

ELIZABETH GOODWIN HILL
Curriculum Vitae

OFFICE

Hollings Cancer Center
86 Jonathan Lucas Street
Medical University of South Carolina
Charleston, SC 29425
hille@musc.edu

HOME

Charleston, SC
Phone: 843-817-6996
elgoodwinhill@gmail.com

EDUCATION

University of Rochester, Rochester, NY	B.A.	May 1984	Mathematics
Emory University, Atlanta, GA	M.S.	May 2001	Biostatistics
Emory University, Atlanta, GA	Ph.D.	May 2002	Biostatistics

FACULTY APPOINTMENTS

Jan 2021 – Present	Professor of Biostatistics with tenure, Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC
Dec 2019 – Jan 2021	Affiliate Professor of Biostatistics, Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC
Jul 2018 – Dec 2019	Professor of Biostatistics, Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC
Jul 2010 – Jun 2018	Associate Professor of Biostatistics, Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC
Jul 2003 – Jun 2010	Assistant Professor of Biostatistics, Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC
Jul 2018 – Dec 2019	Adjunct Professor, Department of Public Health Science, Clemson University, Clemson, SC
Apr 2016 – Jun 2018	Adjunct Associate Professor, Department of Public Health Science, Clemson University, Clemson, SC

ADMINISTRATIVE APPOINTMENTS

Jul 2022 – Present	Division Lead, Biostatistics and Bioinformatics, Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC
Jan 2021 – Present	Director, Biostatistics Shared Resource, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC
Jul 2017 – Dec 2019	Director, Biostatistics Shared Resource, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC
Jul 2015 – Jun 2017	Vice Chair for Academic Programs, Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC
Jul 2015 – Jun 2017	Graduate Training Director, Biostatistics Master of Public Health, Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC

PROFESSIONAL EXPERIENCE

Jan 2020 – Jan 2021	Statistical Director, Early Phase Oncology, Eli Lilly and Company <ul style="list-style-type: none">• Oversight of statistical design and execution of all early phase oncology trials, including first-in-human phase 1, phase 2, and seamless phase 1/2 trials• Coordination of activities across functional areas to facilitate efficient trial conduct and timely regulatory submissions• Prioritization and support of statistical methodologic research initiatives impacting early phase oncology development pipeline
---------------------	---

OTHER PROFESSIONAL EXPERIENCE

Nov 2001 – Jun 2003	Mathematical Statistician Centers for Disease Control and Prevention, Atlanta, GA Division of HIV/AIDS Prevention National Center for HIV/AIDS, STD and TB Prevention
Aug 1998 – Dec 1998	Research Assistant, Department of Biostatistics Emory University, Atlanta, GA
May 1997 – Aug 1997	Intern, Centers for Disease Control and Prevention, Atlanta, GA Division of Reproductive Health National Center for Chronic Disease Prevention and Health Promotion
Dec 1996 – Apr 1997	Statistical Consultant SpectRx, Norcross, GA
Sep 1984 – Jun 1996	Secondary Mathematics Teacher Rochester, NY; Caracas, Venezuela; Marietta, GA

PROFESSIONAL MEMBERSHIPS**National**

1996 – Present	American Statistical Association <i>Section memberships:</i> Biometrics, Biopharmaceutical, Statistical Education, Teaching Statistics in the Health Sciences, Statistics and the Environment
1996 – Present	International Biometric Society – Eastern North American Region
2012 – Present	American Association for Cancer Research
2012 – Present	American Society of Clinical Oncology
2021 – Present	Society for Immunotherapy of Cancer

Regional

2003 – Present	South Carolina Chapter of the American Statistical Society
----------------	--

PROFESSIONAL APPOINTMENTS and ACTIVITIES**National Grant Review**

Jun 2022	Reviewer, Ad hoc-Combat Care Delivery review panel, Combat Readiness-Medical Research Program, Department of Defense
Apr 2022, Nov 2022	Reviewer, Special Emphasis Review Panel, Cancer Prevention and Immunotherapy, National Institutes of Health, Bethesda, MD
Feb 2022	Reviewer, Immuno-Oncology Research OTC-D08, Center for Scientific Review, National Institutes of Health, Bethesda, MD
Oct 2021	Reviewer, Equitable Care of Metastatic Breast Cancer Patients, American Society of Clinical Oncology Conquer Cancer Foundation and Pfizer Global Medical Grants, Alexandria, VA
Jun 2021	Reviewer, Clinical Oncology Study Section, Center for Scientific Review, National Institutes of Health, Bethesda, MD
Jul 2018 – Jan 2020	Member, Clinical Oncology Study Section, Center for Scientific Review, Bethesda, MD
Oct 2017	Reviewer, Department of Defense Congressionally Directed Medical Research Programs, Breast Cancer Research Program, Washington DC
Mar 2015	Reviewer, Special Emphasis Review Panel, NIDDK R24 (Research Resource Project) applications in Collaborative Interdisciplinary Team Science, Center for Scientific Review, National Institutes of Health, Bethesda, MD

Apr 2014	Reviewer, Special Emphasis Review Panel, NCI UM1, NCI Community Oncology Research Program (NCORP) Community Sites applications, Center for Scientific Review, National Institutes of Health, Bethesda, MD
Feb 2013 – Feb 2019	Reviewer, Conquer Cancer Foundation Grants Selection Committee, Young Investigator and Career Development Awards, American Society of Clinical Oncology, Alexandria, VA
Sep 2012, Feb 2013	Reviewer, Special Emphasis Review Panel of NCI P50 (SPORE) and R01 applications in Lung, Skin, Ovarian, Pancreatic and Gastrointestinal Cancers, Center for Scientific Review, National Institutes of Health, Bethesda, MD
Jul 2012, Jan 2013	Reviewer, Special Emphasis Review Panel of NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03) applications, National Institutes of Health, Bethesda, MD
Nov 2011, Nov 2012	Reviewer, Special Emphasis Review Panel of Community Clinical Oncology Program (CCOP) and Minority-Based CCOP applications, National Cancer Institute, National Institutes of Health, Bethesda, MD
Oct 2010, Feb 2011	Reviewer, Clinical Oncology Study Section, Center for Scientific Review, National Institutes of Health, Bethesda, MD

Local Grant Review

Apr 2022 – Present	Reviewer, Hollings Limited Submission Review Committee (V Foundation, ACS, Pew, CCSG Supplements), Medical University of South Carolina, Charleston, SC
Sep 2021 – Present	Reviewer, College of Medicine Enhancement of Team Science (COMETS) Program, Medical University of South Carolina, Charleston, SC
Feb 2018 Oct 2018 Feb 2019	Reviewer, Postdoctoral and Clinical Fellowship Program, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC
Apr 2015	Reviewer, Myeloid Malignancies Research Pilot Project, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC
2012 – 2015	Reviewer, Center for Oral Health Research Pilot and Feasibility Project Program, Medical University of South Carolina, Charleston, SC
May 2009	Reviewer, Research Project Grants Retreat, Medical University of South Carolina, Charleston, SC
2008 – 2019	Reviewer, Hollings Cancer Center Translational Pilot Project Research, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC
2007 – Present	Reviewer, American Cancer Society Institutional Research Grant, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC

National Advisory Boards/Research Consortia

2013 – 2015	Expert Panel Member, Use of tumor biomarkers in advanced stage breast cancer guidelines, American Society of Clinical Oncology, Alexandria, VA
2013 – 2020	Board member, Task Force on Design and Analysis in Oral Health Research
2012 – 2013	Member, Task Force on Design and Analysis in Oral Health Research

Local and Regional Committees

2021 – Present	Member, Clinical Research Executive Committee, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC
2017 – 2019	

2021 – Present 2017 – 2019	Member, Research Committee, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC
2021 – Present 2008 – 2019	Member, Protocol Review Committee, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC
2021 – Present 2007 – 2019	Member, Biostatistics Shared Resource, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC
2021 – Present	Member, Internal Advisory Committee Lipidomics Shared Resource, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC
2015 – 2019	Member, Institutional Review Board II, Medical University of South Carolina, Charleston, SC
2008 – 2017	Member, Data Safety and Monitoring Committee, Hollings Cancer Center, Medical University of South Carolina, Charleston, SC
2007 – 2019	Member, Cancer Control Advisory Committee Surveillance Subcommittee, South Carolina Central Cancer Registry, DHEC, Columbia, SC

External Data and Safety Monitoring Committees

2021 – Present	Member, Data Safety and Monitoring Board, Adapting an Evidence-Based Program that Improves Oral Hygiene and Health for Assisted Living Residents with Dementia, NIA, National Institutes of Health, Bethesda, MD
2012 – 2015	Member, Data Safety and Monitoring Board, Allogenic Hematopoietic Stem Cell Transplantation for Mitochondrial Neurogastrointestinal Encephelomyopathy International Collaborative Trial (AHSTC for MNGIE), NINDS, National Institutes of Health, Bethesda, MD
2011 – 2013	Member, Data Safety and Monitoring Board, Thrombolysis in Pediatric Stroke Study (TIPS), NINDS, National Institutes of Health, Bethesda, MD

EDITORIAL POSITIONS

Referee

American Journal of Epidemiology
Annals of Epidemiology
Annals of Oncology
Annals of Otolaryngology and Rhinology
Biometrical Journal
Biometrics
BMC Bioinformatics
BMC Cancer
Cancer
European Journal of Cancer
JAMA Oncology
Journal of the American Dental Association
Journal of Clinical Oncology
Journal of Clinical Periodontology
Journal of the National Cancer Institute
Journal of Periodontology
Journal of Thoracic Oncology

PLOS One
Spatial and Spatio-temporal Epidemiology
Statistical Methods in Medical Research
Statistics in Medicine

EXTRAMURAL GRANTS and CONTRACTS

ACTIVE as Principal Investigator or Core Director % Time
In descending order by end date

Medical University of South Carolina – Cancer Center Support Grant, Biostatistics Shared Resource 20%
NIH/NCI
P30 CA138313/DuBois/Hill
04/01/2009 – 03/31/2024

COMPLETED as Principal Investigator or Core Director % Time
In descending order by end date

Accelerating Data-Driven Solutions in Cancer Research 0%
Hollings Cancer Center Equipment and Technology Award
07/01/2021 – 06/30/2022

Beat Childhood Cancer 5%
Neuroblastoma and Medulloblastoma Translational Research Consortium Agreement
NMTRC/Hill
05/08/2018 – 12/31/2019

South Carolina Cancer Disparities Research Center (SC CADRE) 20%
Biostatistics and Quantitative Methods Shared Resource
NIH/NCI U54CA210962/Ford (MUSC) and Salley (SCSU)/
Hill (MUSC) and Tahsoh (SCSU)
09/01/2017 – 12/31/2019

Endoplasmic Reticulum Chaperones in Cancer Biology and Therapy, Biostatistics and Administrative Core 8%
NIH/NCI
1P01CA186866-02/Li/Hill
07/01/2017 – 05/09/2019

Statistical Models for Multiplex-Immunoassay Data in Oral Health Research 29.2%
NIH/NIDCR
1 R03 DE021775-01A1/Hill
07/01/2012 – 06/30/2015

MUSC Center for Oral Health Research 5%
NIH/NCRR
1P30GM103331-01/Kirkwood/Hill
09/05/2012 – 12/31/2013
Co-Director, Biostatistics Core

Statistical Methods for Head and Neck Cancer Proteomics 80%
NIH/NIDCR
1K25 DE16863/Hill
09/20/2005 – 08/31/2010

