RC, Felix EA, Newman RA, Mills GB: Role of decreased levels of lipid phosphate phosphatase-I in accumulation of lysophosphatidic acid in ovarian cancer. *Clinical Cancer Research*. 2003 Sep 1; 9(10 Pt 1):3534-45.

LETTERS TO EDITOR

Robertson CS, **Yamal J-M**, and Tilley BC. Erythropoietin for Traumatic Brain Injury-Reply *JAMA*. 2014; 312(18): 1928-1929. Doi: 10.1001/jama.2014.12744.

NON PEER-REVIEWED MANUSCRIPTS

Buys TPH, Cantor SB, Guillaud M, Adler-Storthz K, Cox DD, Okolo C, Arulogon O, Oladepo O, Basen-Engquist K, Shinn E, **Yamal JM**, Beck JR, Scheurer ME, van Niekerk

D, Malpica A, Maticic J, Staerkel G, Atkinson EN, Bidaut L, Lane P, Benedet JL, Miller D, Ehlen T, Price R, Adelwole IF, MacAulay C, and Follen M: Optical Technologies and Molecular Imaging for Cervical Neoplasia: A Program Project Update. *Gender Medicine*. 2012 Feb;9(1 Suppl):S7-24. doi: 10.1016/j.genm.2011.08.002. Epub 2011 Sep 22. PubMed PMID: 21944317; PubMed Central PMCID: PMC3289763.

SUBMITTED MANUSCRIPTS

Rubin ML, Chan W, Yamal J-M, Robertson CS. Effect of longitudinal intracranial pressure on ordinal Glasgow Outcome Scale using a joint model approach. Submitted.

Dewland TA, Soliman EZ, Yamal J-M, Davis BR, Alonso A, Albert CM, Simpson LM, Haywood LJ, Marcus GM, for the ALLHAT Collaborative Research Group. Pharmacologic Prevention of Incident Atrial Fibrillation: Long-Term Results from the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT). Resubmitted to *Circulation: Arrhythmia and Electrophysiology*.

Lee S, Hwang H, Yamal J-M, et al. Factors predictive of multiple organ dysfunction following traumatic brain injury. Submitted.

Ludwig M^{*}, **Yamal J-M**, et al. Development of a Nomogram for Biochemical (PSA) Failure in Treatment of Intermediate and High Risk Prostate Cancer with Definitive Radiation Therapy. Submitted.

Moraros SM^{*}, Brown EL, **Yamal J-M**, Mason EO, and Kaplan SL. Weight-for-Age Percentile and its Association with Community Acquired Methicillin Resistant Staphylococcus aureus among Pediatric Patients. Submitted.

SERVICE

NIH/DOD

National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI) Clinical Trials Review (CLTR) Committee, Peer Review, Bethesda, MD, Member September, 2018 – June 30, 2022.

National Institutes of Health, Clinical Trials Review Committee (CLTR), Peer Review, Bethesda, MD, February, 2018.

National Institutes of Health, Neurological, Aging and Musculoskeletal Epidemiology (NAME) Study Section, Peer Review, Arlington, VA, October 2017.

National Institute of Neurological Disorders and Stroke (NINDS), NIH, Sub Arachnoid Neurocysticercosis Treatment and Outcome (SANTO) Trial, Data and Safety Monitoring Board (DSMB) member. 2016-present.

National Institute of Neurological Disorders and Stroke (NINDS), NIH, StrokeNet (stroke trial network) Data and Safety Monitoring Board (DSMB) member. 2015-present.

The Defense Medical Research and Development Program (DMRDP), Peer Review, Washington DC, February 2017.

The Defense Medical Research and Development Program (DMRDP), Peer Review, Washington DC, October 2016.

Department of Defense, The Congressionally Directed Medical Research Program (CDMRP), Clinical and Rehabilitative Medicine Research Program, 2014/15 Neurosensory and Rehabilitation-Pain Management &, Peer Review, Reston, VA, March 2015.

Department of Defense, The Congressionally Directed Medical Research Program (CDMRP), 2014 Autism Research Program, Peer Review, December 2014.

