

## Tina M. Hernandez-Boussard, PhD, MPH, MS

Associate Professor, Medicine, Biomedical Informatics  
 Associate Professor, Surgery, General Surgery  
 Associate Professor, Biomedical Data Science  
 Stanford School of Medicine

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### A. EDUCATION

2013            Stanford University, M.S. Health Services Research  
 1999            University Lyon 1, Ph.D. Computational Biology  
 1993            Yale University, School of Medicine, M.P.H. Epidemiology  
 1991            University of California, Irvine, B.S. Biology  
 1991            University of California, Irvine, B.A. Psychology

### B. PROFESSIONAL EXPERIENCE

2016-present Associate Professor, Biomedical Data Sciences, Stanford University School of Medicine  
 2015-present Associate Professor, Biomedical Informatics; Department of Medicine; Stanford University School of Medicine  
 2015-present Associate Professor, General Surgery; Department of Surgery; Stanford University School of Medicine  
 2015-2016    Director, Surgical Health Services Research Unit; Stanford University School of Medicine  
 2011-2015    Assistant Professor, Surgery; Department of Surgery; Stanford University School of Medicine  
 2011-2015    Assistant Professor, Biomedical Informatics (courtesy); Department of Medicine; Stanford University School of Medicine  
 2007-2011    Senior Research Scientist, Executive-Director of Surgical Center for Outcomes Research & Evaluation; Department of Surgery; Stanford University School of Medicine  
 1999-2007    Senior Computational Biologist; Department of Genetics; Stanford University School of Medicine  
 1996-1999    Epidemiologist/Computational Biologist; International Agency for Research on Cancer; World Health Organization; Lyon, France.  
 1993-1996    Epidemiologist/Computational Biologist; Institute of Histology and Embryology; University of Lausanne; Lausanne, Switzerland.  
 1992- 1993    Epidemiologist/BioStatistician; Municipal Institute of Medical Investigation; Barcelona Consorci Hospital; Barcelona, Spain.

### C. HONORS AND AWARDS

- Faculty Fellowship Award, Office of Faculty Development and Diversity, Stanford University, 2015
- Innovation Award in Population Medicine, Stanford University, 2012
- Innovation Award in Population Medicine, Stanford University, 2011
- Honors Merit Master's Thesis, Yale University, 1993
- Howard Hughes Research Fellowship, University of California Irvine, 1987-1991

**D. SCHOLARLY ACTIVITY**SERVICE ON SCIENTIFIC REVIEW COMMITTEES

2006-2009	International Society of Molecular Biology (ISMB) Scientific Papers Committee
2009	Wellcome Trust Fund, Review Panel
2012-	Patient Centered Outcomes Research Institute (PCORI) Methods Review Panel
2015-	Agency for Healthcare Research and Quality (AHRQ), Special Emphasis Panel, Various Review Panels
2016-	Agency for Healthcare Research and Quality (AHRQ), Healthcare Safety and Quality Improvement Research (HSQR); Ad-hoc member

SERVICE ON NATIONAL SCIENTIFIC COMMITTEES

2012-2014	Agency for Healthcare Research and Quality (AHRQ) ICD-10-CM/PCS Conversion of Quality Indicators Workgroup
2012-2015	Agency for Healthcare Research and Quality (AHRQ) Workgroup for Quality Indicators
2016	Academy Health Annual Research Meeting, Abstract Reviewer
2016	American Public Health Association Annual Meeting, Abstract Reviewer
2016	Concordium Annual Meeting, Abstract Committee member
2016	Concordium Annual Meeting, Session Chair: Innovative Approaches to Accessing, Extracting, and Utilizing Data for Patient-Centered Care
2017	Academy Health Annual Research Meeting, Abstract Reviewer
2017	Academy Health Annual Research Meeting, Chair Student Posters

JOURNAL EDITING

2014-present PLOS-ONE

REVIEWER FOR SCIENTIFIC JOURNALS

- Annals of Emergency Medicine
- Bioinformatics
- Health Affairs
- Health Services Research
- J of American Public Health Association
- J of Bioinformatics
- JAMA Oncology
- Joint Commission Journal on Quality and Safety
- Medical Care
- OMICS: A Journal of Integrative Biology
- PlosOne
- PSI Foundation
- Surgery

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

2005-present The Ontology for Biomedical Investigators (OBI)

- Community Coordinator for Standards in Phenotype Data (2005-2007)
- Leader, Data Transformation (2006-2009)
- Community Coordinator for Medical Investigations (2007- 2010)

2010-present Academy Health

2012-present International Society for Quality in Healthcare

2013-present Stanford Cancer Institute

2014-present American Public Health Association

2014-present American Medical Informatics Association

## E. GRANT SUPPORT

### CURRENT SUPPORT

2015 - 2020 Source: NIH, National Cancer Institute (R01) 1R01CA183962  
 Title: Utilizing Electronic Health Records to Measure and Improve Quality Prostate Cancer  
 Role: Principal-Investigator (30%)  
 Total Annual Costs: \$606,029

2015 - 2020 Source: Agency for Healthcare Research and Quality (R01) 1R01HS024096  
 Title: Defining Quality Metrics for Post-Operative Pain Management  
 Role: Principal-Investigator (30%)  
 Total Annual Costs: \$231,434

2016 - 2017 Source: Gordon and Betty Moore Foundation Grant #5783  
 Title: Development of Strategic Framework and Implementation Plan for Measuring Diagnostic Excellence  
 Role: Co-Investigator (10%)  
 Total Annual Costs: \$278,333

### PENDING SUPPORT

2017 - 2022 Source: Agency for Healthcare Research and Quality (R01)  
 Title: Health Disparities Among Young Adults After Insurance Expansion  
 Role: Principal-Investigator (25%)

### PRIOR SUPPORT

2015 -2016 Source: Veterans Affairs Palo Alto Healthcare System  
 Title: Identifying Surgeries for Post-Operative Pain Management  
 Role: Principal-Investigator (30%)  
 Total Annual Costs: \$74,000

2010 -2015 Source: Agency for Healthcare Research and Quality (K01)  
 Title: Prioritizing Quality Improvement in Surgery through Patient Safety Indicators  
 Role: Principal Investigator (80%)

2013 -2014 Source: Agency for Healthcare Research and Quality (Contract)  
 Title: National Patient Safety Databases  
 Role: Co-Investigator (2%)

2012 -2013 Source: Plastic Surgery Foundation

Title: Hospital Factors Associated with Plastic Surgical Care  
 Role: Co-Investigator (7.5%)

2010-2011 Source: Gordon and Betty More Foundation  
 Title: A Simulation-Driven, Patient Safety Program to Improve Outcomes on Medical and Surgical Hospital Unit (PI: C. Braddock)  
 Role: Co-Investigator (10%)

2009-2010 Source: NIH, National Institute Arthritis and Musculoskeletal and Skin  
 Title: Chemoprevention of basal cell carcinoma with vitamin D (PI: J Tang)  
 Role: Biostatistician (20%)