ACTIVE as Co-Investigator
In descending order by end date

South Carolina Cancer Disparities Research Center (SC CADRE) 5%
Biostatistics and Quantitative Methods Shared Resource
NIH/NCI U54CA210962/Ford (MUSC) and Salley (SCSU)
02/01/2021 – 08/31/2022

Exploratory clinical trial of topical Imiquimod 5% cream as window-of-opportunity monotherapy for early-stage oral cancer	10%
NIH/NCI R21 CA252441/ Yoon 04/01/2022 – 03/31/2023	
Lymphocyte and inflammatory cytokine markers of response in the first-in-human combination of anti-PD-1 mAb and IL-15/IL-15Ra complexes and investigation of mediators of anti-tumor immune responses	5%
NIH/NCI R01 CA222817/ Wrangle (MUSC) / Rubinstein (OSU) 03/01/2022 – 03/31/2024	
The immune contexture of colorectal adenomas and serrated polyps	2%
NIH/NCI R01 CA226086/ Wallace 04/01/2022 – 08/31/2024	
Treg functional changes: a novel immune regulatory effect underlying the benefit of statin drug use on lethal prostate cancer	3%
NIH/NCI R00 CA246097/ Marrone 03/01/2022 – 02/28/2025	
Translating novel drug-targetable biomarkers to treat graft versus host disease	11.5%
NIH/NCI R01 CA168814/ Paczesny 05/01/2022 – 04/30/2025	
ARIH1 function in EMT and tumorigenesis	5%
DoD BC210982/ Howe 06/01/2022 – 05/31/2025	
Senescence-induced progression of Alzheimer's disease	2.5%
NIH/NIA R01 AG068286/ Wang 09/15/2020 – 05/31/2025	
Tumor suppressor vulnerability conferred by aneuploid loss of haploinsufficient metallothionein genes	3%
NIH/NCI DP2 CA280626/ Delaney 09/01/2022 – 08/31/2025	
Randomized controlled trial to evaluate the survivorship needs assessment planning tool for head and neck cancer survivor-caregiver dyads	5%
NIH/NCI R01 CA259186/ Sterba 01/01/2022 – 12/31/2026	
Randomized controlled trial to evaluate a novel treatment strategy for body image-related distress among head and neck cancer survivors	4%
NIH/NCI R01 CA269385/ Graboyes 12/01/2022 – 11/30/2027	

COMPLETED as Co-Investigator*In descending order by end date*

Targeting Chronic ER Stress in T Cells to Improve Cancer Immunotherapy	3%
NIH/NCI 1R01CA244361-01A1/Thaxton 07/01/2021 – 11/05/2021	
Exploitation of ER Stress Induced Immune Dysfunction to Improve Cancer Immunotherapy	3%
NIH/NCI 1R01CA248359-01/Thaxton 05/01/2020 – 11/05/2021	

Clinical Impact of Respiratory-Swallow Training on Refractory Dysphagia in OP HNC	5%
VA Merit	
1 I01 RX002352-01/Martin-Harris	
01/01/2018 – 12/31/2019	
Development of Novel Molecularly Targeted Therapy to Secreted Frizzled Related Protein 2 for Breast Cancer	2.5%
DOD	
W81XWH-18-1-0007/DeMore	
01/01/2018 – 12/31/2019	
A Novel Serum and Tissue Immunoglycomic Biomarker Panel to Distinguish Progressive PCa	8%
DOD	
W81XWH-17-1-0643/Drake	
09/30/2017 – 12/31/2019	
Improving Evidence-based Care for Cancer Patients	5%
AHRQ	
1R01HS024533-01/Warren/Ford	
04/01/2016 – 12/31/2019	
Overcoming Resistance in HER2-positive Breast Cancer	3%
NIH/NCI	
1R01CA187305-01A1/Yeh	
07/01/2015 – 12/31/2019	
Senescence-Induced Inflammasome Activation Promotes Cancer Progression	2.5%
American Cancer Society	
RSG-14-241-01-CSM/Guo	
01/01/2015 – 12/31/2019	
Diagnostic Test for Metastatic Kidney Cancer	2%
NIH/NCI	
1R43CA228686-01A1/Carrithers	
09/14/2018 – 08/31/2019	
Combination Therapy with a Novel Humanized Antibody to Secreted Frizzled Related Protein 2 for Sarcoma	1%
Sarcoma Foundation of America/DeMore	
06/01/2018 – 05/31/2019	
Pim 1 Protein Kinase in Regulating Stromal Cell Biology in Prostate Cancer	2%
DOD (University of Arizona)	
W81XWH-15-1-05/Kraft (UA); Drake (MUSC)	
07/01/2017 – 09/14/2018	
Predicting Dysphagia Severity with MBSImP	15%
Northwestern University Subcontract/Martin-Harris	
07/01/16 – 06/30/2018	
Improving Resection Rates among African Americans with NSCLC	2%
NIH/NCMHD	
1 R01 CA142742-01A1/Ford/Esnaola	
04/01/2012 – 03/31/2018	
Mechanisms of RNA-Binding Protein-Mediated Apoptosis in Oral Mucositis	5%
NIH/NIDCR	
1R01DE022776-01A1/Palanisamy	
05/01/2013 – 03/31/2018	

Application of a Cx43 Targeted Agent for the Treatment of Metastatic Breast Cancer METAvivor Yeh 01/01/2016 – 12/31/2017	2%
Medical University of South Carolina-Cancer Center Support Grant NIH/NCI 1P30 CA138313-01/Leone 09/01/2010 – 06/30/2017	20%
Ensuring Rigor and Reproducibility: A Team-Based Approach NIH/NIGMS 3T32GM008716-17 Administrative Supplement/Halushka 07/01/2016 – 06/30/2017	8.3%
Extrinsic and Intrinsic Factors Regulating Commensal-Specific T Helper-17 Cells NIH/NIAID 1 U01 AI125859-01/Liu 07/01/2016 – 06/30/2017	5%
Role of Hematopoietic Stem Cells in Periodontal Ligament Homeostasis NIH/NIDCR 1R03DE024536-01A1/Mehrotra 04/01/2015 – 03/31/2017	1%
Novel Training Approach for Treatment of Swallowing Impairment in Patients with Refractory Dysphagia after Stroke COBRE Pilot Project NIH/NIGMS/ Martin-Harris 01/01/2016 – 12/31/2016	1%
Infrastructure Development for a Randomized Clinical Trial on Dysphagia VAMC I21RX001364-01/Martin-Harris 02/01/2014 – 09/30/2015	10%
Extracellular Hsp90 as a Novel Epigenetic Regulator of EMT and Metastatic Risk in Prostate Cancer DOD PC110235/Isaacs 09/10/2012 – 08/31/2015	3%
Race, Prognostic Markers and Survival in Early and Late-Onset Colorectal Cancer NIH/NCI 1 R03 CA156668-01A1/Wallace 07/23/2012 – 07/22/2014	2% yr 1 9% yr 2
Respiratory-Swallowing Training in Veterans with Oropharyngeal Cancer VAMC C7135R/Martin-Harris 05/01/2011 – 01/31/2014	15% yr 1,2 10% yr 3
Characterization of Certain Peripheral Blood Cell Abnormalities Potentially Aiding the Diagnosis of Mast Cell Activation Syndrome The Mastocytosis Society/Afrin 04/01/2012 – 03/31/2013	2%
Age-Specific and Age-Standardized Breast Cancer Subtype Incidence and Disparities NIH/NCI 1R03CA137826-01/Cunningham 04/15/2011 – 06/30/2012	10%

Exploring Cancer Pathways Using Ensembles of Tree-Based Classifiers	1%
American Cancer Society Institutional Research Grant Kistner-Griffin 01/01/2010 – 12/31/2010	
Logic Forest: A Statistical Method for Biomarker Discovery	5%
NIH/NCI 1R03CA137805/Slate 09/15/2008 – 04/30/2009	
Prognostic Markers in Postoperative Acute Kidney Injury	10%
NIH/NIDDK 1R01DK080234/Arthur 06/01/2008 – 03/31/2009	
Diagnosis of Esophageal Carcinomas by Plasma Mass Spectrometry	5%
AstraZeneca IRUSESOM0517/Smolka 01/01/2007 – 12/31/2007	
MALDI-TOF Prognostics of Esophageal Cancer	5%
Department of Defense through Medical University of South Carolina and Hollings Cancer Center GC-3609-04-43766CM/Smolka 10/01/2004 – 09/29/2006	
Geographical Determinants of Prostate Cancer Progression in South Carolina	9%
Department of Defense GC-3532-03-42153CM/Lawson/Slate 11/14/2003 – 11/13/2005	
South Carolina COBRE for Oral Health	50%
NIH/NCRR 5 P20 RR 17696/ London 07/01/2003 – 09/30/2005	
Oral Health Research Infrastructure Development at MUSC	10%
NIH/NCRR 1 U24 DE 016508/London/Slate 10/01/2004 – 09/30/2005	
The South Carolina Traumatic Brain Injury and Surveillance of TBI in the ED	10%
The Centers for Disease Control and Prevention U17/CCU421926/Selassie 09/01/2004 – 07/31/2005	

INVESTIGATOR INITIATED TRIALS

ACTIVE

A Phase IB/II Study of Nivolumab in Combination with ALT-803 in Patients with Pretreated, Advanced, or Metastatic Non-Small Cell Lung Cancer

PI: Wrangle

Study start date: Jan 2016

Role: Lead statistician

ClinicalTrials.gov Identifier: NCT02523469

A Phase II Study of Docetaxel before Medical Castration with Degarelix in Patients with Newly Diagnosed Metastatic Prostatic Adenocarcinoma

PI: Gourdin

Study start date: 01 Mar 2017

Role: Lead statistician

ClinicalTrials.gov Identifier: NCT03069937

Combination of Autophagy Selective Therapeutics (COAST) in Advanced Solid Tumors or Relapsed Prostate Cancer, A Phase I/II Trial

PI: Lilly

Study start date: 03 Mar 2022

Role: Lead statistician

ClinicalTrials.gov Identifier: NCT05036226

A Phase Ib/II Trial of Tarloxotinib and Sotorasib in Patients with KRAS G12C Mutations

PI: Alexander

Study start date: 07 Mar 2022

Role: Lead statistician

ClinicalTrials.gov Identifier: NCT05313009

Exploratory Clinical Trial of Topical Imiquimod 5% Cream as Window-of-Opportunity Monotherapy for Early-stage Oral Cancer

PI: Yoon

Study start date: 28 Apr 2022

Role: Lead statistician

ClinicalTrials.gov Identifier: NCT04883645

T-reg Function Changes: A Novel Immune Regulatory Effect Underlying Benefit of Statin Use on Lethal Prostate Cancer

PI: Marrone

Study start date: 19 Oct 2022

Role: Lead Statistician

ClinicalTrials.gov Identifier: NCT05586360

COMPLETED**A Randomized, Open-label, Phase II, Multi-center Trial of Gemcitabine with Pazopanib of Gemcitabine with Docetaxel in Previously Treated Subjects with Advanced Soft Tissue Sarcoma**

mPI: Kraft/Somaiah

Study start date: 27 Sep 2012

Role: Lead statistician

ClinicalTrials.gov Identifier: NCT01593748

AWARDS and HONORS

- | | |
|------------|---|
| 2017 | Master of Public Health Teaching Excellence Award , Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC |
| 2016 | Nominee, Michael H. Kutner Distinguished Service Award , Department of Biostatistics and Bioinformatics, Rollins School of Public Health, Emory University, Atlanta, GA. Awarded annually to a departmental alumna or alumnus for distinguished service to the profession. |
| 2006, 2016 | Nominee, Health Sciences Foundation Teaching Award , Medical University of South Carolina, Charleston, SC |
| 2013 | Leadership Training, Association of American Medical Colleges Mid-Career Women Faculty Professional Development Seminar , December 14 – 17 2013, Austin, TX |