Department of Defense, The Congressionally Directed Medical Research Program (CDMRP), Psychological Health and Traumatic Brain Injury (PHTBI), Peer Review, July 2013.

National Heart, Lung and Blood Institute, NIH, Peer Review, Bethesda, MD, August 2012.

The Defense Medical Research and Development Program (DMRDP), Peer Review, Reston, VA, February 2012.

The Defense Medical Research and Development Program (DMRDP), Peer Review, Reston, VA, February 2010.

Statistical Organizations

Council of Sections Representative, Section on Teaching Statistics in the Health Sciences of the American Statistical Association, 2019-2021.

Chair of the Section on Teaching Statistics in the Health Sciences of the American Statistical Association, 2015-2018.

Program Chair elect and Program Chair of the Section on Teaching Statistics in the Health Sciences of the American Statistical Association, 2012-2014

President elect, President, and Past President, Houston Area Chapter of the American Statistical Association, 2010-2013.

Yamal JM. Distance Learning Technologies in Introductory Statistics Courses. [Accepted for Roundtable discussion at the Joint Statistical Meetings, August 2011].

Swartz M and **Yamal JM.** Technology in the classroom: New levels of Teaching and Learning Statistics. [Accepted for Roundtable discussion at the Joint Statistical Meetings, August 2014].

University of Texas School of Public Health Service

LEAD ADMINISTRATIVE ROLES

Chair of Biostatistics and Data Science Department *Big Data (Data Science) Faculty Search* (Dr. Hongyu Miao is co-chair) (2017-)

Chair of Biostatistics and Data Science Department *Non tenure-track Faculty Search* (2018-)

Co-chair of Teaching Quality and Efficiency Committee (Dr. Michael Swartz is also co-chair) (2017-)

Co-chair of Biostatistics Introductory Course Development (Dr. Michael Swartz and Dr. Patrick Tarwater are also co-chairs) (2017-)

Chair of “Brain damage/diseases and neurosciences/imaging data” signature program (2017-)

COMMITTEE MEMBERSHIPS

CEPH Executive Committee (2017-)

Education Committee (2017-)

UT SPH Qualitative Course Development (2017-)

Data Science Task Force (2017-)

Biostatistics and Data Science Department *Biostatistics Faculty Search Committee* (2017-)

Biostatistics Department Faculty Search Committee for Teaching Faculty (2014)

Biostatistics Division/Coordinating Center for Clinical Trials Faculty Search Committee (2012-Present)

Comparative Effectiveness Research Faculty Search Committee (2010-2011)

Biostatistics Division Big Data Committee (2013-2014)

Biostatistics Division Bioinformatics and Genetics Degree Committee (2012)

Faculty Council Awards Committee (2012-2013)

Biostatistics Division Introduction Courses Restructuring Committee (2010-present)

Biostatistics Division Faculty Quality of Life/Retention Committee (2011)

Biostatistics Division Panel for tips for new faculty members (2012)

Website Development Committee (2009-2012)

High-Performance Computing Cluster Committee (2009-2010)

RECRUITMENT

Talk at University of Texas-Pan American (Edinburg, TX), Oct, 2013.

Attended University of Houston Downtown career fair (2013)

Talk at University of Houston Downtown (with Dr. Sarah Baraniuk), 2009

Skype interviewed 3 students who have applied for our PhD program, 2013-2014.

JOURNAL ASSOCIATE EDITOR

Trials (2017-)

JOURNAL REVIEWER

Medical Physics (2011)

Current Bioinformatics (2011)

Journal of Visualized Experiments (2011)

International Journal of Women's Health (2012-present)

Journal of Biomedical Optics (2012-present)

Arteriosclerosis, Thrombosis, and Vascular Biology (2014)

Annals of Medicine (2015)

Scientific Reports (2015, 2016)

BMC Pregnancy and Childbirth (2015, 2016)

BMC Medical Research Methodology (2015)

Critical Care Medicine (2015, 2016)

Neural Processing Letters (2016)

Medical Care (2017)

Lasers in Medicine (2017)

Health Aging Research (2017)

CONFERENCES AND SYMPOSIA

Presentations at National or International Conferences

Yamal J-M, Rajan SS, Parker SA, Bowry R, Wu T-C, Gonzales NR, Persse D, Jacob AP, Barreto AD, Alexandrov AV, Jones W, Grotta JC. Rationale, Design, and Progress of the Benefits of Stroke Treatment Delivered Using a Mobile Stroke Unit Trial. Poster presentation at *International Stroke Conference*, Houston TX February 2017.