## F. SCHOLARLY PUBLICATIONS

### PEER-REVIEWED ARTICLES (113 Published)

1. Tamang S, Hernandez-Boussard T, Ross E, Patel M, Gaskin G, Shah N. Enhanced Quality Measurement Event Detection: an Application to Physician Reporting. EGEMS(DC), *in press*
2. Finnegan MA, Shaffer R, Remington AC, Kwong JZ, Curtin C, **Hernandez-Boussard T**. Emergency Department Visits Following Elective Total Hip and Knee Replacement Surgery: Identifying Gaps in Continuity of Care. J Bone & Joint Surg, *in press*.
3. Curtin C, Kenney D, Suarez P, **Hernandez-Boussard T**, Carroll I. A double blind placebo randomized controlled trial of minocycline to reduce pain after carpal tunnel finger release. J Hand Surg, *in press*.
4. Pershing S, Morrison D, **Hernandez-Boussard T**. Cataract Surgery Complications and Revisit Rates among 3 States. Am J Ophthalmol. 2016 Nov;171:130-138.
5. Lenzi J, Avaldi VM, Hernandez-Boussard T, Descovich C, Castaldini I, Urbinati S, Di Pasquale G, Rucci P, Fantini MP. Risk-adjustment models for heart failure patients' 30-day mortality and readmission rates: the incremental value of clinical data abstracted from medical charts beyond hospital discharge record. BMC Health Serv Res. 2016 Sep 6;16:473.
6. Burns C, Wang E, Goldstein B, **Hernandez-Boussard T**. Characterization of Young Adult Emergency Department Users: Evidence to Guide Policy. J Adolesc Health. 2016 Dec;59(6):654-661.
7. Tsai J, Bertoni DM, **Hernandez-Boussard T**, Telli M, Wapnir IL. Lymph Node Ratio Analysis after Neoadjuvant Chemotherapy is Prognostic in Hormone Receptor Positive and Triple Negative Breast Cancer. Ann Surg Oncol. 2016 Oct;23(10):3310-6.
8. Tedesco D, **Hernandez-Boussard T**, Carretta E, Rucci Y, Rolli M, Di Denia P, McDonald K, Pia Fantini M. Evaluating Patient Safety Indicators in orthopedic surgery between Italy and the United States. Int J Qual Health Care. 2016 Sep;28(4):486-91.
9. Yanamadala S, Chung BI, **Hernandez-Boussard T**. Robot-assisted versus open radical prostatectomy utilization in hospitals offering robotics. Can J Urol. 2016 Jun;23(3):8279-84.
10. **Hernandez-Boussard T**, Tamang S, Blayney D, Brooks J, Shah N. New Paradigms for Patient-Centered Outcomes Research: Opportunities in Electronic Medical Records. EGEMS (Wash DC). 2016 May 12;4(3):1231.

11. Yanamadala S, Morrison D, Curtin C, McDonald K, **Hernandez-Boussard T**. Electronic Health Records and Quality of Care: An Observational Study Modeling Impact on Mortality, Readmissions, and Complications. *Medicine*, 2016 May;95(19):e3332.
12. Remington AC, **Hernandez-Boussard T**, Warstadt NW, Finnegan MA, Shaffer R, Kwong JZ, Curtin C. Analyzing Treatment Aggressiveness and Identifying High-Risk Patients in Diabetic Foot Ulcer Return to Care. *Wound Repair Regen*. 2016 Jul;24(4):731-6.
13. **Hernandez-Boussard T**, McDonald K, Morrison D, Rhoads K. Risks of adverse events in colorectal patients: population-based study. *J Surg Res*. 2016 May 15;202(2):328-34.
14. Vita R, Bandrowski A, Brinkman R, Brochhausen M, Brush MH, Bug B, Chibucos MC, Clancy K, Courtot M, Derom D, Dumontier M, Fan L, Fostel J, Fragoso G, Gibson G, Gonzalez-Beltran A, Haendel MA, He Y, Heiskanen M, **Hernandez-Boussard T**, Jensen M, Lin Y, Lister AL, Lord P, Malone J, Manduchi E, McGee M, Morrison N, Overton JA, Parkinson H, Peters B, Rocca-Serra P, Ruttenberg A, Sansone SA, Scheuermann RH, Schober D, Smith B, Soldatova LN, Stoeckert CJ, Taylor CF, Torniai C, Turner JA, Vita R, Whetzel PL, Zheng J. The Ontology for Biomedical Investigations. *PLoS One*. 2016 Apr 29;11(4):e0154556.
15. Bertoni DM, Nguyen D, Rochlin D, **Hernandez-Boussard T**, Meyer S, Choy N, Gurtner GC, Wapnir IL. Protecting Nipple Perfusion by Devascularization and Surgical Delay in Patients at Risk for Ischemic Complications During Nipple-Sparing Mastectomies. *Ann Surg Oncol*. 2016 Aug;23(8):2665-72.
16. Moghaven N, McDonald K, Ratliff J, **Hernandez-Boussard T**. Performance Measures in Neurosurgical Patient Care: Differing Applications of Patient Safety Indicators. *Med Care*. 2016 Apr;54(4):359-64.
17. **Hernandez-Boussard T**, Morrison D, Goldstein BA, Hsia RY. Relationship of ACA implementation to Emergency Department Utilization Among Young Adults. *Ann Emerg Med*. 2016 Jun;67(6):714-720.
18. Nguyen C, Milstein A, **Hernandez-Boussard T**, Curtin CM. The Effect of Moving Carpal Tunnel Releases Out of Hospitals on Reducing United States Health Care Charges. *J Hand Surg Am*. 2015 Aug;40(8):1657-62.
19. Vaziri K, Moshfeghi DM, **Hernandez-Boussard T**, Callaway NF, Moshfeghi AA. Ambulatory surgery center utilization by vitreoretinal surgeons: 1999-2011. *Ophthalmic Surg Lasers Imaging Retina*. 2015 Mar;46(3):355-61.
20. Moghaven N, Morrison D, Ratliff J, **Hernandez-Boussard T**. Cranial Neurosurgical 30-Day Readmissions by Clinical Indication. *J Neurosurg*. 2015 Jul;123(1):189-97.
21. Nguyen T, Haberland C, **Hernandez-Boussard T**. Pediatric Patient Factors Associated with Treatment of Peritonsillar Abscess and Cellulitis. *Clin Pediatr (Phila)*. 2015 Nov;54(13):1240-6.
22. Cloyd JM, Yang RL, **Hernandez-Boussard T**, Norton JA, Wapnir IL. Impact of Histological Subtype on Long Term Outcomes of Neuroendocrine Carcinoma of the Breast. *Breast Cancer Res Treat*. 2014 Dec;148(3):637-44.
23. **Hernandez-Boussard T**, Davies S, McDonald K, Wang NE. Interhospital Facility Transfers in the United States: A Nationwide Outcomes Study. *J Pat Safety*. 2014 Nov 13.
24. Braddock C, Szaflarski N, Forsey L, Abel L, **Hernandez-Boussard T**, Morton J. The TRANSFORM Patient Safety Project: A Microsystem Approach to Improving Outcomes on Inpatient Units. *J Gen Intern Med*. 2015; 30(4):425-33.
25. Curtin C and **Hernandez-Boussard T**. Readmissions after Treatment of Distal Radius Fractures. *J Hand Surg Am*. 2014; 39(10):1926-32.