- 2013 **Teaching Excellence Award**, Department of Public Health Sciences, Medical University of South Carolina, Charleston, SC
- 2010 **Nominee, Teaching Statistics in the Health Sciences Outstanding Teaching Award**, Section on Teaching Statistics in the Health Sciences, American Statistical Association
- 2008 **Travel Award, American Association for Cancer Research**, Cancer Biostatistics Workshop, July 13 – 19 2008, Sonoma, CA
- 2004 **Travel Award, National Cancer Institute Workshop for Junior Researchers**, March 27, 2004, Pittsburgh, PA
- 1996 – 2000 **Graduate Student Fellowship**, Emory University, Atlanta, GA
- 1994 **Excellence in Teaching Mathematics**, Georgia Math/Science Roundtable. One secondary mathematics teacher selected to receive award in each of Georgia’s congressional districts.
- 1993 **Georgia High Tech Month Award**. Received for distinguished achievement in math and science education, Cobb County School District, Georgia. One secondary mathematics teacher selected in each of Georgia’s public-school systems.
- 1984 **Graduated *cum laude***, BA Mathematics, University of Rochester, Rochester, NY

ACADEMIC COMMITTEE ACTIVITIES

University

- Member, Graduate Faculty: 2004 – 2019; 2021 – Present
- College of Medicine Medical Scientist Training Program (MD/PhD) Admissions Committee: 2017 – 2019
- College of Medicine Public Health Curriculum Committee: 2014 – 2017
- College of Graduate Studies Graduate Council: 2015 – 2017
- College of Graduate Studies Graduate Admissions Committee: 2016
- College of Graduate Studies Master of Biomedical Science Program Committee: 2016 – 2017
- College of Graduate Studies Commission on Higher Education Committee: 2017 – 2019
- Faculty Judge, The Perry V. Halushka Student Research Day: 2006, 2007, 2008, 2010, 2011, 2015, 2016, 2017
- Faculty Judge, Translational Research Day: 2016
- Member, National Public Health Week Planning Committee: 2016, 2017

Department

- Chair, Student Advisory Committee
- Chair and Member, Student Admissions Committee
- Chair, Departmental Bylaws and Governance Committee
- Chair and Member, Research Associate Search Committee
- Chair and Member, Basic Written Exam Committee
- Chair and Member, Biostatistics Curriculum and Program Committee
- Chair and Member, Website Development Committee
- Chair and Member, MPH Program Committee
- Chair and Member, MPH Biostatistics Program Committee
- Member, Advanced Qualifying Exam Committee
- Chair and Member, Seminar Committee

Member, Promotion and Tenure Committee
 Chair and Member, Faculty Search Committee
 Member, Student Recruitment Committee
 Member, Biostatistics Training for Basic Biomedical Research Training Grant Steering Committee

MAJOR TEACHING RESPONSIBILITIES

Graduate Studies Education

Methods in Clinical Cancer Research. Biometry 781, 2 credit hours (P/F)

Spring 2019, Department of Public Health Sciences and Hollings Cancer Center, MUSC, Charleston, SC

Required course for Hollings Cancer Center K12 Paul Calabresi trainees and elective course for DPHS PhD students interested in a career in cancer biostatistics. This course introduces the major clinical trial designs in clinical cancer research with an emphasis on early phase trial designs. Current topics in clinical cancer research are also discussed, and the impact on trial design and related issues.

Probability and Statistical Inference. Biometry 785, 3 credit hours (merit grade)

Fall 2016, Summer 2019, Department of Public Health Sciences, MUSC, Charleston, SC

Introductory mathematical statistics for Epidemiology PhD and Biostatistics MPH students, taught at the level of Wackerly, Mendenhall and Scheaffer's *Mathematical Statistics with Applications, 7th Edition*. Course topics include: probability, discrete and continuous random variables, multivariate probability distributions, properties of estimators, interval estimation, and maximum likelihood.

Categorical Data Analysis. Biometry 711, 3 credit hours (merit grade)

Summer 2015, Spring 2018, Fall 2019, Fall 2021, Department of Public Health Sciences, MUSC, Charleston, SC

Taught Biostatistics PhD- and MS-level graduate students at the level of Alan Agresti's *Categorical Data Analysis, Third Edition*. Course topics include: categorical data types; generalized linear models; logistic regression, including logit, probit and complementary log-log models, conditional logistic regression, and exact logit models; multinomial response models; Poisson and negative binomial regression for count data, including zero-inflated models; and generalized estimating equations.

Theoretical Foundations of Statistics. Biometry 707, 3 credit hours (merit grade)

Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2022, Spring 2023, Department of Public Health Sciences, MUSC, Charleston, SC

Taught Biostatistics PhD- and MS-level graduate students at the level of Casella and Berger. Course topics include: principles of data reduction; point estimation; hypothesis testing; interval estimation; and asymptotic theory.

Multivariate Statistics. Biometry 726, 3 credit hours (merit grade)

Fall 2010, Department of Public Health Sciences, MUSC, Charleston, SC

Taught Biostatistics PhD- and MS-level graduate students at the level of Johnson and Wichern. Course topics include multivariate normal distribution and properties; principal components analysis; factor analysis; generalized estimating equations; linear mixed models; methods for high-dimensional data (e.g. supervised principal components, lasso regression, CART and Random Forests). Used R statistical software for course instruction.

Regression Methods in Clinical Research. Biometry 755, 4 credit hours (merit grade)

Spring 2004, Spring 2005, Spring 2006, Spring 2007, Spring 2008, Spring 2009, Department of Public Health Sciences, MUSC, Charleston, SC

Topics include multivariable linear, logistic and hazard regression; geared toward an audience composed of students enrolled in the Master of Science in Clinical Research program; used SAS for course instruction.

Rigor and Reproducibility in Biomedical Research. CGS 727, 1 credit hour (P/F)

Fall 2017, Fall 2018, Fall 2019, College of Graduate Studies, MUSC, Charleston, SC

Taught four 1-hour lectures on statistical considerations for rigorous study design, with emphasis on bench and laboratory science, clinical trials and high-throughput experimental platforms. Students were MD/PhD students and PhD training grant awardees.

Graduate Medical Education**Biostatistics and Epidemiology in Evidence-Based Medicine. 12 contact hours**

Fall 2010, Fall 2011, Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, MUSC, Charleston, SC

Developed eight learning modules for online and lecture-based content delivery for second-year medical students pertaining to principles in biostatistics and epidemiology. Topics include: descriptive measures, graphical data displays, principles of study design, measures of association, bias and confounding, hypothesis testing, screening and diagnostic tests, and survival analysis.

Hematology/Oncology Fellows Journal Club

2007 – 2019, Division of Hematology/Oncology, Department of Medicine, MUSC, Charleston, SC

Fellows work jointly with Hematology/Oncology faculty and biostatisticians in the Hollings Cancer Center Biostatistics Shared Resource to select and present monthly a paper with a pre-specified statistical focus.

Topics have included: sample size and power; phase I, II and III clinical trials; ethics; stopping rules and data and safety monitoring boards; point and interval estimation; hypothesis testing and inferential statistics.

Conferences and Workshops**The Merrill J. Egorin Workshop in Cancer Therapeutics and Drug Development**

October 11 – 14, 2013, Cancer Education Consortium, Leesburg, VA

November 7 – 10, 2014, Society for Translational Oncology, Leesburg, VA

Three-day workshop for oncology fellows and junior faculty on topics related to drug development.

Participated as a faculty member, and gave a talk entitled *Statistical Considerations for Early Phase and Biomarker Studies*.

Biostatistics and Epidemiology in Evidence-Based Medicine

February 2016, March 2017 – University of Zagreb School of Medicine, Zagreb, Croatia

Three-day lecture series for fourth year English language medical students in Zagreb, Croatia. Course topics included: descriptive measures, graphical data displays, principles of study design, measures of association, bias and confounding, hypothesis testing, screening and diagnostic tests, and survival analysis.

AACR/ASCO Methods in Clinical Cancer Research Workshop (Vail course)

July 29th – August 3rd, 2018 – Vail, CO

July 27th – August 2nd, 2019 – Vail, CO

July 25th – 31st, 2020 – Conducted online due to COVID-19 pandemic

July 26th – 30th, 2021 – Conducted online due to COVID-19 pandemic

July 24th – 29th, 2022 – Vail, CO

Faculty member for ‘The Vail Course,’ a week-long workshop on topics in clinical cancer research, including: early phase trial designs; dose selection in oncology trials; combination trials; biomarker studies; and correlative science. Students complete the course with a finished clinical protocol in hand.

SITC Cancer Immuno-Oncology Network (SCION) Workshop

January 23rd – 28th, 2022 – Austin, TX

January 16th – 21st, 2023 – Austin, TX

Faculty member for the Winter School of the Society for Immunotherapy in Cancer (SITC). Clinical research faculty learn the specifics of clinical trial protocol development focused on immunotherapy-based interventions in cancer patients.

MENTORSHIP (pre- and post-doctoral)**PhD and MS students***Primary or Co-Primary Advisor*

- 2017 – 2021 **Jonathan Beal**, PhD Biostatistics
“Bayesian hierarchical profile regression for discrete data”
- 2015 – 2019 **Cameron Miller**, PhD Biostatistics
“Modeling spatially-referenced MALDI imaging data using a process convolution approach”
- 2007 – 2010 **Bethany Wolf**, PhD Biostatistics
“Logic Forest: A statistical method for biomarker discovery”
- 2005 – 2007 **Yuliya Karpievitch**, PhD Bioinformatics
“Computational tools for MS-based proteomics”

Committee Member

- 2015 – 2016 **Wei Wei**, PhD Biostatistics
“Likelihood-based designs for phase II clinical trials with time-to-event endpoints”
- 2015 – 2018 **Nate O’Connell**, PhD Biostatistics
“Toxicity score elicitation for phase I clinical trials”
- 2014 – 2018 **James Small**, PhD Epidemiology
“The association between non-melanoma skin cancer and increased risk for other cancers”
- 2015 – 2016 **Jordan Hazelwood**, PhD Health and Rehabilitation Science
“Identification of swallowing tasks to optimize the detection of physiologic impairment during MBSS”
- 2014 – 2015 **Chawarat Rotejanaprasert**, PhD Biostatistics
“Bayesian modeling of variable selection and spatial clustering”
- 2012 – 2014 **Christian Spainhour**, PhD Bioinformatics
“Methods for modeling and assessment of MALDI mass spectra”
- 2012 – 2014 **Kendrea Focht**, PhD Health and Rehabilitation Science
“Modifications in oropharyngeal swallowing physiology and aspiration risk in aging adults”
- 2012 – 2014 **Katlyn McGrattan**, PhD Health and Rehabilitation Science
“Effectiveness of commercially available, laser-cut slow flow nipples on the improvement of preterm feeding performance”
- 2012 – 2013 **Joseph Alge**, MD/PhD Biological Sciences
“Prognostic biomarkers of acute kidney injury”
- 2010 - 2012 **Anthony Parker**, PhD Biostatistics
“New Statistical Methods for the Analysis of Periodontal Data”
- 2011 – 2012 **Margaret Broadwater**, PhD Bioinformatics
“Computational methods for the differential profiling of triacylglycerols using RP-HPLC/APCI-MS”
- 2007 – 2008 **Kellie Sims**, PhD Bioinformatics
“Sphingolipids are altered in aging yeast cultures under caloric restriction”
- 2007 - 2008 **Lee Lineberry**, PhD Epidemiology
“A population-based study of repetitive traumatic brain injury and mortality”
- 2006 – 2007 **Lee Lineberry**, MS Epidemiology
“Traumatic spinal cord injury in South Carolina, 1981 – 2004”