Wu T-C, Parker SA, Jagolino AL, Yu A, **Yamal J-M**, Bowry R, Thomas A, Jackson K, Grotta JC. Can Telemedicine Replace An On-Board Vascular Neurologist In Deciding about Tissue Plasminogen Activator Treatment? A Pre-Specified Substudy of the BEST-MSU Study. Oral presentation at *International Stroke Conference*, Houston, TX February 2017.

Vedantam A, **Yamal J-M**, Hwang H, Robertson C, Gopinath S. Factors associated with shunt-dependent hydrocephalus after decompressive craniectomy for traumatic brain

injury. Oral presentation at American Association of Neurological Surgeons Meeting, April 2017.

Dewland TA, Yamal JM, Soliman EZ, Davis BR, Magnani JW, Piller LB, Haywood LJ, Pervin HE, Alonso A, Albert CM, Marcus GM. Predictors of Incident Pacemaker Implantation in the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT). Poster Presentation at the *American Heart Association Scientific Sessions*, New Orleans, LA. November 2016.

Almaghrabi, Yamal JM, et al. 90 Day Outcome after Reperfusion Therapy of Stroke Patients with Baseline Disability: Unique Observations from Patients Treated on the Mobile Stroke Unit. Poster Presentation at the *American Academy of Neurology 68th Annual Meeting*, Vancouver, BC, Canada, April 2016.

Vedantam A, Yamal JM, Robertson CS, and Gopinath S. Progressive Hemorrhagic Injury After Severe Traumatic Brain Injury: Effect of Hemoglobin Transfusion Thresholds. Oral Presentation at the *2015 Congress of Neurological Surgeons Annual Meeting*, New Orleans, LA, September 2015.

Dewland TA, Soliman EZ, Davis BR, **Yamal JM**, Alonso A, Alpert CM, Simpson LM, Marcus GM. Pharmacologic Prevention of Incident Atrial Fibrillation: Long-Term Follow Up from the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT). Poster Presentation at the *Heart Rhythm Society Scientific Sessions*, Boston, MA. May 2015.

Shams T, Auchus A, Oparil S, Wright C, Wright J, Furlan A, Sila C, Davis B, Pressel S, **Yamal J-M**, Einhorn P, Lemer A. Baseline quality of life and risk of stroke in ALLHAT. Poster Presentation at the International Stroke Conference, Nashville, TN. February 11-13, 2015

Dewland TA, Soliman EZ, Davis BR, Magnani JW, **Yamal JM**, Piller LB, Haywood LJ, Marcus GM. Predictors of Incident Conduction System Disease in the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT). Poster Presentation at the American Heart Association Scientific Sessions, Chicago, IL. November 2014.

Tilley BC and **Yamal J-M**. Revisiting the use of Phase II Futility trials to reduce the cost of phase III trials – Are Phase II futility trials futile? [Accepted for poster session presentation at the XXVII International Biometric Conference, Florence, Italy, July 6-11, 2014].

Shah R, Abbasi S, **Yamal J-M**, et al. Impaired fasting glucose and body mass index as determinants of diabetes and mortality in the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT): Is the obesity paradox real? [Accepted for poster session presentation at the American Society of Hypertension 29th Annual Scientific Meeting and Exposition, New York, New York, May 16-20, 2014].

Yamal JM, E. Neely Atkinson, Getie Zewdie*, and Dennis D. Cox. Macrolevel Discriminant Analysis: An Extension of Linear Discriminant Analysis for Nested Data. [Accepted for oral presentation at Joint Statistical Meetings 2013, Montreal, Canada, August 3-8, 2013].