26. **Hernandez-Boussard T**, Burns CS, Wang NE, Baker LC, Goldstein BA. The affordable care act reduces emergency department use by young adults: evidence from three States. *Health Aff (Millwood)*. 2014; 33(9):1648-54.
27. Goodnough LT, Maggio P, Hadhazy E, Shieh L, **Hernandez-Boussard T**, Khari P, Shah N. Restrictive blood transfusion practices are associated with improved patient outcomes. *Transfusion*. 2014; 54(10 Pt 2):2753-9.
28. Mell MW, Wang NE, Morrison DE, **Hernandez-Boussard T**. Inter-Facility Transfer and Mortality for Patients with Ruptured Abdominal Aortic Aneurysm. *Vasc Surg*. 2014; 60(3):553-7.
29. Zayed M, Bech F, **Hernandez-Boussard T**. National Review of Factors Influencing Disparities and Types of Major Lower Extremity Amputations. *Ann Vasc Surg*. 2014; 28(5):1157-65.
30. Nguyen C, **Hernandez-Boussard T**, Davies SM, Bhattacharya J, Khosla RK, Curtin CM. Cleft Palate Surgery: An Evaluation of Length of Stay, Complications, and Costs by Hospital Type. *Cleft Palate Craniofac J*. 2014;51(4):412-9.
31. Delgado MK, Yokell MA, Staudenmayer KL, Spain DA, **Hernandez-Boussard T**, Wang NE. Factors Associated with the Disposition of Severely Injured Patients Initially Seen at Non-Trauma Center Emergency Departments: Disparities by Insurance Status. *JAMA Surg, JAMA Surg*. 2014; 149(5): 422-30.
32. Mercer M, **Hernandez-Boussard T**, Mahadevan M, Strehlow M. Physician Identification and Patient Satisfaction in the Emergency Department: Are They Related? *J Emerg Med*. 2014; 46(5):711-8.
33. Arkin N, Lee P, McDonald K, **Hernandez-Boussard T**. The Association of Nurse-to-Patient Ratio with Mortality and Preventable Complications Following Aortic Valve Replacement. *J Card Surg*. 2014; 29(2):141-8.
34. Tang JY, Henderson MT, **Hernandez-Boussard T**, Kubo J, Desai M, Sims ST, Aroda V, Thomas F, McTiernan A, Stefanick ML. Lower skin cancer risk in women with higher body mass index: The Women's Health Initiative Observational Study. *Cancer Epidemiol Biomarkers Prev*. 2013; 22(12): 2412-5.
35. **Hernandez-Boussard T**, McDonald K, Rhoads KF, Curtin CM. Patient Safety in Plastic Surgery: Identifying Areas for Quality Improvement Efforts. *Ann Plast Surg*. 2015; 74(5):597-602.
36. **Hernandez-Boussard T**, Zeidler K, Barzin A, Lee G, Curtin C. Breast Reconstruction National Trends and Healthcare Implications. *Breast J*. 2013; 19(5):463-9.
37. Siontis KC, **Hernandez-Boussard T**, Ioannidis, JPA. Overlapping meta-analyses on the same topic: survey of published studies. *BMJ*. 2013; 347:f4501.
38. Cloyd JM, **Hernandez-Boussard T**, Wapnir IL. Outcomes of Partial Mastectomy in Male Breast Cancer Patients: Analysis of SEER 1983-2009. *Ann Surg Oncol*. 2013;20(5):1545-50.
39. Cloyd JM, **Hernandez-Boussard T**, Wapnir IL. Poor compliance with breast cancer treatment guidelines in men undergoing breast-conserving surgery. *Breast Cancer Res Treat*. 2013; 139 (1):177-82.
40. Casey K, **Hernandez-Boussard T**, Mell MW, Lee JT. Differences in readmissions after open repair versus endovascular aneurysm repair. *J Vasc Surg*. 2013 Jan;57(1):89-95.
41. Nguyen C, **Hernandez-Boussard T**, Khosla RK, Curtin CM. A National Study on Craniosynostosis Surgical Repair. *Cleft Palate Craniofac J*. 2013; 50(5):555-60.
42. Wysong A, Linos E, **Hernandez-Boussard T**, Arron ST, Gladstone H, Tang JY. Burden of non-melanoma skin cancer in the United States: prevalence and treatment patterns from 1995-2007. *Dermatol Surg*. 2013; 39(4):596-602.

43. Chen Y, Zak Y, **Hernandez-Boussard T**, Park W, Visser BC. The epidemiology of idiopathic acute pancreatitis, analysis of the nationwide inpatient sample from 1998 to 2007. *Pancreas*. 2013; 42(1):1-5.
44. Changchien EM, Woodard GA, **Hernandez-Boussard T**, Morton JM. Normal alcohol metabolism after gastric banding and sleeve gastrectomy: a case-cross-over trial. *J Am Coll Surg*. 2012; 215(4):475-9.
45. Mell MW, Callcut RA, Bech F, Delgado MK, Staudenmayer K, Spain DA, **Hernandez-Boussard T**. Predictors of emergency department death for patients presenting with ruptured abdominal aortic aneurysms. *J Vasc Surg*. 2012; 56(3):651-5.
46. Poultsides GA, Bao F, Servais EL, **Hernandez-Boussard T**, DeMatteo RP, Allen PJ, Fong Y, Kemeny NE, Saltz LB, Klimstra DS, Jarnagin WR, Shia J, D'Angelica MI. Pathologic response to preoperative chemotherapy in colorectal liver metastases: fibrosis, not necrosis, predicts outcome. *Ann Surg Oncol*. 2012; 19(9):2797-804.
47. Banka G, Woodard G, **Hernandez-Boussard T**, Morton JM. Laparoscopic vs open gastric bypass surgery: differences in patient demographics, safety, and outcomes. *Arch Surg*. 2012; 147(6):550-6.
48. **Hernandez-Boussard T**, McDonald KM, Morton JM, Dalman RL, Bech FR. Determinants of Adverse Events in Vascular Surgery. *J Am Coll Surg*. 2012; 214(5):788-97.
49. Woodard G, Ahmed S, Podelski V, **Hernandez-Boussard T**, Presti J Jr, Morton JM. Effect of Roux-en-Y gastric bypass on testosterone and prostate-specific antigen. *Br J Surg*. 2012; 99(5):693-8.
50. Downey J, **Hernandez-Boussard T**, Banka G, Morton JM. Is Patient Safety Improving? National trends in patient safety indicators: 1998-2007. *Health Serv Res*. 2012; 47(1 Pt 2):414-30.
51. **Hernandez-Boussard T**, Downey J, McDonald K Morton JM. Relationship Between Patient Safety and Hospital Surgical Volume. *Health Serv Res*. 2012; 47(2):756-69.
52. **Hernandez-Boussard T**, Ahmed SM, Morton JM. Obesity Disparities in Preventive Practice Patterns: Findings from the National Ambulatory Medical Care Survey, 2005-2007. *Obesity (Silver Spring)*. 2012; 20(8):1639-44.
53. Greenberg JI, Dorsey C, Dalman RL, Lee JT, Harris EJ, **Hernandez-Boussard T**, Mell MW. Long-term results after accessory renal artery coverage during endovascular aortic aneurysm repair. *J Vasc Surg*. 2012; 56(2):291-6; discussion 296-7.
54. Woodard GA, Encarnacion B, Peraza J, **Hernandez-Boussard T**, Morton J. Halo effect for bariatric surgery: collateral weight loss in patients' family members. *Arch Surg*. 2011; 146(10):1185-90.
55. Plerhoplesames T, Zak Y, **Hernandez-Boussard T**, Lau J. Another Use of the Mobile Device: Warm-up for Laparoscopic Surgery. *J Surg Res*. 2011 Oct;170(2):185-8.
56. Changchien E, Ahmed S, Betti F, Higa J, Keily K, **Hernandez-Boussard T**, Morton JM. B-type Natriuretic Peptide Increases after Gastric Bypass Surgery and Correlates to Weight Loss. *Surg Endosc*. 2011 Jul;25(7):2338-43.
57. Thorn CF, Oshiro C, Marsh S, **Hernandez-Boussard T**, Mcleod H, Klein TE, Altman RB. Doxorubicin pathways: pharmacodynamics and adverse effects. *Pharmacogenet Genomics*. 2011 Jul;21(7):440-6.
58. Zhou W, Zareie R, Tedesco M, Gholibeikian S, Lane B, **Hernandez-Boussard T**, Rosen A. Risk factors predictive of carotid artery stenting-associated subclinical microemboli. *Int J Angiol*. 2011 Mar;20(1):25-32.