Master of Public Health students***Primary or Co-Primary Advisor***

2016 **Kaowao Hasanne**, MPH Biostatistics
 “MBSImp tool in the prediction of dysphagia severity”

Master of Science in Clinical Research (MSCR) students***Committee Member***

2012 – 2013 **Shalini Kanukala**
 “Alpha-1 antitrypsin deficiency and periodontitis: A pilot study”

2009 – 2010 **Mark Scheurer**
 “Defining normative values and institutional predictors of variance in outcome measures after cardiac surgery in infants”

2009 – 2010 **Anuradha Murali**
 “Pancreatic cancer versus pancreatitis: identification of clinical biomarkers”

2008 – 2009 **Mark Alanis**
 “Obesity-related inflammation at the maternal-fetal interface”

2008 – 2009 **Ramsay Camp**
 “The Role of Epithelial to Mesenchymal Transition in Colorectal Cancer Therapeutic Resistance”

2008 – 2009 **Rodney Daniel**
 “Preliminary, randomized, and controlled study of FTY720 in rheumatoid arthritis”

2008 – 2009 **Aaron Embry**
 “Racial disparities of post stroke physical therapy in South Carolina”

2008 – 2009 **Ashley Gochner**
 “Interocular axial length difference as a predictor of postoperative visual acuity following pediatric cataract extraction with primary intraocular lens implantation”

2008 – 2009 **Jonathan Lucas**
 “A role for human enhancer of filamentation1 in vascular endothelial growth factor mediated head and neck squamous cell carcinoma metastatic behavior”

2008 – 2009 **Mohammed Mataria**
 “Urinary exosomal albumin-valid predictor for development of diabetic nephropathy”

2006 – 2008 **Monika Gupta**
 “Biomarkers for prediction of postoperative acute kidney injury in patients with underlying chronic kidney disease”

2006 – 2007 **Ivar Frithsen**
 “MUSC CA-MRSA study”

2006 – 2007 **Michele Ravenel**
 “Alcohol screening and a brief intervention in heavy drinkers newly diagnosed with oropharyngeal cancer”

2005 – 2006 **Denise Fyffe**
 “Feasibility of PST improving adherence among older black breast cancer patients”

2005 – 2006 **Camelia Marculescu**
 “Trimethoprim-sulfamethoxazole-rifampin for prosthetic joint infections”

Training grant mentorship

2019 – Present	K08, Evan Graboyes , Department of Otolaryngology, MUSC “Improving the Timeliness and Equity of Adjuvant Therapy Following Surgery for Head and Neck Cancer”
2019 – 2019	K01, Tracy Smith , Department of Psychiatry, MUSC “Impact of E-Cigarette Characteristics on Reinforcement and Tobacco Use Patterns Among Current Smokers”
2017 – 2019	K07, Alana Rojewski , Department of Public Health Sciences, MUSC “Tobacco Treatment in the Context of Lung Cancer Screening”
2013 – 2017	K24, Bonnie Martin-Harris , Department of Otolaryngology, MUSC “Research and Mentoring on Swallowing Impairment and Respiratory-Swallow coordination”
2013 – 2016	F31, Krystal Dole , College of Graduate Studies, MUSC “Role of EZH2 in Extracellular HSP90 Mediated Prostate Cancer Tumorigenesis”
2011 – 2016	K07, Kristin Wallace , Department of Public Health Sciences, MUSC “Race, Pathomolecular Signature and Colorectal Cancer Survival”
2012 – 2015	F30, Xiaoyi Zhang , College of Dental Medicine, MUSC “The Role of Mitogen-Activated Protein Kinase Phosphatase-1 in Tumor Progression”
2010 – 2015	K08, Ernest Ramsay Camp , Department of Medicine, MUSC “Innovative Delivery Strategy for CASM Gene Therapy in Pancreatic Cancer”

MAJOR RESEARCH INTERESTS

Statistical methods in oncology research and applications

Early phase oncology clinical trial design and conduct

Statistical methods in proteomics

MALDI-imaging statistics

Biomarker discovery

Spatial statistics and epidemiology

Oral health research

Statistics education

LECTURES and PRESENTATIONS (* indicates student or mentee)***Invited***

42. **Hill EG.** *An Introduction to Early-Phase Trial Designs and Considerations.* SITC Cancer Immuno-Oncology Network (SCION) Workshop. January 2023. Austin, TX.
41. **Hill EG.** *An introduction to phase 2 trial designs and considerations.* Design and Management of Clinical Trials Course, September 2022. Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL.
40. **Hill EG.** *An introduction to dose-finding trial designs and considerations.* Design and Management of Clinical Trials Course, September 2022. Sylvester Comprehensive Cancer Center, University of Miami, Miami, FL.
39. **Hill EG.** *An Introduction to Early-Phase Trial Designs and Considerations.* SITC Cancer Immuno-Oncology Network (SCION) Workshop. January 2022. Conducted remotely due to COVID-19 pandemic.
38. **Hill EG.** *Grant Writing Workshop.* Society for Immunotherapy of Cancer (SITC) Annual Meeting, November 2021. Austin, TX. Conducted remotely due to COVID-19 pandemic.
37. Beall J*, Li H, Neelon B, **Hill EG**, Martin-Harris B and Graboyes E. *Bayesian hierarchical profile regression for binary data.* St Jude Children’s Hospital Future Fellows Research Conference, August 2021. Memphis, TN.
36. Beall J*, Li H, Neelon B, **Hill EG**, Martin-Harris B, Graboyes E. *Bayesian hierarchical profile regression for discrete data.* Swallowing Cross-Systems Collaborative, November 2020. Northwestern University, Evanston, IL.

35. **Hill EG.** *The Role of Statistics in Clinical Research.* Society for Clinical Research Associates, Palmetto Area Fall Chapter Meeting, November 2019. Medical University of South Carolina, Charleston, SC.
34. **Hill EG.** *Conquer Cancer Foundation Scientific and Career Development Retreat Panel Discussion.* American Society of Clinical Oncology, October 2019. Alexandria, VA.
33. Beall J*, Martin-Harris B and **Hill EG.** *Estimating severity from video-fluoroscopic metrics: What's mild, moderate or severe?* Charleston Swallowing Conference, July 2018. Northwestern University, Evanston, IL.
32. **Hill EG.** *Developing Public Health Leaders: Where Do We Go From Here?* Keynote Panel Discussion. May 2017. South Carolina Public Health Association 2017 Annual Conference. North Charleston, SC
31. **Hill EG.** *Biostatistics and Epidemiology in Evidence-Based Medicine.* March 2017. University of Zagreb School of Medicine, Zagreb, Croatia
30. **Hill EG.** *An overview of Complex Sample Survey Design and Data Analysis.* Hollings Cancer Center Cancer Control Program Journal Club, March 2016. Medical University of South Carolina, Charleston, SC
29. **Hill EG.** *Rigor and Transparency: What's all the fuss about reproducible research?* The University of Iowa College of Dentistry and Dental Clinics, Noon Seminar Series, October 2016, Iowa City, IA
28. **Hill EG,** Armeson KA, Slate EH and Martin-Harris B. *A Bayesian multiscale ordinal latent class model for dysphagia severity.* The Joint Statistical Meetings of the American Statistical Association, August 2016. Chicago, IL
27. **Hill EG.** *Case study in estimating adjusted risk ratios: A biostatistics tutorial in generalized linear models.* Hollings Cancer Center Cancer Control Program Journal Club, May 2016. Medical University of South Carolina, Charleston, SC
26. **Hill EG.** *Recent issues in rigor and transparency.* Task Force on Design and Analysis in Oral Health Research semi-annual meeting, May 2016. Newark, NJ
25. **Hill EG.** *Recent issues in rigor and transparency: What's all the fuss about reproducible research?* Apple Tree Seminar Series, 13 April 2016. Medical University of South Carolina, Charleston, SC
24. **Hill EG** and Slate EH. *Biomarker discovery with highly left-censored multiplex immunoassay data.* The Joint Statistical Meetings of the American Statistical Association, August 2015. Seattle, WA
23. Martin-Harris B and **Hill EG.** *MBSImP™: Standardized measurement and interpretation of swallowing physiology.* Task Force on Design and Analysis in Oral Health Research semi-annual meeting, May 2015. Newark, NJ
22. **Hill EG** and Martin-Harris B. *Statistical approaches for assessing dysphagia severity and outcomes.* Task Force on Design and Analysis in Oral Health Research semi-annual meeting, May 2015. Newark, NJ
21. **Hill EG.** *Receiver operating characteristic (ROC) curves.* Hollings Cancer Center Cancer Control Program Journal Club, January 2015. Medical University of South Carolina, Charleston, SC
20. **Hill EG** and Hill RM. *Statistically enhanced performance in salary cap fantasy football.* South Carolina Statistics Consortium, November 2014. Clemson, SC
19. **Hill EG.** *Statistical considerations for early phase and biomarker studies.* The Merrill J. Egorin Workshop in Cancer Therapeutics and Drug Development, November 2014. Society for Translational Oncology, Leesburg, VA
18. Slate EH, Geng J, Wolf BA and **Hill EG.** *Discovery among binary biomarkers.* The Joint Statistical Meetings of the American Statistical Association, August 2014. Boston, MA
17. **Hill EG** and Slate EH. *Analysis of left-censored multiplex immunoassay data: A unified approach.* Medical University of South Carolina Department of Public Health Sciences Seminar Series, December 2013. Charleston, SC
16. **Hill EG.** *Statistical considerations for early phase and biomarker studies.* The Merrill J. Egorin Workshop in Cancer Therapeutics and Drug Development, October 2013. Cancer Education Consortium, Leesburg, VA
15. **Hill EG** and Slate EH. *Analysis of left-censored multiplex immunoassay data: A unified approach.* Florida State University Department of Statistics Seminar Series, September 2013. Tallahassee, FL
14. **Hill EG** and Slate EH. *Examiner calibration in periodontal studies: Non-parametric Bayesian analysis of clustering among sites.* Task Force on Design and Analysis in Oral Health Research semi-annual meeting, May 2012. Newark, NJ