Yamal JM, Getie A. Zewdie*, Scott B. Cantor, Dennis D. Cox, E. Neely Atkinson, Calum MacAulay, Kalatu Davies, Michele Follen. Accuracy of optical spectroscopy for the detection of cervical intraepithelial neoplasia and the role of probe placement. [Accepted for poster presentation at Women's Health 2012: The 20th Annual Congress, Washington DC, March 16-18, 2012].

Yamal JM, Getie A. Zewdie*, Scott B. Cantor, Dennis D. Cox, E. Neely Atkinson, Calum MacAulay, Kalatu Davies, Michele Follen. Accuracy of optical spectroscopy for the detection of cervical intraepithelial neoplasia and the role of probe placement. [Accepted for poster presentation at Cancer Detection and Diagnostics Technologies for Global Health Conference, August 2011].

Yamal JM, Cox D, Atkinson EN, MacAulay C, Price R, Follen M. Assessing the Repeatability of Functional Data: Repeatability of Tissue Fluorescence for the Detection of Cervical Intraepithelial Neoplasia. [Accepted for oral presentation at the Joint Statistical Meetings, August 2011].

Yamal JM. Distance Learning Technologies in Introductory Statistics Courses. [Accepted for Roundtable discussion at the Joint Statistical Meetings, August 2011].

Yamal JM and Cox D. Classifying Tissue Samples from Measurements on Cells: Application in Cervical Neoplasia. [Accepted for oral presentation at the Western North American Region of the International Biometric Society/ Institute of Mathematical Statistics annual meeting, June 2009].

Yamal JM and Cox D. Multilevel Classification for Heterogeneous Data. [Accepted for oral presentation at the 38th Symposium on the Interface of Statistics, Computing Science, and Applications, Pasadena, California, May 2006].

Yamal JM and Cox D. Multilevel Classification with Applications in Quantitative Cytology. [Accepted for oral presentation at the Joint Annual Meeting of the Interface and the Classification Society of North America, St. Louis, Missouri, June 2005].

Haygood T, O'Sullivan P, **Yamal JM**, Liles L, Madewell J, Chasen B, Fitzgerald N, Costelloe C, NG C, Sandler C, Lano E, McEnery K, and Murphy, JR. W. Determination of central line position in the superior vena cava or azygous vein on frontal chest radiographs. [Accepted as an electronic exhibit at the 109th annual meeting of the American Roentgen Ray Society, Boston, Massachusetts, April 26 – May 1, 2009].

Abstracts

Singapura P, Tansel A, Kalakota N, Cruz G, **Yamal J-M**, and Kaur M. Factors contributing to indeterminate QuantiFERON-TB Gold in-tube test results in patients with inflammatory bowel diseases. [Accepted for poster presentation at the DDW 2016 conference, San Diego, California, May 22-24, 2016]

Paula Einhorn, Ravi Shah, Siddique Abbasi, **Jose-Miguel Yamal**, Barry Davis, Joshua Barzilay, Allison Goldfine. Impaired fasting glucose and body mass index as determinants of diabetes and mortality in the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT): is the obesity paradox real? *Journal of the American Society of Hypertension* 1 April 2014 (volume 8 issue 4 Pages e120-e121 DOI: 10.1016/j.jash.2014.03.275)

Robertson C, Hannay HJ, **Yamal, J-M**, Gopinath S, Goodman JC, Tilley BC. Transfusion Threshold for Patients with Severe Traumatic Brain Injury. [Accepted for oral session presentation at Society of Critical Care Medicine's 43rd Critical Care Congress, San Francisco, California, January 9-13, 2014].

Gopinath S, Hannay HJ, **Yamal J-M**, Goodman JC, Tilley B, Robertson C. Thromboembolic Complications Associated with a Transfusion Threshold of 10 g/dl in TBI Patients. [Accepted for oral session presentation at American Association of Neurological Surgeons' 82nd Annual Scientific Meeting, San Francisco, California, April 5-9, 2014].