59. Barzin A, **Hernandez-Boussard T**, Lee G, Curtin C. Comparison of Adverse Events Following Digital Replantation in Patients Over and Under 65 Years of Age. *J Hand Surg Am*. 2011 May; 36(5): 870-4.
60. Woodard GA, Downey J, **Hernandez-Boussard T**, Morton JM. Impaired alcohol metabolism after gastric bypass surgery: a case-crossover trial. *J Am Coll Surg*. 2011 Feb;212(2):209-14.
61. Moshfeghi A, Charalel R, **Hernandez-Boussard T**, Morton J, Moshfeghi D. Declining Incidence of Neonatal Endophthalmitis In the United States. *Am J Ophthalmol*. 2011 Jan; 151(1):59-65.e1.
62. Ikossi DG, Maldonado JR, **Hernandez-Boussard T**, Eisenberg D. Post-traumatic stress disorder (PTSD) is not a contraindication to gastric bypass in veterans with morbid obesity. *Surg Endosc*. 2010 Aug;24(8):1892-7.
63. Parent RJ, Plerhoples TA, Long EE, Zimmer DM, Teshome M, Mohr CJ, Ly DP, **Hernandez-Boussard T**, Curet MJ, Dutta S. Early, intermediate, and late effects of a surgical skills "boot camp" on an objective structured assessment of technical skills: a randomized controlled study. *J Am Coll Surg*. 2010 Jun;210(6):984-9.
64. Chandra V, Nehra D, Parent R, Woo R, Reyes R, **Hernandez-Boussard T**, Dutta S. A comparison of laparoscopic and robotic assisted suturing performance by experts and novices. *Surgery*. 2010 Jun;147(6):830-9.
65. Woodard GA, Peraza J, Bravo S, Toplosky L, **Hernandez-Boussard T**, Morton JM. One year improvements in cardiovascular risk factors: a comparative trial of laparoscopic Roux-en-Y gastric bypass vs. adjustable gastric banding. *Obes Surg*. 2010 May;20(5):578-82.
66. Kim YH, Kwei KA, Girard L, Salari K, Kao J, Pacyna-Gengelbach M, Wang P, **Hernandez-Boussard T**, Gazdar AF, Petersen I, Minna JD, Pollack JR. Genomic and functional analysis identifies CRKL as an oncogene amplified in lung cancer. *Oncogene*. 2010 Mar 11;29(10):1421-30.
67. Zhou W, Dinisak D, Lane B, **Hernandez-Boussard T**, Bech F, Rosen A. Long-term radiographic outcomes of microemboli following carotid interventions. *J Vasc Surg*. 2009 Dec; 50(6): 1314-9.
68. Lad EM, **Hernandez-Boussard T**, Morton JM, Moshfeghi DM. Incidence of Retinopathy of Prematurity in the United States: 1997 through 2005. *Am J Ophthalmol*. 2009 Sep;148(3):451-8.
69. Woodard GA, Encarnacion B, Downey JR, Peraza J, Chong K, **Hernandez-Boussard T**, Morton JM. Probiotics improve outcomes after Roux-en-Y gastric bypass surgery: a prospective randomized trial. *J Gastrointest Surg*. 2009 Jul;13(7):1198-204.
70. Kao J, Salari K, Bocanegra M, Choi YL, Girard L, Gandhi J, Kwei KA, **Hernandez-Boussard T**, Wang P, Gazdar AF, Minna JD, Pollack JR. Molecular profiling of breast cancer cell lines defines relevant tumor models and provides a resource for cancer gene discovery. *PLoS One*. 2009 Jul 3;4(7):e6146.
71. Riskin DJ, Tsai TC, Riskin L, **Hernandez-Boussard T**, Purtill M, Maggio PM, Spain DA, Brundage SI. Massive transfusion protocols: the role of aggressive resuscitation versus product ratio in mortality reduction. *J Am Coll Surg*. 2009 Aug;209(2):198-205.
72. Marsh S, Mcleod H, Dolan E, Shukla SJ, Rabik CA, Gong L, **Hernandez-Boussard T**, Lou XJ, Klein TE, Altman RB. Platinum pathway. *Pharmacogenet Genomics*. 2009 Jul;19(7):563-4.
73. Maggio PM, Brundage SI, **Hernandez-Boussard T**, Spain DA. Commitment to COT verification improves patient outcomes and financial performance. *J Trauma*. 2009 Jul;67(1):190-4; discussion 194-5.
74. Yeung JJ, **Hernandez-Boussard T**, Song TK, Dalman RL, Lee JT. Preoperative thrombus volume predicts sac regression after endovascular aneurysm repair. *J Endovasc Ther*. 2009 Jun;16(3):380-8.