13. **Hill EG** and Slate EH. *A semi-parametric Bayesian model of inter- and intra-examiner agreement for periodontal probing depth*. Medical University of South Carolina Department of Public Health Sciences Seminar Series, September 2011. Charleston, SC
12. Kistner-Griffin E, Wolf B, **Hill EG**, Slate EH and Neumann C. *Exploring breast cancer epistasis in the PRDX genes*. American Society of Human Genetics, November 2010. Washington, DC
11. Slate E, Wolf B*, **Hill EG** and Kistner-Griffin E. *Logic Forest: A flexible ensemble model for biomarker discovery*. Plenary presentation at the 25th Anniversary Conference, Department of Statistics, University of South Carolina. October 2010, Columbia, SC
10. Schwacke JH, **Hill EG**, Comte-Walters S, Krug EL and Schey KL. *Bayesian modeling and tools for relative expression quantitation using iTRAQ*. 11th NHLBI Proteomics Investigators Meeting, April 2008. Medical University of South Carolina, Charleston, SC
9. Slate EH and **Hill EG**. *A semiparametric Bayesian model for examiner agreement in periodontal research*. 2007 Nonparametric Conference, Current and Future Trends in Nonparametrics, October 2007. University of South Carolina, Columbia, SC
8. **Hill EG** and Slate EH. *Bayesian hierarchical rater agreement models for cluster-correlated interval censored measures with application to periodontal probing depth*. Annual Meeting of the Southern Regional Council on Statistics, June 2007. Richmond, VA
7. **Hill EG** and Slate EH. *A semi-parametric Bayesian model for inter-rater agreement of probing pocket depth*. The Joint Statistical Meetings of the American Statistical Association, August 2006. Seattle, WA
6. **Hill EG**, Slate EH, Wiegand RE, Grossi SG and Salinas CF. *Study design for calibration of clinical examiners measuring periodontal parameters*. Task Force on Design and Analysis in Oral Health Research semi-annual meeting, November 2005. Newark, NJ
5. **Hill EG** and Slate EH. *Latent trait and latent class inter-rater agreement models with applications in oral health*. Annual Meeting of the South Carolina Chapter of the American Statistical Association, April 2005. University of South Carolina, Columbia, SC
4. **Hill EG** and Slate EH. *Assessing peptide assignment from tandem mass spectra using Dirichlet process mixture models*. 40th Anniversary Celebration of Biostatistics at Emory University, October 2004. Emory University, Atlanta, GA
3. **Hill EG** and Barker L. *Small area estimation of oral health indicators*. Oral Health Grantee Workshop, March 2004. Centers for Disease Control and Prevention, Atlanta, GA
2. **Hill EG** and Song R. *Evaluating the performance of an integrated HIV/AIDS surveillance system*. Division of HIV/AIDS Prevention Turning Research into Prevention seminar series, December 2002. Centers for Disease Control and Prevention, Atlanta, GA
1. **Hill EG** and Waller LA. *Saddlepoint approximations to the null distributions of Moran's I-type measures of spatial autocorrelation*. The Joint Statistical Meetings of the American Statistical Association, August 2001. Atlanta, GA

Contributed

51. Owen G, Duan R*, Mickel A, **Hill EG**, McDonald D, Rapchak A, Maynard M, Peng J, Edredge-Hindy H and Cooper SL. *Predicting the Benefit of Hybrid Intracavitary + Interstitial Needle Applicators in Patients with Locally Advanced Cervical Cancer*. American Brachytherapy Society Annual Meeting, June 2022. Denver, CO
50. Hess BT, Cerchietti L, Hendrickson L, **Hill EG**, Giri A, Salzer S, Hogan S, Finch L, Klingenberg R, Hu F and Wagner-Johnston ND. *Phase 1 Trial of Oral Azacitidine (CC-486) Plus Salvage Chemotherapy in Relapsed/Refractory Diffuse Large B Cell Lymphoma*. American Society of Hematology Annual Meeting, December 2021. Atlanta, GA
49. Blanding D, Bakos JK, Rangel CA, Pasyar S, **Hill EG**, Davis J, Hess BT, Baratam P and Greenwell IB. *Response rates in acute myeloid leukemia patients treated with attenuated durations of venetoclax in combination with hypomethylating agents*. American Society for Clinical Oncology Annual Meeting, June 2021. Virtual meeting due to COVID-19 pandemic.
48. Bakos JK, Blanding D, Rangel CA, Pasyar S, **Hill EG**, Davis J, Greenwell IB, Baratam P and Hess BT. *Outcomes in AML patients receiving HMA+venetoclax combination with prior HMA exposure*. American Society for Clinical Oncology Annual Meeting, June 2021. Virtual meeting due to COVID-19 pandemic.

47. Pauff J, Papadopoulos K, Janku F, Turk AA, Goyal L, Schroff R, Shimizu T, Ikeda M, Azad NS, Cleary JM, Peters MLB, Borad MJ, Jaeckle KA, Kizilbash SH, Tupper B, Furin CE, Hanley M, **Hill EG**, Xu X and Harding JJ. *A phase 1 study of LY3410738, a first-in-class covalent inhibitor of mutant IDH1 in cholangiocarcinoma and other advanced solid tumors*. American Society for Clinical Oncology Gastrointestinal Cancers Symposium, January 2021. Virtual meeting due to COVID-19 pandemic.
46. Stein E, Gilmour R, Szpurka A, **Hill E**, Hyman D, Ward R and DiNardo CD. *A phase 1 study of LY3410738, a selective oral inhibitor of mutant IDH1 and IDH2 in advanced myeloid malignancies (Trial in Progress)*. American Society of Hematology Annual Meeting, December 2020. Virtual meeting due to COVID-19 pandemic.
45. Yu D, Liu J, Galvao VR and **Hill E**. *Risk assessment with near-zero informed Bayesian (NZIB) for idiosyncratic adverse drug reaction (LADR) events: uncertain and rare AEs beyond DLTs*. Women in Statistics and Data Science, September, October 2020. Virtual meeting due to COVID-19 pandemic.
44. Beall J*, **Hill EG**, Armeson K, Garand K, Davidson K and Martin-Harris B. *Classification of physiologic swallowing impairment severity: A latent class analysis of modified barium swallow impairment profile scores*. Dysphagia Research Society Annual Meeting, June 2020. Virtual meeting due to COVID-19 pandemic.
43. Graboyes EM*, Maurer SN, Park Y, **Hill EG**, Marsh C, McElligott JT, Day TA, Hornig JD, Lentsch EJ, Neskey DJ, Skoner JM and Sterba KR. *Association of a novel telemedicine-based cognitive behavioral therapy intervention with improved body image disturbance in head and neck cancer patients: A pilot study*. American Psychosocial Oncology Society Annual Meeting. March 2020. Virtual meeting due to COVID-19 pandemic.
42. Beall J*, Li H and **Hill EG**. *Bayesian latent pattern models*. Perry V. Halushka Student Research Day, November 2019. Medical University of South Carolina, Charleston, SC
41. Garand K, Beall J*, **Hill EG**, Davidson K, Blair J and Martin-Harris B. *Aging effects on oropharyngeal swallowing observed during videofluoroscopy: a large cross-sectional study*. American Speech-Language-Hearing Association Annual Meeting, November 2019. Orlando, FL.
40. Graboyes EM*, Day T, **Hill EG**, Marsh C, Maurer S and Sterba K. *Body image disturbance in head and neck cancer: a prospective cohort study*. American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting. September 2019. New Orleans, LA.
39. Somaiah N, Van Tine BA, **Hill EG**, Milhem MM, Schuetz S, Meyer CF, Reuben DY, Elias AD, Read WL, Chawla SP, Wahlquist AE, Garrett-Mayer E and Kraft A. *Phase II, multi-center trial of gemcitabine (G) with pazopanib (P) or gemcitabine with docetaxel (T) in advanced soft tissue sarcoma (STS)*. ASCO Annual Meeting, May 31 – June 4, 2019. Chicago, IL
38. Beall J*, **Hill EG** and Li H. *Latent pattern models with application to dysphagia severity*. South Carolina American Statistical Association Spring Meeting, April 2019. University of South Carolina, Columbia, SC.
37. Beall J*, **Hill EG** and Li H. *Latent pattern models with application to dysphagia severity*. Department of Public Health Sciences Brown Bag Seminar Series. April 2019. Medical University of South Carolina, Charleston, SC
36. Miller C*, Drake R and **Hill EG**. *Modeling MALDI Imaging Mass Spectrometry Imaging Data Using a Process Convolution Approach* (First place award winner). IMSS II & OurCon VI Joint Meeting, November 2018. Charleston, SC
35. Graboyes EM*, **Hill EG**, Marsh CH, Maurer S, Day TA and Sterba KR. *Prospective Cohort Study of Body Image Disturbance in Surgically-Managed Head and Neck Cancer Patients*. American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting. October 2018. Atlanta, GA.
34. **Hill EG**, Garand K and Martin-Harris B. *Dysphagia severity with modified barium swallow impairment profile composite oral and pharyngeal scores*. ASHA Annual Convention, November 2018. Boston, MA
33. Miller C*, Neely B, Drake R and Hill EG. *A two-part process convolution model to analyze semicontinuous spatially referenced MALDI imaging data*. 17th Annual Hollings Cancer Center Research Retreat, October 2017. Charleston, SC.
32. **Hill EG**, Armeson K and Martin-Harris B. *A Bayesian ordinal latent class model for dysphagia severity*. Biostat 2017, the 23rd International Scientific Symposium on Biometrics, June 2017. Šibenik, Croatia

31. Miller C*, Drake R, Neeley B and **Hill EG**. *A two-part process convolution model to analyze semicontinuous, spatially referenced MALDI imaging data*. Biostat 2017, the 23rd International Scientific Symposium on Biometrics, June 2017. Šibenik, Croatia
30. Miller C*, Drake R, Neeley B and **Hill EG**. *A two-part zero-inflated process convolution model to analyze mass spectrometry imaging data*. Perry V. Halushka Student Research Day, November 2016. Medical University of South Carolina, Charleston, SC
29. **Hill EG**. *Recent issues in rigor and transparency*. Department of Public Health Sciences Brown Bag Seminar Series, May 2016. Medical University of South Carolina, Charleston, SC
28. **Hill EG**, Martin-Harris B, Armeson KA, Garand K, Hazelwood J and Blair J. *Dysphagia severity: Assessing the predictive capacity of MBSImP component scores*. Dysphagia Research Society Annual Meeting, February 2016. Tucson, AZ
27. **Hill EG** and Hill RM. *Statistically enhanced performance in salary cap fantasy football*. The Joint Statistical Meetings of the American Statistical Association, August 2014. Boston, MA
26. **Hill EG** and Slate EH. *A Bayesian hierarchical model for biomarker discovery with highly left-censored multiplex immunoassay data*. International Biometric Conference, July 2014. Florence, Italy
25. **Hill EG** and Slate EH. *Analysis of left-censored multiplex immunoassay data: A unified approach*. The Joint Statistical Meetings of the American Statistical Association, August 2013. Montreal, Canada
24. Wolf B*, Slate EH and **Hill EG**. *Logic forest: An ensemble classifier for discovering logical combinations of binary markers*. Spring meeting of the Eastern North American Region of the International Biometric Society, March 2013. New Orleans, LA
23. Wolf B*, **Hill EG** and Slate EH. *Seeing the forest for the trees: Graphical methods for Logic Forest*. The Joint Statistical Meetings of the American Statistical Association, August 2012. San Diego, CA
22. Wolf B*, **Hill EG**, Slate EH, Neumann C and Kistner-Griffin E. *Exploring breast cancer epistasis in the PRDX genes*. Hollings Cancer Center Annual Retreat, November 2010. Medical University of South Carolina, Charleston, SC
21. Wolf B*, **Hill EG**, Slate EH, Neumann C and Kistner-Griffin E. *Exploring breast cancer epistasis in the PRDX genes*. Hollings Cancer Center Breast Cancer Retreat, October 2010. Medical University of South Carolina, Charleston, SC
20. Slate EH and **Hill EG**. *A semiparametric Bayesian model for examiner agreement in periodontal research*. 4th International Meeting on Methodologic Issues in Oral health Research, April 2010. Istanbul, Turkey
19. Onicescu G*, **Hill EG**, Lawson AB, Korte J and Gillespie B. *Joint disease mapping of cervical and oropharyngeal cancer in South Carolina*. Geomed, November 2009. Charleston, SC
18. Wolf B*, Slate EH and **Hill EG**. *Identification of disease biomarkers using Logic Forest*. Department of Medicine Research Day, December 2009. Medical University of South Carolina, Charleston, SC
17. Wolf B*, Slate EH and **Hill EG**. *Graphical methods for Logic Forest*. Perry V. Halushka Student Research Day, November 2009. Medical University of South Carolina, Charleston, SC
16. Wolf B*, Slate EH and Hill EG. *Identification of disease biomarkers using Logic Forest*. Joint Statistical Meetings of the American Statistical Association, August 2009. Washington, DC
15. Schwacke JH, Millar TP, Hammond CE, **Hill EG**, Saha A, Hoffman BJ and Smolka AJ. *Discrimination of normal and esophageal cancer plasma proteomes by MALDI-TOF mass spectrometry*. Digestive Disease Week, June 2009. Chicago, IL
14. Onicescu G*, **Hill EG**, Lawson AB, Korte J and Gillespie B. *Joint disease mapping of cervical and oropharyngeal cancer rates in South Carolina*. 7th Annual Head and Neck Multidisciplinary Research Workshop, April 2009. Medical University of South Carolina, Charleston, SC
13. Wolf B*, Slate EH and **Hill EG**. *An evaluation of logic forest for identification of disease biomarkers: a latent variable setting*. Spring meeting of the Eastern North American Region of the International Biometric Society, March 2009. San Antonio, TX