Graves J, Reisin E, Pressel S, **Yamal J-M**, Davis B. Cardiovascular outcomes using Lisinopril or amlodipine versus chlorthalidone in normal weight, overweight, and obese hypertensive patients in the allhat study. [Accepted for a Poster Presentation at the 24th Scientific Meeting of the International Society of Hypertension Sept 30 – Oct 4, 2012 in Sydney, Australia.]

Yamal JM, Getie A. Zewdie*, Scott B. Cantor, Dennis D. Cox, E. Neely Atkinson, Calum MacAulay, Kalatu Davies, Michele Follen. Accuracy of optical spectroscopy for the detection of cervical intraepithelial neoplasia and the role of probe placement. [Accepted for poster presentation at Women's Health 2012: The 20th Annual Congress, March 16-18, 2012, Washington, DC].

Thittai AK, **Yamal JM**, Ophir J. Small Breast Lesion Classification Performance Using the Normalized Axial-Shear Strain Area Feature. in Proceedings of the Tenth International Tissue Elasticity Conference, Oct 12-15, 2011 in Arlington, Texas.

Tao X, Yin L, Ramirez PT, Yu X, Feng L, Zou Y, **Yamal J-M**, and Yang H. Successful Conservative Treatment of Cervical Pregnancy with Uterine Artery Embolization Post Early Diagnosis with Transvaginal Color Doppler Sonography. *Journal of Minimally Invasive Gynecology* 16, (2009) S23.

Haygood T, O'Sullivan P, Ryan J, Galvan E, **Yamal JM**, Evanoff M, McEntee M, Costelloe C, Madewell J, Sandler C, Lano E, Prennan P. Recognition of images in reader

studies: How well can we predict which will be remembered? [Accepted for presentation at the Medical Image Perception Society conference (MIPS XIII) October 19-21, 2009 in Santa Barbara, California.]

Submitted Abstracts

Dewland TA, Soliman EZ, Davis BR, Yamal J-M, Alonso A, Albert CM, Simpson LM, Pressel S, Marcus G. Pharmacologic prevention of incident atrial fibrillation: Long-term follow up from the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial (ALLHAT). Submitted.

INVITED PRESENTATIONS

Optical technologies for the detection of cervical intraepithelial neoplasia: algorithm development and novel statistical methodology. **National Cancer Institute**, August 2011.

Optical technologies for the detection of cervical intraepithelial neoplasia: algorithm development and novel statistical methodology. University of Houston Downtown, July 2012.

Multilevel Classification. Louisiana State University Health Sciences Center, October 2006.

Multilevel Classification. Abbott Laboratories, September 2006.

TEACHING EXPERIENCE

Fundamentals of Data Analytics and Prediction (Spring 2018, 22 students)	4.6/5 overall effectiveness
Categorical Data Analysis (Fall, 2017, 39 students)	4.2/5 overall effectiveness
Data Science: Analytical Methods I (Spring, 2017, 7 students)	5.0/5 overall effectiveness
Categorical Data Analysis (Spring, 2017, 24 students, co-taught 50%)	4.3/5 overall effectiveness
Categorical Data Analysis (Fall, 2016, 50 students)	4.7/5 overall effectiveness
Categorical Data Analysis (Fall, 2015, 40 students) -	4.3/5 overall effectiveness
Foundations of Biostatistics (Spring, 2015, 48 students) -	4.3/5 overall effectiveness
Categorical Data Analysis (Fall, 2014, 49 students) –	4.6/5 overall effectiveness
Data Mining Methodology (Spring, 2014, 6 students) –	4.8/5 overall effectiveness
Foundations of Biostatistics (Fall, 2013, 53 students) –	4.8/5 overall effectiveness
Data Mining Methodology (Spring, 2013, 25 students) –	4.5/5 overall effectiveness
Foundations of Biostatistics (Fall, 2012, 40 students) –	4.8/5 overall effectiveness
Foundations of Biostatistics (Fall, 2011, 58 students) –	4.4/5 overall effectiveness
Data Mining Methodology (Summer, 2011, 8 students) –	4.3/5 overall effectiveness
Foundations of Biostatistics (Spring, 2011, 55 students) –	4.3/5 overall effectiveness
Foundations of Biostatistics (Fall, 2010, 59 students) –	4.4/5 overall effectiveness
Data Mining in Genetic Epidemiology (Summer, 2010, 8 students)	

Quantitative Methods (Spring, 2009, 25 students)

Invited Panelist for “Experiential learning: integrating community and research into the curriculum” at UT Health Science Center 2018 Faculty Summer Institute.