75. Joseph B, Morton JM, **Hernandez-Boussard T**, Rubinfeld I, Faraj C, Velanovich V. Relationship between hospital volume, system clinical resources, and mortality in pancreatic resection. *J Am Coll Surg*. 2009 Apr;208(4):520-7.
76. Casey K, Zhou W, Tedesco MM, Al-Khatib WK, **Hernandez-Boussard T**, Bech F. Fate of the external carotid artery following carotid interventions. *Int J Angiol*. 2009 Winter;18(4):173-6.
77. Purtill MA, Benedict K, **Hernandez-Boussard T**, Brundage SI, Kritayakirana K, Sherck JP, Garland A, Spain DA. Validation of a prehospital trauma triage tool: a 10-year perspective. *J Trauma*. 2008 Dec;65(6):1253-7.
78. Pineda CE, Shelton AA, **Hernandez-Boussard T**, Morton JM, Welton ML. Mechanical bowel preparation in intestinal surgery: a meta-analysis and review of the literature. *J Gastrointest Surg*. 2008 Nov;12(11):2037-44.
79. Kwei KA, Kim YH, Girard L, Kao J, Pacyna-gengelbach M, Salari K, Lee J, Choi YL, Sato M, Wang P, **Hernandez-Boussard T**, Gazdar AF, Petersen I, Minna JD, Pollack JR. Genomic profiling identifies TTF1 as a lineage-specific oncogene amplified in lung cancer. *Oncogene*. 2008 Jun 5;27(25):3635-40.
80. Kwei KA, Bashyam MD, Kao J, Ratheesh R, Reddy EC, Kim YH, Montgomery K, Giacomini CP, Choi YL, Chatterjee S, Karikari CA, Salari K, Wang P, **Hernandez-Boussard T**, Swarnalata G, Van De Rijn M, Maitra A, Pollack JR. Genomic profiling identifies GATA6 as a candidate oncogene amplified in pancreatobiliary cancer. *PLoS Genet*. 2008 May 23;4(5):e1000081.
81. **Hernandez-Boussard T**, Whirl-carrillo M, Hebert JM, Gong L, Owen R, Gong M, Gor W, Liu F, Truong C, Whaley R, Woon M, Zhou T, Altman RB, Klein TE. The pharmacogenetics and pharmacogenomics knowledge base: accentuating the knowledge. *Nucleic Acids Res*. 2008 Jan;36(Database issue):D913-8.
82. Lapointe J, Li C, Giacomini CP, Salari K, Huang S, Wang P, Ferrari M, **Hernandez-Boussard T**, Brooks JD, Pollack JR. Genomic profiling reveals alternative genetic pathways of prostate tumorigenesis. *Cancer Res*. 2007 Sep 15;67(18):8504-10.
83. **Hernandez-Boussard T**, Woon M, Klein, TE, Altman RB. Integrating large scale genotype and phenotype data. *OMICS* 2006 10(4):545-54.
84. Demeter J, Beauheim C, Gollub J, **Hernandez-Boussard T**, Jin H, Maier D, Matese JC, Nitzberg M, Wymore F, Zachariah ZK, Brown PO, Sherlock G, Ball CA. The Stanford Microarray Database: implementation of new analysis tools and open source release of software. *Nucleic Acids Res*. 2006 35(D):766-70.
85. Bergamaschi A, Kim YH, Wang P, Sorlie T, **Hernandez-Boussard T**, Lonning PE, Tibshirani R, Borresen-Dale AL, Pollack JR. Distinct patterns of DNA copy number alteration are associated with different clinicopathological features and gene-expression subtypes of breast cancer. *Genes Chromosomes Cancer*. 2006 Nov;45(11):1033-40.
86. Whetzel PL, Brinkman RR, Causton HC, Fan L, Field D, Fostel J, Fragoso G, Gray T, Heiskanen M, **Hernandez-Boussard T**, Morrison N, Parkinson H, Rocca-serra P, Sansone SA, Schober D, Smith B, Stevens R, Stoeckert CJ Jr, Taylor C, White J, Wood A; Fugo Working Group. Development of FuGO: an ontology for functional genomics investigations. *OMICS*. 2006 Summer;10(2):199-204.
87. **Hernandez-Boussard T**, Klein TE, Altman RB. Pharmacogenomics: The relevance of emerging genotyping technologies. *MLO Med Lab Obs*. 2006 Mar;38(3):24, 26-30.
88. Melk A, Mansfield ES, Hsieh SC, **Hernandez-Boussard T**, Grimm P, Rayner DC, Halloran PF, Sarwal MM. Transcriptional analysis of the molecular basis of human kidney aging using cDNA microarray profiling. *Kidney Int*. 2005 Dec;68(6):2667-79.
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- balance and distinct expression signatures of MYC family gene amplification. *Oncogene*. 2006 Jan 5;25(1):130-8.
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93. Lee BP, Mansfield E, Hsieh SC, **Hernandez-Boussard T**, Chen W, Thomson CW, Ford MS, Bosinger SE, Der S, Zhang ZX, Zhang M, Kelvin DJ, Sarwal MM, Zhang L. Expression profiling of murine double-negative regulatory T cells suggest mechanisms for prolonged cardiac allograft survival. *J Immunol*. 2005 Apr 15;174(8):4535-44.
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95. Awad IA, Rees CA, **Hernandez-Boussard T**, Ball CA, Sherlock G. Caryoscope: an Open Source Java application for viewing microarray data in a genomic context. *BMC Bioinformatics*. 2004 Oct 15;5(1):151.
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- Fero MJ, Kristensen GB, Borresen-dale AL, Hastie T, Tibshirani R, Van De Rijn M, Teng NN, Longacre TA, Botstein D, Brown PO, Sikic BI. Gene expression patterns in ovarian carcinomas. *Mol Biol Cell*. 2003 Nov;14(11):4376-86.
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  108. **Hernandez-Boussard T**, Rodriguez-tome P, Montesano R. et al. IARC p53 mutation database: A relational database to compile and analyze p53 mutations in human tumors and cell-lines. *Hum Mutat*. 1999;14(1):1-8.
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  110. **Hernandez-Boussard, T**, Hainaut P. A specific spectrum of p53 mutations in lung cancer from smokers: Review of mutations compiled in the IARC p53 database. *Environ Health Persp*, 1998, 106, 385-391.
  111. **Hernandez, T**, Hainaut P. Tumor-Specific Mutation Spectra in the Human p53 Gene: From Carcinogen "Fingerprints" to Functional Consequences. *Environ Carcin Eco R*, 1998, C16, 31-45.
  112. Hainaut P, **Hernandez T**, Robinson A. et al. IARC Database of p53 gene mutations in human tumors and cell lines: updated compilation, revised formats and new visualisation tools. *Nucleic Acids Res* 1998, 26, 1, 205-213.
  113. Dogliotti E, Hainaut P, **Hernandez T**, D'Errico M, DeMarini DM. Mutation spectra resulting from carcinogenic exposure: from model systems to cancer-related genes. *Recent Results Cancer Res*. 1998;154:97-124.

#### BOOK CHAPTERS (4 TOTAL)

- **Hernandez-Boussard T**, McDonald K, Morton J. Using Patient Safety Indicators as Benchmarks. In: *SAGES Manual of Quality, Outcomes and Safety*: Springer US, 2012, 387-390.
- Ohgaki H, **Hernandez T**, Kleihues P, Hainaut P. p53 germline mutations and the molecular basis of the Li-Fraumeni syndrome. In: *Molecular Biology in Cancer Medicine*. Editors: Kurzrock R., Talpaz M. London, UK: Martin Dunitz, Malden, Mass, Blackwell Science, 1999, 477-492.
- **Hernandez-Boussard T**, Montesano R, Hainaut P. Analysis of p53 gene somatic mutations in human cancers: a tool to generate hypothesis on the natural history of cancer. In: *The use of Short-*

and Medium-Term tests for carcinogens and data on genetic effects in carcinogenic hazard evaluation. Editors: McGregor DB, Rice JM, Venitt S. Lyon, France: IARC Scientific Publications, No. 146. 1999, 43-53.

- Ohgaki H, Hainaut P, **Hernandez T**, Kleihues P. p53 Germline mutations and the Li-Fraumeni syndrome. In: Pathology and Genetics of tumours of the nervous system. Editors: Kleihues P., Cavenee W. K. Lyon, France: International Agency for Research on Cancer, 1997 p. 185-187.