12. Onicescu G, **Hill EG**, Carpenter M, Ford ME and Alberg A. *Racial and ethnic differences in the age of smoking initiation*. Hollings Cancer Center Spring Symposium, March 2009. Medical University of South Carolina, Charleston, SC
11. Wolf B*, Slate EH and **Hill EG**. *Logic Forest: A statistical method for biomarker discovery*. Perry V. Halushka Student Research Day, November 2008. Medical University of South Carolina, Charleston, SC
10. Wolf B*, Slate EH and **Hill EG**. *Logic Forest: A statistical method for biomarker discovery*. Department of Biostatistics, Bioinformatics and Epidemiology 40th Anniversary Celebration, November 2008. Medical University of South Carolina, Charleston, SC
9. **Hill EG**, Comte-Walters S, Schwacke JH, Slate EH, Knapp RG, Krug EL, Knapp DR and Schey KL. *iTRAQ data analysis using analysis of variance*. The 85th General Session of the International Association of Dental Research, March 2007. New Orleans, LA
8. **Hill EG**, Comte-Walters S, Schwacke JH, Slate EH, Knapp RG, Krug EL, Knapp DR and Schey KL. *iTRAQ data analysis using analysis of variance*. US HUPO 3rd Annual Conference, March 2007. Seattle, WA
7. Wiegand RE, Slate EH and **Hill EG**. *Censoring point in logistic ELISA standard curves*. The Joint Statistical Meetings of the American Statistical Association, August 2006. Seattle, WA
6. **Hill EG**, Slate EH, Wiegand RE, Grossi SG and Salinas DF. *Designing calibration studies for clustered periodontal measures*. 1st Biennial National IDeA Symposium of Biomedical Research Excellence, July 2006. Washington, DC
5. **Hill EG**, Slate EH, Wiegand RE, Grossi SG and Salinas CF. *Designing calibration studies for clustered periodontal measures*. 35th Annual Meeting of the American Association of Dental Research, March 2006. Orlando, FL
4. **Hill EG** and Slate EH. *Latent trait and latent class inter-examiner agreement models with applications in oral health studies*. The Joint Statistical Meetings of the American Statistical Association, August 2005. Minneapolis, MN
3. **Hill EG** and Slate EH. *Latent trait rater agreement models with applications in oral health*. Spring meeting of the Eastern North American Region of the International Biometric Society, March 2004. Pittsburgh, PA
2. **Hill EG** and Waller LA. *Saddlepoint approximations to the null distributions of Moran's I-type measures of spatial autocorrelation*. Spring meeting of the Eastern North American Region of the International Biometric Society, March 2001. Charlotte, NC
1. **Hill EG**, Waller LA and Gotway CA. *Spatial correlation induced by missing covariates in hierarchical models of a binary spatial process*. The Joint Statistical Meetings of the American Statistical Association, August 1999. Baltimore, MD

PUBLICATIONS (* indicates student or mentee)

Peer Reviewed Journal Articles (published or accepted for publication in final form)

104. Blaschke C*, **Hill E**, Mehta A, Angel P, Laronga C and Drake R. Integrating age, BMI, and serum N-glycans detected by MALDI mass spectrometry to classify suspicious mammogram findings as benign lesions or breast cancer. *Scientific Reports*. 2022. In press.
103. Reisenberg B, Hunt E, Tennant M, Hurst K, Andrews A, Leddy L, Neskey D, **Hill E**, Rivera GR, Paulos C, Gao P and Thaxton J. Stress-mediated attenuation of translation undermines T-cell activity in cancer. *Cancer Research*. 2022 Dec 2;82(23):4386-4399. PMID: 36126165
102. Hazelwood RJ, Armeson KE, **Hill EG**, Bonilha HS, Martin-Harris B. Relating Physiologic Swallowing Impairment, Functional Swallowing Ability, and Swallow-Specific Quality of Life. *Dysphagia*. 2022 Oct 13. doi: 10.1007/s00455-022-10532-3. Epub ahead of print. PMID: 36229718.
101. Garand KL*, Beall J, **Hill EG**, Davidson K, Blair J, Pearson W Jr, Martin-Harris B. Effects of Presbyphagia on Oropharyngeal Swallowing Observed during Modified Barium Swallow Studies. *J Nutr Health Aging*. 2022;26(11):973-980. doi: 10.1007/s12603-022-1854-0. PMID: 36437764.

100. Bray AW, Duan R*, Malalur P, Drusbosky LM, Gourdin TS, **Hill EG** and Lilly MB. Elevated serum CEA is associated with liver metastasis and distinctive circulating tumor DNA alterations in patients with castration-resistant prostate cancer. *The Prostate*. 2022 Sep;82(13):1264-1272. PMID: PMC9388585
99. Rubinstein MP, Williams C, Mart C, Beall J*, MacPherson L, Azar J, Swiderska-Syn Marzena, Manca P, Gibney BC, Robinson MD, Krieg C, **Hill EG**, Taha SA, Rock AD, Lee JH, Soon-Shiong P and Wrangle J. Phase I trial characterizing the pharmacokinetic profile of N-803, a chimeric IL-15 superagonist, in healthy volunteers. *Journal of Immunology*. 2022 Mar 15;208(6):1362-1370. doi: 10.4049/jimmunol.2100066. PMID: 35228263
98. Liu L, Dai X, Yin S, Liu P, **Hill EG**, Wei W and Gan W. DNA-PK promotes activation of the survival kinase AKT in response to DNA damage through an mTORC2-ECT2 pathway. *Science Signaling*. 2022 Jan 4;15(715)eabh2290. doi: 10.1126/scisignal.abh2290. PMID: PMC8992387
97. Wallace K, Nahhas G, Bookhout C, Thaxton J, Lewin D, Nikolaishvili-Feinberg N, Cohen S, Brazeal JG, **Hill EG**, Wu J, Baron J and Alekseyenko A. Immune responses vary in preinvasive colorectal lesions by tumor location and histology. *Cancer Prevention Research*. 2021 Sep;14(9):885-892. doi: 10.1158/1940-6207.CAPR-20-0592. PMID: PMC8811707
96. Wallace K, Nahhas GJ, Bookhout C, Lewin DN, Paulos CM, Nikolaishvili-Feinberg N, Cohen SM, Guglietta S, Bakhtiari AS, Camp ER, **Hill EG**, Baron JA, Wu J and Alekseyenko A (2021). Preinvasive colorectal lesions of African Americans display an immunosuppressive signature compared to Caucasian Americans. *Frontiers in Oncology*. 2021 Apr 27;11:659036. doi: 10.3389/fonc.2021.659036. PMID: PMC8112239.
95. Somaiah N, Van Tine BA, Wahlquist AE, Milhem MM, **Hill EG**, Garrett-Mayer E, Armeson K, Schuetz S, Meyer CF, Reuben DY, Elias AD, Read WL, Chawla SP and Kraft AS (2021). A randomized, open-label, phase II, multi-center trial of gemcitabine with pazopanib or gemcitabine with docetaxel in advanced soft tissue sarcoma. *Cancer*. doi: 10.1002/cncr.33216. PMID: 33231866
94. Miller C*, Lawson A, Chung D, Gebregziabher M, Yeh E, Drake R and **Hill EG** (2020). Automating a process convolution approach to account for spatial information in imaging mass spectrometry data. *Spatial Statistics*. 2020 Apr;36:100422. doi: 10.1016/j.spasta.2020.100422. Epub 2020 Feb 19. PMID: PMC7172386
93. Beall J*, **Hill EG**, Armeson K, Garand KL, Davidson K and Martin-Harris B (2020). Classification of Physiologic Swallowing Impairment Severity: A Latent Class Analysis of Modified Barium Swallow Impairment Profile Scores. *American Journal of Speech-Language Pathology*. 29(2S):1001-1011. doi: 10.1044/2020_AJSLP-19-00080. PMID: PMC7844335
92. Janakiraman H, Zhu Y, Becker SA, Wang C, Dross A, Curl E, Lewin D, Hoffman BJ, Warren GW, **Hill EG**, Timmers C, Findlay VJ and Camp ER (2020). Modeling rectal cancer to advance neoadjuvant precision therapy. *International Journal of Cancer*. 147(5): 1405-1418. doi: 10.1002/ijc.32876. PMID: 31989583
91. Graboyes EM*, **Hill EG**, Marsh CH, Maurer S, Day TA, Hornig JD, Lentsch EJ, Neskey DM, Skoner J and Sterba KR (2020). Temporal trajectory of body image disturbance in surgically-treated head and neck cancer patients. *Otolaryngology – Head and Neck Surgery*. 162(3): 304-312. doi: 10.1177/0194599819898861. PMID: PMC7054175
90. Williams CB, Phelps-Polirer K, Dingle IP, Williams CJ, Rhett MJ, Eblen ST, Armeson K, **Hill EG** and Yeh ES (2020). HUNK phosphorylates EGFR to regulate breast cancer metastasis. *Oncogene*. 39(5): 1112-1124. doi: 10.1038/s41388-019-1046-5. PMID: PMC6989402
89. McGrattan KE*, McGhee JC, McKelvey KL, Clemmens CS, **Hill EG**, DeToma A, Hill JG, Siimmons CE and Martin-Harris B (2020). Capturing infant swallow impairment on videofluoroscopy: timing matters. *Pediatric Radiology*. 50(2):199-206. doi: 10.1007/s00247-019-04527-w. PMID: PMC7685400
88. Garand KL*, **Hill EG**, Armeson K, Martin-Harris B (2020). Aging effects on Eating Assessment Tool-10 (EAT-10) total scores in healthy, community-dwelling adults. *Canadian Journal of Speech-Language Pathology and Audiology*. 44(1): 1-8. PMID: PMC7946383
87. Small J*, Wallace K, **Hill EG**, Thiers BH, Leach BC and Alberg AJ (2019). A cohort study of personal and family history of skin cancer in relation to future risk of non-cutaneous malignancies. *Cancer Causes & Control*. 30:1213-1221. doi: 10.1007/s10552-019-01225-8. PMID: 31494748