STUDENTS

Graciela Nogueras-Gonzalez, UT School of Public Health, PhD in Biostatistics

Advisor (2/2013-Present)

Dissertation Supervisor (8/2015-Present)

Noopur Singh, UT School of Public Health, MS in Biostatistics

Advisor (2016-present)

Rubaiya Islam, UT School of Public Health, MS in Biostatistics

Advisor and Thesis Advisor (2018-present)

Samantha Tam, UT School of Public Health, MPH in Epidemiology

Committee member (2017) “The Effect of Facility Volume on Guideline Compliance and Overall Survival in Oral Tongue Cancer”

Sharmila Giri, UT School of Public Health, MS in Biostatistics

Thesis advisor (2018-present)

Arup Sinha, UT School of Public Health, PhD in Biostatistics

Committee member (12/2015-2017)

Siddharth Karanth, UT School of Public Health, PhD in Management, Policy, and Community Health. Committee Member (2016)

Charles Luswata, UT School of Public Health, MS in Biostatistics

Advisor, Research Advisor (2/2015-12/2015)

Takeo Fujii, UT School of Public Health, MPH in Biostatistics

Advisor, Research Advisor (11/2014-5/2015)

Bin Shi, UT School of Public Health, MS in Biostatistics

Advisor (1/2015-Present)

Hyunsoo Hwang, UT School of Public Health, PhD in Biostatistics

Advisor (08/2012-Present), MS Committee member (05/2012-08/2012)

Hadley Smith, UT School of Public Health, PhD in Health Economics

Committee member (11/2016-present)

Hannah Pervin, UT School of Public Health, PhD in Biostatistics

Committee member (1/2016-2016)

Emma Enache, UT School of Public Health, PhD in Biostatistics

Advisor (08/2014-2015)

Getie Zewdie, UT School of Public Health, PhD in Biostatistics

Advisor (10/2010-2014)

Maria Laura Rubin, UT School of Public Health, PhD in Biostatistics

Advisor (5/2010-2017)

Dissertation Co-Supervisor (8/2015-2017) “A Joint Logistic Regression and Markov Chain Model With Application In Predicting 6-Month Outcome After Severe Traumatic Brain Injury”

Adriana Ordonez, UT School of Public Health, PhD in Biostatistics

Advisor (7/2012-2014)