## G. PRESENTATIONS

### INVITED LECTURES, EXTERNAL

1. *Generating Value from Electronic Health Records for Quality Measure Analytics*. University of Michigan, Computational Biology and Kellogg Center. February 2017, Ann arbor, MI
2. *Measure Quality with Electronic Health Records*. Center for Biomedical Informatics and Information Technology (CBIT). National Cancer Institute. February 2017, Bethesda, MD
3. *Using Electronic Healthcare Records to Measure Quality*. NIH, National Cancer Institute (NCI), November 2015, Bethesda, MD.
4. *Methods to Assess Quality Metrics*. Bioinformatics VA Boot Camp, October 2015, Menlo Park, CA
5. *Quality Measurement to Quality Improvement: Connecting the Dots*. Agency for Healthcare Research and Quality (AHRQ), October 2015, Bethesda, MD.
6. *Improving Quality Measurement*. University of Bologna, School of Preventative Medicine, July 2015, Bologna, Italy.
7. *Using Big Data for Quality Improvement*. Wound Care “Big Data” Summit Meeting. NIH, National Heart, Lung, and Blood Institute (NHLBI), March 2015, Bethesda, MD.
8. *Defining Quality Metrics in Electronic Healthcare Records*. Harvard University, Department of Public Health, Health Policy and Management, June 2014, Boston MA.
9. *Ontologies for Adverse Events*. International Conference on Biomedical Ontologies, July 2012, Buffalo, NY.
10. *Statistical Methods for Predicting Post-Gastric Bypass Weight Loss*. New Mexico State University, Bioinformatics, May 2009, Las Cruces, NM.
11. *Data Transformation for SNP Arrays*. Ontology for Biomedical Investigations Research, July 2007; Bethesda, MD.
12. Challenges Representing Phenotypes in Pharmacogenomics, Phenotypic Quality Ontology Annual Meeting, Nov. 2006; Stanford CA.
13. *Evolution of High-Throughput Data*. Women in Bioinformatics, Montana State University, Sept. 2006; Bozeman, MT
14. *Integration, Aggregation and Annotation of SNP array data*, Gene Expression Workshop, European Bioinformatics Institute. May 2006; Cambridge, UK.
15. *Standardized Representation in the Polymorphism Community*, University of Pennsylvania, Institute for Biomedical Informatics, Feb. 2006, Philadelphia, PA.
16. *Developing Standards for Genetic Variation Datasets from Emerging Technology*, National Cancer Research Institute, Feb. 2006; London, UK
17. *TP53 Mutations and Increased Cancer Incidence*. International HUGO Mutation Meeting, Oct. 1998; Denver CO.
18. *Head & Neck Carcinomas and their relation to TP53 Mutations*. International HUGO Mutation Meeting, Oct. 1997; Bratislava, Czechoslovakia.
19. *TP53 Mutation Detection and the IARC Database*. HUGO Mutation Detection Meeting, May 1997; Toulouse, France.

### PRESENTATIONS AT PROFESSIONAL MEETINGS

Oral, Presenter (22 Total)

1. Utilizing Electronic Health Record Documentation To Measure Value For Prostate Cancer Clinical Care. American Public Health Associations, October 2016; Denver, CO.
2. Utilizing Electronic Health Record Documentation Cancer Care. International Society for Quality in Health Care, October 2016; Tokyo, Japan.
3. Using Electronic Health Records(EHR) to access the effect of drug-interactions on post-operative pain management for patients with depression. Concordium. September 2016. Washington, DC
4. Systematic Measurement of Quality Healthcare Delivery Using Electronic Health Records. Concordium. September 2016. Washington, DC
5. Utilizing Electronic Health Record Documentation To Measure Value For Prostate Cancer Clinical Care. Society for Medical Decision Making. June 2016; London UK
6. Impact of Electronic Health Records on Quality of Care: Evidence on Inpatient Mortality, Readmissions, and Complications. American Medical Informatics Association, November 2015; San Francisco, CA
7. Changes in Racial Disparities for Emergency Department Utilization Among Young Adults After the Affordable Care Act's Dependent Coverage Expansion. American Public Health Association, November 2015; Chicago, IL
8. Patient-Centered Quality Measurement with Electronic Healthcare Records. Concordium, Academy Health. September 2015; Washington, DC
9. Changes in Emergency Department Diagnoses Among Young Adults after Insurance Expansions. Academy Health, June 2015; Minneapolis, MN
10. Quality Measurement With Electronic Healthcare Records. International Society for Quality in Health Care, October 2014; Rio de Janeiro, Brazil.
11. Analyzing Inpatient Adverse Events: The Need For Longitudinal Studies. International Biometrics Conference, July 2014; Florence, Italy.
12. Cost-Effectiveness Analysis Of Universal Screening Tests For Methicillin-Resistant *Staphylococcus Aureus* (MRSA) At Hospital Admission. Society for Medical Decision Making, June 2012; Oslo Sweden.
13. Disparities in Quality of Care Received by Inter-Facility Transfers. Academy Health, June 2012; Orlando, FL
14. Data-Driven Quality Improvement Efforts in Surgical Subspecialties: A Vascular Surgery Example. International Society for Quality in Health Care, Sept 2011; Hong Kong.
15. Identifying Surgical Adverse Events Using Administrative Data. International Conference on Biomedical Ontology: Representing Adverse Events. July 2011; Buffalo NY.
16. Relationship Between Patient Safety and Hospital Surgical Volume. Academy Health, June 2011; Seattle WA,
17. Establishing a Relationship between Quality Indicators and Hospital Volume. International Society for Quality in Health Care, Oct 2010; Paris France.
18. Signal Detection: A Statistical Method to Predict Post-Gastric Bypass Weight Loss. International Biometrics Conference, July 2008; Dublin Ireland.
19. Genome-wide Data Flow. Pharmacogenomics Research Network Annual Meeting, May 2005, Memphis, TN.
20. The Stanford Microarray Database. International Society for Molecular Biology (ISMB), July 2004; Edinburgh, UK.
21. Annotating Microarray Data. Microarray Gene Expression Databases Annual Meeting, Sept. 2002, Tokyo, Japan.
22. Microarrays in the Genome Era, the SMD database. Genomes 2000, May 2000; Paris France.

*Oral, Lead Author (5 Total)*

- Morrison D and **Hernandez-Boussard T.** *Weighting of Sensitivity and Specificity Estimates to Obtain Unbiased Performance Estimates for Classifiers.* Joint Summits on Translational Science, Mar, 2015, San Francisco, CA
- Morrison D, Desai M, Curtin C, **Hernandez-Boussard T.** *Controlling for Confounding of Associations between Hospital Characteristics and Patient Safety.* Joint Statistical Meetings, July 2014, Montreal, Canada.