-
86. Garcia D, Nasarre P, Bonilla IV, Hilliard E, Peterson YK, Spruill L, Broome AM, **Hill EG**, Yustein JT, Mehrotra S and Klauber-DeMore N (2019). Development of a novel humanized monoclonal antibody to secreted frizzled-related protein-2 that inhibits triple-negative breast cancer and angiosarcoma growth in vivo. *Annals of Surgical Oncology*. 26(13):4782-4790. doi: 10.1245/s10434-019-07800-2. PMID: 31515721
85. Chakraborty P, Baena SG, Thyagarajan K, Chatterjee S, Al-Khami A, Selvam SP, Nguyen H, Kang I, Wyatt MW, Baliga U, Hedley Z, Ngang RN, Guo B, Beeson GC, Husain S, Paulos CM, Beeson CC, Zilliox MJ, **Hill EG**, Mehrotra M, Yu XZ, Ogretmen B and Mehrotra S (2019). Pro-survival lipid sphingosine-1-phosphate metabolically programs T cell to limit its anti-tumor activity. *Cell Reports*. 28(7):1879-1893.e7. doi: 10.1016/j.celrep.2019.07.044. PMCID: PMC6889821
84. Herrera H, Dilday T, Uber A, Scott D, Zambrano J, Wang M, Angel P, Mehta A, Drake R, **Hill E** and Yeh E (2019). Core-fucosylated tetra-antennary N-glycan containing a single N-acetylglucosamine branch is associated with poor survival outcome in breast cancer. *International Journal of Molecular Sciences*. 20(10):2528. doi: 10.3390/ijms20102528. PMCID: PMC6566954
83. Garand KLF*, **Hill EG**, Armeson K, Brown A and Martin-Harris B (2019). Bolus airway invasion observed during videofluoroscopy in healthy, non-dysphagic community-dwelling adults. *Annals of Otolaryngology and Laryngology*. 128:426-432. PMID: 30700098
82. Chakraborty P, Chatterjee S, Kesarwani P, Thyagarajan K, Iamsawat S, Dalheim A, Nguyen H, Selvan SP, Nasarre P, Scurti G, Hardiman G, Maulik N, Ball LE, Gangaraju V, Rubinstein MP, Klauber-DeMore N, **Hill EG**, Ogretmen B, Yu XZ, Nishimura MI and Mehrotra S (2019). Thioredoxin-1 improves the immunometabolic phenotype of antitumor T cells. *Journal of Biological Chemistry*. 294(23):9198-9212. doi: 10.1074/jbc.RA118.006753. PMCID: PMC6556575
81. Ellis MA, Sterba KR, Day TA, March CH, Maurer S, **Hill EG** and Graboyes EM* (2019). Body image disturbance in surgically treated head and neck cancer patients: A patient-centered approach. *Otolaryngology Head and Neck Surgery*. 161(2):278-287. doi: 10.1177/0194599819837621. PMCID: PMC6675637
80. Graboyes EM*, **Hill EG**, Marsh CH, Maurer S, Day TA and Sterba KR (2019). Body image disturbance in surgically treated head and neck cancer patients: A prospective cohort pilot study. *Otolaryngology Head and Neck Surgery*. 161(1):105-110. doi: 10.1177/0194599819835534. PMCID: PMC6602859
79. Ellis MA, Sterba KR, Brennan EA, Maurer S, **Hill EG**, Day TA and Graboyes EM* (2019). A systematic review of patient-reported outcome measures assessing body image disturbance in patients with head and neck cancer. *Otolaryngology Head and Neck Surgery*. Feb 12:194599819829018. doi: 10.1177/0194599819829018. [Epub ahead of print]. PMID: 30744514
78. Chatterjee S, Chakraborty P, Daenthanasanmak A, Iamsawat S, Andrejeva G, Luevano LA, Wolf M, Baliga U, Krieg C, Beeson C, Mehrotra M, **Hill E**, Rathmell J, Yu XZ, Kraft A and Mehrotra S (2019). Targeting PIM Kinase with PD1 inhibition Improves Immunotherapeutic Anti-Tumor T Cell Response. *Clinical Cancer Research*. 25:1036-1049. PMCID: PMC6361669
77. House R, Majumder M, Janakiraman H, Ogretmen B, Kato M, Erkul E, **Hill E**, Atkinson C, Barth J, Day TA and Palanisamy V (2018). Smoking-induced control of miR-133a-3p alters the expression of EGFR and HuR in HPV-infected oropharyngeal cancer. *PLoS One*. 13(10):e0205077. PMCID: PMC6173415
76. Zambrano J, Williams Christina, Williams Carly, Hedgepeth L, Burger P, Dilday T, Eblen S, Armeson K, **Hill E** and Yeh E (2018). Staurosporine, an inhibitor of hormonally up-regulated neu-associated kinase. *Oncotarget*. 9:35962-35973. PMCID: PMC6267597
75. Janz TA, Kim J*, **Hill EG**, Sterba K, Warren Graham, Sharma AK, Day TA, Hughes-Halbert C and Graboyes EM* (2018). Association of care processes with timely, equitable postoperative radiation therapy in patients with surgically-treated head and neck cancer. *JAMA Otolaryngology Head and Neck Surgery*. doi:10.1001/jamaoto.2018.2225. PMCID: PMC6472989
74. Daenthanasanmak A, Wu Y, Iamsawat S, Nguyen HD, Bastian D, Zhang MM, Sofi MH, Chatterjee S, **Hill EG**, Mehrotra S, Kraft AS and Yu XZ (2018). PIM-2 protein kinase negatively regulates T cell responses in transplantation and tumor immunity. *Journal of Clinical Investigation*. 128:2787-2801. PMCID: PMC6025986

73. Wallace K, Lewin DN, Sun S, Spiceland CM, Rockey D, Alekseyenko AV, Wu J, Baron JA, Alberg AJ and **Hill EG** (2018). Tumor-infiltrating lymphocytes and colorectal cancer survival in African American and Caucasian patients. *Cancer Epidemiology, Biomarkers & Prevention*. 27:755-761. PMID: PMC6449046
72. Wrangle J, Velcheti V, Patel MR, Garrett-Mayer E, **Hill EG**, Ravenel J, Miller J, Anderton K, Taffaro-Neskey M, Sherman C, Suriano S, Swiderska-syn M, Harris J, Sion A, Edwards A, Rytlewski JA, Sanders CM, Yusko EC, Farhad M, Redmond WL, Lindsey K, Egan J, Rhode P, Jeng E, Rock A, Wong H, Rubinstein MP (2018). ALT-803, an IL-15 superagonist, in combination with nivolumab in patients with metastatic non-small cell lung cancer: a non-randomised, open-label, phase 1b trial. *Lancet Oncology*. 19:694-704. PMID: PMC6089612
71. Garand KL*, Armeson K, **Hill EG** and Martin-Harris B (2018). Identification of phenotypic patterns of dysphagia: a proof of concept study. *American Journal of Speech Language Pathology*. 27:988-995. PMID: 29800022
70. Dobbie AM, Ward RC*, Oyer SL, Overton LJ, **Hill EG** and Patel KG (2018). Conscious perception of facial asymmetry in a unilateral cleft lip model. *Plastic and Reconstructive Surgery*. 55:213-219. PMID: 29351035
69. Peterson YK, Nasarre P, Bonilla IV, Hilliard E, Samples J, Morinelli TA, **Hill EG** and Klauber-DeMore N (2017). Frizzled-5: A high-affinity receptor for secreted frizzled-related protein-2 activation of nuclear factor of activated T-cells c3 signaling to promote angiogenesis. *Angiogenesis*. 20:615-628. PMID: PMC5675522
68. McGrattan KE*, McFarland DH, Dean JC, **Hill EG**, White DR and Martin-Harris B (2017). Effect of single-use, laser-cut, slow-flow nipples on respiration and milk ingestion in preterm infants. *American Journal of Speech-Language Pathology*. 26(3):832-839. PMID: PMC5829795
67. McGrattan KE*, McGhee H, DeToma A*, **Hill EG**, Zybiewski SC, Lefton-Greif M, Halstead L, Bradley SM and Martin-Harris B (2017). Dysphagia in infants with single ventricle anatomy following stage 1 palliation: physiologic correlates and response to treatment. *Congenital Heart Disease*. 12:382-388. PMID: PMC5459617
66. Hazelwood RJ*, Armeson K, **Hill EG**, Bonilha H and Martin-Harris B (2017). Identification of swallowing tasks from MBSS that optimize the detection of physiologic impairment. *Journal of Speech, Language, and Hearing Research*. 60(7):1855-1863. PMID: PMC5831085
65. Wallace K, DeToma A*, Lewin DN, Sun S, Rockey D, Britten C, Wu J, Ba Aissatou, Alberg A and **Hill EG** (2016). Racial differences in stage IV colorectal cancer survival in younger and older patients. *Clinical Colorectal Cancer*. doi: 10.1016/j.clcc.2016.11.006. PMID: PMC5462873
64. McFarland D, Martin-Harris B, Humphries K, Fortin AJ, **Hill EG** and Armeson K (2016). Respiratory-swallowing coordination in normal subjects: lung volume at swallowing initiation. *Respiratory Physiology and Neurobiology*. 234:89-96. PMID: PMC5097001
63. Anderson BJ, Wahlquist AE, **Hill EG**, Marshall DT, Kimchi ET, O'Carroll KFS and Camp ER (2016). The Impact of Metabolic Syndrome on Outcome and Response to Neoadjuvant Chemoradiation in Locally Advanced Rectal Cancer Patients. *International Journal of Surgery*. 33:8-12. PMID: 27432024.
62. House RP, Talwar S, Hazard ES, **Hill EG** and Palanisamy V (2015). RNA-binding protein CELF1 promotes tumor growth and alters gene expression in oral squamous cell carcinoma. *Oncotarget*. 6:43620-34. PMID: PMC3945035.
61. Van Poznak C, Somerfield MR, Bast RC, Cristofanilli M, **Hill EG**, Goetz MP, Hicks DG, Liu MC, Lucas W, Mayer IA, Mennel RG, Symmans WF, Hayes DF and Harris LN (2015). Use of biomarkers to guide decisions on systemic therapy for women with metastatic breast cancer: American Society of Clinical Oncology clinical practice guideline. *Journal of Clinical Oncology*. 33(24):2695-704. PMID: PMC5478102.
60. Garner S, Cox T, **Hill EG**, Irving M, Bissinger R and Annibale D (2015). Prospective, controlled study of an intervention to reduce errors in neonatal antibiotic orders. *Journal of Perinatology*. 35(8):631-5. PMID: 25836318.
59. Schwacke J, Millar TP, Hammond CE, Saha A, Hoffman BJ, Romagnuolo J, **Hill EG** and Smolka AJ (2015). Discrimination of normal and esophageal cancer plasma proteomes by MALDI-TOF mass spectrometry. *Digestive Diseases and Sciences*. 60(6):1645-54. PMID: 25577268.
58. Yeh ES, Abt MA and **Hill EG** (2015). Regulation of cell survival by HUNK mediates breast cancer resistance to HER2 inhibitors. *Breast Cancer Research and Treatment*. 149(1):91-8. PMID: PMC4342830.