Cindy Ma, UT School of Public Health, MS in Biostatistics

Advisor (12/2011-5/2013) “Classification of Cellular Malignancy Associated Changes in Cervical Cancer”
 Naru Ikoma, UT School of Public Health, MPH in Epidemiology
 Committee member (2017) “Trends of racial disparities in neoadjuvant chemotherapy use in gastric cancer patients in the United States, 2004-2014”
 Jae Joon Song, UT School of Public Health, PhD in Biostatistics
 Committee member (2015-2016).
 Alokananda Ghosh, UT School of Public Health, MS in Biostatistics
 Research Advisor, Advisor (08/2011-2014) “A Comparison of Statistical Learning Methods for Multiple Imputation of Unknown Stroke Types in the Systolic Hypertension in the Elderly Program (SHEP) Clinical Trial”
 Weilu Han, UT School of Public Health, PhD in Biostatistics
 Advisor (2017-2018)
 Swetha Mulpur, UT School of Public Health, MPH in Biostatistics
 Advisor (08/2011-08/2014)
 Rachel Raia, UT School of Public Health, MS in Biostatistics
 Advisor (8/2010-1/2012)
 Navdeep Pal, UT School of Public Health, MPH in Epidemiology
 Advisor (05/2012-08/2012)
 Rajeshwari Prasad, UT School of Public Health, MPH in Biostatistics
 Advisor (01/2012-8/2014)
 Nuvan Rathnayaka, UT School of Public Health, MPH in Biostatistics
 Advisor (08/2012-08/2014)
 Andrew Emerald, UT School of Public Health, MPH in Biostatistics
 Advisor (08/2012-Present)
 Cosmina Gingaras, UT School of Public Health, PhD in Epidemiology
 Committee member (9/2012-Present)
 Insiya Poonawalla, UT School of Public Health, PhD in Epidemiology
 Committee member (12/2011-7/2012)
 Michelle Ludwig, MD, UT School of Public Health, PhD in Epidemiology
 Committee member (10/2011-12/2013)
 Michelle Mekky, UT School of Public Health, PhD in Epidemiology
 Committee member (12/2010-2014)
 Spyridon Moraros, UT School of Public Health, MSPH in Epidemiology
 Committee member (12/2010-4/2013)
 Aleisha Elliott, UT School of Public Health, MS in Epidemiology
 Committee member (12/2010-8/2012)
 Sarathi Kalra, MPH in Biostatistics
 Thesis advisor (8/2012-12/2012)
 Noel Pugh, UT School of Public Health, PhD in Health Management
 Committee member (12/2010-Present)
 Melissa Karlsten, UT School of Public Health, MPH in Behavioral Science
 Committee member (06/2012-4/2013)
 Alexis Barboza, UT School of Public Health, PhD in MPACH
 Committee member (02/2014-Present)
 Wenqian Liang, UT School of Public Health, MPH in Biostatistics

Advisor (08/2014-12/2015)
Saroochi Agarwal, UT School of Public Health, PhD in Epidemiology
Committee member (10/2014-2016)
Emre Yucel, UT School of Public Health, PhD in Epidemiology
Committee member (12/2014-Present)
Hari Sankaran, UT School of Public Health, MS in Epidemiology
Committee member (10/2014-Present)
Cristina Espinosa Da Silva, UT School of Public Health, MPH in Health Promotion and
Behavioral Sciences, Committee member (6/2015-8/2015)
Xinshuo Wu, UT School of Public Health, MS in Biostatistics
Thesis advisor (1/2015-8/2015)- “Covariance-regularized macrolevel discriminant
analysis with application to cervical cancer screening”
Jie Deng, UT School of Public Health, MS in Epidemiology
Committee member (1/2016-2017)
Joshua Swan, UT School of Public Health, MPH in Epidemiology
Committee member (5/2015-Present)
Manasi Shah, UT School of Public Health, PhD in Epidemiology
Committee member (10/2015-2016) “The Gut Microbiome as A Modifiable Risk
Factor In Recurring Communicable and Chronic Non-Communicable Intestinal
Diseases”
Meiling Pan, UT School of Public Health, MS in Biostatistics
Thesis advisor (5/2015-2016) “Assessing Factors Associated with Clusters of
DNA Index Distribution in Patients with Cervical Neoplasia”
Xerxes Pundole, UT School of Public Health, PhD in Epidemiology
Committee member (12/2015-Present)
Zhe Dong, UT School of Public Health, MS in Biostatistics
Thesis advisor (1/2016-2017)

HONORS AND AWARDS

Nominated for 2014, 2018 University of Texas School of Public Health Excellence in Teaching Award.

Nominated for 2012 American Statistical Association Section on Teaching Statistics in the Health Sciences, Outstanding Teaching Award.

Rice fellowship 2001-2006

Alliances for Graduate Education and the Professoriate fellowship 2001-2005

President’s Honor Roll 1999

National Hispanic Merit Scholarship Program

SKILLS

Fluent Spanish

Software Packages and Programming: S-Plus, R, SPSS, JMP, Stata, Matlab

Computing Platforms: Macintosh OSX, Windows, Unix

PROFESSIONAL MEMBERSHIPS

Society of Clinical Trials, 2014-present
American Statistical Association, 2003-present
Institute of Mathematical Statistics, 2004-present

Last updated 09/1/2015