- Vorhies J, Alamin T, **Hernandez-Boussard T**. Treatment of degenerative lumbar spondylolisthesis with fusion or decompression alone results in similar rates of reoperation at 5 years. Western Orthopedics Society, July 2014. Kohala Coast, HI.
- Moghaven N, Ratliff J, **Hernandez-Boussard T**. Readmission Rates for Cranial Neurosurgical Patients by Surgical Indication. American Association of Neurological Surgeons (AANS), April 2014, San Francisco, CA.
- Burns CS, Wang NE, Goldstein B, **Hernandez-Boussard T**. Decreased Emergency Department Utilization by Young Adult Frequent Users under Healthcare Reform. Society for Academic Emergency Medicine, June 2014, TX

*Poster, Presenter (12 Total)*

1. *Evaluating Postoperative Opioid Prescribing Patterns and Their Association with Pain Outcomes: Evidence Synthesis*. Concordium, Academy Health. September 2015; Washington, DC
2. *Impact of Electronic Health Records on Quality of Care: Evidence on Inpatient Mortality, Readmissions, and Complications*. Academy Health, June 2015; Minneapolis, MN
3. *Hospital Acquired Conditions In Colorectal Surgery*. International Society for Quality in Healthcare, Oct. 2014, Rio de Janeiro, Brazil.
4. *Decrease in Emergency Department Utilization for Young Adults under the Healthcare Reform*. Academy Health, June 2014, San Diego, CA
5. *Measurement Of Urinary Incontinence After Prostate Surgery From Data-mining Electronic Health Records (EHR)*. American Society for Clinical Oncology (ASCO), May 2014, Chicago, IL.
6. *A National Review of What Factors Influence the Type of Major Lower Extremity Amputation*. Academy Health, June 2013, Baltimore, MD
7. *Dose-Response Relationship Between Hospital Surgical Volume And Patient Safety*. Society for Medical Decision Making, Oct. 2011, Chicago, IL
8. *Adverse Events in Abdominal Aortic Aneurysm Repair*. Academy Health, June 2011, Seattle, WA.
9. *Estimated Impact of CMS's Stop Payment for Hospital-Acquired Infections*. Academy Health, June 2010, Boston, MA.
10. *Does Designation of Center of Excellence Improve Bariatric Surgery Outcomes?* Academy Health, June 2010, Boston, MA.
11. *Laparoscopic versus Open Gastric Bypass Surgery: Are There Differences in Patient Demographics, Safety, and Outcomes?* Academy Health, June 2009, Chicago, IL.
12. *The Ontology for Biomedical Investigations (OBI): the evolution and maintenance of a broad, community based biomedical ontology development project*. International Society Molecular Biology (ISMB), June 2009.

*Poster, Lead Author (11 Total)*

1. Evidence Synthesize To Aid Prescribing Decisions For Postoperative Pain Management. Society for Medical Decision Making, \*Lee B. Lusted Finalists.
2. Evaluating Postoperative Opioid Prescribing Patterns And Their Association With Pain Outcomes: Evidence Synthesis Using Electronic Health Records. \*Lee B. Lusted Finalists.
3. *Effect of Medicare's Nonpayment Policy on Surgical Site Infections following Orthopedic Procedures*. Academy Health, June 2016; Boston, MA. \*Best Student Abstract Finalist
4. *Revisits Following Elective Joint Replacement Surgery: Identifying Gaps in Continuity of Care for Medicaid Patients*. Academy Health, June 2016; Boston, MA.
5. *Identification of Targets to Improve 30-Day Returns to Emergency Department and Inpatient Care Among Thoracotomy Procedure Patients*. American Thoracic Society, May 2016; San Francisco, CA.
6. *Risk Factors for Re-admissions due to Post-Thoracotomy Pain in Lung Cancer Patients*. American Academy of Pain Medicine, February 2016; Palm Springs, CA.
7. *Accountability Measures in Neurosurgical Patients - the Need to Tailored Benchmarks*. Academy Health, June 2015; Minneapolis, MN.

8. *Patient and Hospital Characteristics Associated with Differential Utilization of Robot-Assisted Radical Prostatectomy in Hospitals Offering Robotic Surgery.* Academy Health, June 2014, San Diego, CA
9. *Patient Factors Associated with Treatment of Peritonsillar Abscess and Cellulitis in Pediatric Patients.* Academy Health, June 2014, San Diego, CA
10. *Procedure Related Readmissions Following Cataract Surgery.* International Society for Quality in Healthcare, Oct. 2013, Edinburgh, UK.
11. *Patient and Hospital Characteristics Associated with Adverse Events in Aortic Valve Replacement: Volume is Not the Strongest Predictor.* Academy Health, June 2013, Baltimore, MD

#### LECTURES AT STANFORD UNIVERSITY

1. *Statistical Approaches to Measure Policy Impact: The Effect of The Affordable Care Act's Dependent Coverage Expansion on Emergency Department Utilization.* Department of Medicine, Quantitative Science Unit. May, 2015.
2. *Impact of Electronic Health Records on Quality of Care: Evidence on Mortality, Readmissions, and Inpatient Adverse Events.* Department of Surgery, Grand Rounds. March 2015.
3. *Affect of the ACA on Emergency Department Utilization.* Department of Medicine, BioMedical Informatics Research, Feb. 2015
4. *Affordable Care Act and Emergency Department Use,* Department of Health Research and Policy, Epidemiology Research Seminar, Jan 2015.
5. *Effect of the Affordable Care Act on Emergency Department Use in Young Adults.* Department of Surgery, Grand Round, May 2013.
6. *Prioritizing Quality Improvement Efforts in Surgery: Examples from Vascular, Plastic and Colorectal Surgery.* Department of Surgery, Grand Rounds. Nov. 2012.
7. *Patient Safety in the Surgical Domain.* Center for Health Policy/Center for Primary Care and Outcomes Research, April, 2012.
8. *Prioritizing Quality Improvement in Surgery.* Department of Surgery, Grand Rounds, Nov. 2010
9. *Health Services Research in Obesity.* Department of Surgery, Medical School Course: Obesity in America, Stanford University, Feb. 2010.
10. *Predictors of Quality,* Department of Health Research and Policy, Biostatistics, Stanford University, Oct. 2007.
11. *High Throughput Data,* Department of Genetics, PharmGKB, Nov. 2005

#### **G. TEACHING AND MENTORING**

##### COURSES

- |      |  |         |
|------|--|---------|
| 2017 | Quality and Safety in the US Healthcare System | 3 units |
| 2017 | Essentials in Clinical Research                |         |

##### DISSERTATION COMMITTEE MEMBERSHIPS

2015 Kenneth Jung                      Ph.D. BioMedical Informatics Stanford University

##### POSTDOCTORAL SCHOLARS

2016-present Karishma Desai, PhD  
 2016-present Dario Tedesco, MD.

2016-present Panagiotis Kourdis, PhD.  
 2016-present Wen-wai Yim, PhD.  
 2016-present Rajendra Dulal, PhD.  
 2016 Cesar Escobar, PhD, MD

### UNDERGRADUATE STUDENTS

- Dylan Alip, 2012-2013
- Erin Brown, 2012-2014
- Caitlin Gowdy, 2012-2013
- Henry Ishitani, 2012-2013
- Yong-hun Kim, 2015-present
- Anna-Marie Manning, 2015-present
- Jessica Guo, 2015-present
- Cale Lester, 2015-present
- Durga Ganesh, 2016-present

### VISITING SCHOLARS

2017-2018 Jiawei Zhou, BS. School of Pharmaceutical Sciences/ Tsinghua University, Beijing, P.R. China. Understanding Pain Medication in Vulnerable Populations.  
 2017 Davide Gori, MD. School of Hygiene and Preventive Medicine, University of Bologna. Comparing Patient Centered Outcomes Across Methodologies.  
 2015 Dario Tedesco, MD. School of Hygiene and Preventive Medicine, University of Bologna; Visiting Scholar, 4-month internship. Measuring Quality in Orthopedic Surgery.

### MEDSCHOLARS PROGRAM

#### Mentor (15 Total)

- 2017 Nuriel Moghavem: Outcomes of Acute Ischemic Stroke in the Affordable Care Act Era
- 2017 Zarah Iqbal: Differences in Health Care Utilization Between Early and Late Adolescents with Chronic Medical Conditions
- 2017 Chris Magnani: Assessing PSA screening and active surveillance in the context of changing guidelines using patient-centered outcomes from electronic health records
- 2017 Kevin Li: Using electronic health records to assess patient-centered outcomes of prostate cancer care
- 2016 Micaela Finnegan: Trends In Breast Reconstruction Surgery Following Expanded Insurance
- 2016 Kuo-Kai Chin: Pain Readmissions Following Hernia Repair
- 2015 Jereen Kwong: Assessing the Effect of Medicare's Nonpayment Policy for Never Events.
- 2015 Micaela Finnegan: Pain-related Revisits Following Total Hip and Total Knee Arthroplasty.
- 2015 Robyn Schaffer: Assessing Readmissions for Post-Operative Pain in Thoracotomy Patients.
- 2014 Nuriel Moghavem: Cranial Surgery Readmissions
- 2013 Nuriel Moghavem: Accountability Measures in Neurosurgical Patients
- 2013 Carson Burns: Frequent Users of the Emergency Department.
- 2013 Swati Yanamadala: Adverse Outcomes Following Prostatectomy
- 2013 Thuy Thi Nguyen: Disparities in Treatment for Patients with Indications for Tonsillectomy.
- 2012 Nicole Arkin: Factors That Drive The Volume-Outcomes Gap In Aortic Valve Replacement.

#### Co-Mentor (3 Total)



- 2013 Lara Vogel: Driving Good Outcomes: Factors that drive the volume-outcomes gap in Aortic Valve Replacement Procedures.
- 2013 Michael Yokell: National Rates of under- and over-triage of trauma.
- 2015 Austin Remington: Wound Care: Factors that drive outcomes (under review)

#### SPECTRUM INTENSIVE COURSE IN CLINICAL RESEARCH, STANFORD UNIVERSITY

- 2009 – Present Study Design, Performance, and Biostatistics: Intensive course for Faculty, Fellows, Residents and Medical Students

#### SURGICAL CENTER FOR OUTCOMES RESEARCH, STANFORD UNIVERSITY (2007-2011)

##### Mentor (26 Total)

- Banka, Gaurav: Assessing the Impact of Centers for Medicare and Medicaid Services' (CMS) Decision to not Reimburse Hospital-Acquired Conditions, Stanford University School of Medicine Medical Student, 2008.
- Chandra, Venita: A comparison of laparoscopic and robotic assisted suturing performance by experts and novices. Stanford University School of Medicine Resident, Biostatistician mentor, 2008.
- Downey, John: Gastric Bypass Improves Markers of Aging, Medical Scholars Program, Stanford University School of Medicine Student, 2008-2009.
- Rao, Samhitha: Development of a Clinical Database. Lucile Packard Children's Hospital, Biostatistician mentor, 2008.
- Peraza, Joe: The effect of gastric bypass on cognition. Stanford University School of Medicine Medical Student, 2008–2009.
- Woodard, Gavitt: Does Gastric Bypass Exert a Halo Effect? Medical Scholars Program, Stanford University School of Medicine Medical Student, 2008–2009.
- Ahmed, Shushmita Mehjabin: Improvement in Women's Health After Bariatric Surgery, Stanford University School of Medicine Student, Biostatistician mentor, 2009-2010.
- Casey, Kevin: Fate of the External Carotid Artery Following Carotid Interventions. Stanford University School of Medicine Resident. Biostatistician mentor, 2009.
- Parent, Rich: Early, Intermediate, and Late Effects of a Surgical Skills "Boot Camp" on an Objective Structured Assessment of Technical Skills: A Randomized Controlled Study. Biostatistician mentor, 2009.
- Parsa, Sean Shahriar: Head and Neck Melanoma. Stanford University School of Medicine, Biostatistician mentor, 2009.
- Podelski, Valerie: Deficiencies after Gastric Bypass. Stanford University School of Medicine, Dept of Surgery. Biostatistician mentor, 2009.
- Schultz, Geoffrey: A Single-Center Experience in Endovascular Treatment of Symptomatic Abdominal Aortic Aneurysm Disease. Stanford University School of Medicine Resident. Biostatistician mentor, 2009.
- Yeung, Janice: Preoperative thrombus volume predicts sac regression after endovascular aneurysm repair. Stanford University School of Medicine Resident. Biostatistician mentor, 2009.
- Bajaj, Chhavi: Does a Correlation Exist between Micronutrient Levels and Biochemical Cardiovascular Risk Factors in Post-Bariatric Surgery Patients? Stanford University School of Medicine Student, Biostatistician mentor, 2010.
- Barzin, Ario: Comparison of Adverse Events Following Digital Replantation in Patients Over and Under 65 Years of Age. Stanford University School of Medicine Resident, Biostatistician mentor, 2010.

- Changchien, Eric: Are there Racial Disparities in Bariatric Surgery Outcomes? Stanford University School of Medicine, Biostatistician mentor, 2010.
- Chung, Christina: "Phantom" Publications Among Plastic Surgery Residency Applicants. Stanford University School of Medicine, Biostatistician mentor, 2010.
- Linos, Eleni: Burden of Non-melanoma Skin Cancer in the US 1998-2007. Stanford University School of Medicine, Biostatistician mentor, 2010.
- Makiko Dua, Monica: Surgery for thoracic outlet syndrome: a nationwide perspective. Stanford University School of Medicine Resident, Biostatistician mentor, 2010.
- Mercer, Mary: Physician Identification and Patient Satisfaction in Emergency Department Care. Stanford University School of Medicine Resident, Biostatistician mentor, 2010.
- Montez, Kim: Self-perception and Behaviors of Pediatric Patients with Surgical Scars. Stanford University School of Medicine Student, Biostatistician mentor, 2010.
- Plerhoples, Tim: Improved Outcomes After Bariatric Surgery in COE Centers. Stanford University School of Medicine Resident, Biostatistician mentor, 2010.
- Poultides, George: Liver resection for colorectal cancer liver metastasis. Stanford University School of Medicine, Assistant Professor. Biostatistician mentor, 2010.
- Raghunathan, Amaritha: Vehicular Trauma in India. Stanford University School of Medicine Resident, Biostatistician mentor, 2010.
- Toplosky-Riskin, Loren: The Growth in Pediatric Admissions for Obesity-Related Illness: 1998-2007. Duke Medical Student, 1-year at Stanford University School of Medicine. Biostatistician mentor, 2010.
- Tsai, Thomas: Ultrasound for Diagnosis of Pediatric Appendicitis Project. Stanford University School of Medicine Student, Biostatistician mentor, 2010.

#### TUTORIALS, STANFORD UNIVERSITY

2004-2005     Stanford University, Stanford Microarray Database

- Computational Biology/Biostatistics Mentor
- Faculty, Post-Doctoral and Doctorial Students
- Quarterly Tutorials on Microarray Use and Analysis