57. Martin-Harris B, McFarland D, **Hill EG**, Strange CB, Focht KL, Wan Z, Blair J and McGrattan K (2015). Respiratory-swallow training in patients with head and neck cancer. *Archives of Physical Medicine and Rehabilitation*. 96(5):885-93. PMID: PMC4410058
56. Anderson BJ, **Hill EG**, Sweeney RE, Wahlquist AE, Marshall DT, O'Carroll KS, Cole DJ and Camp ER (2015). The impact of surgical diversion before neoadjuvant therapy for rectal cancer. *The American Surgeon*. 81(5):444-9. PMID: 25975325
55. Wolf B*, Slate EH and **Hill EG** (2015). Ordinal Logic Regression: A classifier for discovering combinations of binary markers for ordinal outcomes. *Computational Statistics and Data Analysis*. 82:152-163. PMID: PMC4397503
54. Rhome RM, Wahlquist AE, Cooper SL, **Hill EG**, Garrett-Mayer E and Harper JL (2015). Investigation of Epidemiological Factors as Barriers to Indicated Radiation Therapy in Post-mastectomy Breast Cancer Patients in South Carolina. *Journal of the South Carolina Medical Association*. 111(1): 16-20. PMID: 27124981
53. Qanungo S, Uys JD, Manevich Y, Distler AM, Shaner G, **Hill EG**, Mieval JJ, Lemasters JJ, Townsend DM and Nieminen AL (2014). N-Acetyl-L-Cysteine Sensitizes Pancreatic Cancers to Gemcitabine by Targeting the NFkB Pathway. *Biomedicine and Pharmacotherapy*. 68(7):855-64. PMID: PMC4461568
52. Valerio MS, Herbert BA, Griffin AC, Wan Z, **Hill EG** and Kirkwood KL (2014). MKP-1 signaling events are required for early osteoclastogenesis in lineage defined progenitor populations by disrupting RANKL-induced NFATc1 nuclear translocation. *Bone*. 60:16-25. PMID: PMC3945035
51. **Hill EG** and Slate EH (2014). A semi-parametric Bayesian model of inter- and intra-examiner agreement for periodontal probing depth. *Annals of Applied Statistics*. 8:331-351. PMID: PMC4175569
50. Arthur J, **Hill EG**, Alge JL, Lewis EC, Neely BA, Janech MG, Tumlin JA, Chawla LS, Shaw AD and the SAKInet Investigators (2014). Evaluation of 32 urine biomarkers to predict progression of AKI after cardiac surgery. *Kidney International*. 85:431-438. PMID: PMC3880389
49. Alberg A, Armeson K, Pierce J, Bielawski J, Bielawska A, Visvanathan K, **Hill EG** and Ogretmen B (2013). Plasma sphingolipids and lung cancer: A population-based, nested case-control study. *Cancer Epidemiology, Biomarkers & Prevention*. 22:1374-1382. PMID: PMC3733124
48. Xavier AC, Armeson KE, **Hill EG** and Costa LJ. Risk and outcome of non-Hodgkin lymphoma among classical Hodgkin lymphoma survivors (2013). *Cancer*. 119:3385-3392. PMID: PMC 3862840.
47. Costa LJ, Wahlquist AE, Xavier AC and **Hill EG**. Trends in survival of patients with Burkitt lymphoma/leukemia in the USA: an analysis of 3691 cases (2013). *Blood*. 121:4861-4866. PMID: PMC3682339
46. Wallace K, **Hill EG**, Lewin DN, Thomas MB, Ford M, Alberg AJ and Bennett CL (2013). Racial disparities in advanced-stage colorectal cancer survival. *Cancer Causes and Control*. 24:463-471. PMID: PMC3574218
45. Talwar S, Balasubramanian S, Sundaramurthy S, House R, Wilusz C, Kuppaswamy D, D'Silva N, Gillespie MB, **Hill EG** and Palanisamy V (2013). Over-expression of RNA-binding protein CELF1 prevents apoptosis and destabilizes proapoptotic mRNAs in oral cancer cells (2013). *RNA Biology*. 10:277-286. PMID: PMC3594286
44. Cunningham JE, Walters CA, Barker-Elamin T, Ford ME, **Hill EG** and Bennett CL (2013). Mind the gap: Racial differences in breast cancer incidence and biologic phenotype but not stage among low-income women enrolled in a government-funded screening program. *Breast Cancer Research and Treatment*. 137:589-598. PMID: PMC3660400
43. Armeson KE, **Hill EG** and Costa LJ (2013). Tandem autologous vs. autologous plus reduced intensity allogeneic stem cell transplantation in multiple myeloma: meta-analysis of trials with biological assignment. *Bone Marrow Transplantation*. 48:562-567. PMID: 22964593
42. Bonilha HS, Humphries K, Blair J, **Hill EG**, McGrattan K, Carnes B, Huda W and Martin-Harris B (2013). Radiation Exposure Time during MBSS: Influence of Swallowing Impairment Severity, Medical Diagnosis, Clinician Experience, and Standardized Protocol Use. *Dysphagia*. 28:77-85. PMID: PMC3477506

41. Wolf B*, **Hill EG**, Slate EH, Neumann C and Kistner-Griffin E (2012). LBoost: A boosting algorithm with application for epistasis discovery. *PLoS One*. 7(11):e47281. PMID: PMC3493573
40. Gullung JL, **Hill EG**, Castell DO and Martin-Harris B (2012). Oropharyngeal and Esophageal Swallowing Impairment: Association and Predictive Value of MBSImp™ and Combined MII-EM. *Annals of Otolology, Rhinology and Laryngology*. 121:738-745. PMID: 23193907
39. Wright S, Armeson KE, **Hill EG**, Streck C, Leddy L, Cole D, Esnaola N and Camp E (2012). The Role of Sentinel Lymph Node Biopsy in Select Sarcoma Patients: A Meta-analysis. *The American Journal of Surgery*. 204:428-433. PMID: 22578407
38. Yuen H, Wiegand RE, **Hill EG**, Magruder KM, Slate EH, Salinas C and London SD (2011). Factors Associated with Toothache among African American Adolescents Living in Rural South Carolina. *Social Work in Public Health*. 26:695-707. PMID: 22085328
37. Slate EH and **Hill EG** (2012). Discovering factors influencing examiner agreement for periodontal measures. *Community Dentistry and Oral Epidemiology*. 40 Suppl 1:21-27. PMID: PMC3294374
36. Reeves TD, **Hill EG**, Armeson KE and Gillespie MB (2011). Cetuximab therapy for head and neck squamous cell carcinoma: a systematic review of the data. *Otolaryngology - Head and Neck Surgery*. 144:676-684. PMID: 21493327
35. Cartmell KB, Miner C, Carpenter MJ, Vitoc CS, Biggers S, Onicescu G, **Hill EG**, Nickerson BC and Alberg AJ (2011). Secondhand smoke exposure in young people and parental rules against smoking at home and in the car. *Public Health Reports*. 126:575-582. PMID: PMC3115217
34. Miller PM, Heideman PW, Ravenel MC, Spangler JG, Mauldin MP, **Hill EG** and Onicescu G (2011). Preliminary development and evaluation of online tobacco and alcohol modules for dental students. *Journal of Dental Education*. 75:791-796. PMID: 21642525
33. Wolf B*, **Hill EG** and Slate EH (2010). Logic Forest: An ensemble classifier for discovering logical combinations of binary markers. *Bioinformatics*. 26:2183-2189. PMID: PMC3025651
32. Onicescu G*, **Hill EG**, Lawson AB, Korte JE and Gillespie MB (2010). Joint disease mapping of cervical and male oropharyngeal cancer incidence in blacks and whites in South Carolina. *Spatial and spatio-temporal epidemiology*. 1:133-141. PMID: PMC2885797
31. Alanis MC*, Goodnight WH, **Hill EG**, Robinson CJ, Villers MS and Johnson DD (2010). Maternal super-Obesity (body mass index ≥ 50 kg/m²) and adverse pregnancy outcomes. *Acta Obstetrica et Gynecologica Scandinavica*. 89:924-930. PMID: 20438391
30. Gochnauer AC*, Trivedi R, **Hill EG** and Wilson ME (2009). Interocular axial length difference as a predictor of postoperative visual acuity after unilateral pediatric cataract extraction with primary IOL implantation. *Journal of the American Association for Pediatric Ophthalmology and Strabismus*. 14:20-24. PMID: 20227617
29. Lin YW, Beharry ZM, **Hill EG**, Song JH, Wang W, Xia Z, Zhang Z, Aplan PD, Aster JC, Smith CD and Kraft AS (2010). A small molecule inhibitor of Pim protein kinases blocks the growth of precursor T-cell lymphoblastic leukemia/lymphoma. *Blood*. 115:824-833. PMID: PMC2941996
28. Schwacke JS, **Hill EG**, Krug EL, Comte-Walters S and Schey KL (2009). iQuantitor: a tool for protein expression inference using iTRAQ™. *BMC Bioinformatics*. 10:342 – 356. PMID: PMC2770557
27. Karpievitch YV*, **Hill EG**, Leclerc AP, Dabney AR and Almeida JS (2009). An introspective comparison of Random Forest-based classifiers for the analysis of cluster-correlated data by way of RF++. *PLoS One*. 4:e7087. PMID: PMC2739274
26. Yuen HK, Onicescu G, **Hill EG** and Jenkins C (2009). A survey of oral health education provided by certified diabetes educators. *Diabetes Research and Clinical Practice*. 88:48-55. PMID: PMC2837778
25. Robinson CJ*, **Hill EG**, Alanis MA, Chang EY, Johnson DD and Almeida JS (2009). Examining the effect of maternal obesity on outcome of labor induction in patients with preeclampsia. *Hypertension in Pregnancy*. 29:446-56. PMID: 20818957

24. Zyblewski SC*, **Hill EG**, Shirali G, Atz A, Forbus G, Gonzales J and Hlavacek A (2009). Chromosomal anomalies influence parental treatment decisions in relation to prenatally diagnosed congenital heart disease. *Pediatric Cardiology*. 30:1105 – 1111. PMID: 19705187
23. Saunders LL*, Selassie AW, **Hill EG**, Nicholas JS, Horner MD, Corrigan JD and Lackland DT and (2009). A population-based study of repetitive traumatic brain injury among persons with traumatic brain injury. *Brain Injury*. 23:866 – 872. PMID: 20100122
22. Varma A*, **Hill EG**, Nicholas JS and Selassie AW (2010). Predictors of early mortality after traumatic spinal cord injury – a population based study. *Spine*. 35:778 – 783. PMID: 20228715
21. Saunders LL*, Selassie AW, **Hill EG**, Horner MD, Nicholas JS, Lackland DT and Corrigan JD (2009). Pre-existing Health Conditions and Repeat Traumatic Brain Injury. *Archives of Physical Medicine and Rehabilitation*. 90:1853 – 1859. PMID: 19887208
20. Matheson EM*, Mainous AG, **Hill EG** and Carnemolla MA (2009). Shellfish consumption and risk of coronary heart disease. *Journal of the American Dietetic Association*. 109: 1422 – 1426. PMID: 19631050
19. **Hill EG**, Schwacke JH, Comte-Walters S, Slate EH, Oberg AL, Eckel-Passow JE, Therneau TM and Schey KL (2008). A statistical model for iTRAQ data analysis. *Journal of Proteome Research*. 7: 3091 – 3101. PMCID: PMC2722948
18. Oberg AL, Mahoney DW, Eckel-Passow JE, Malone CJ, Wolfinger RD, **Hill EG**, Cooper LT, Onuma OK, Sprio C, Therneau TM and Bergen HR (2008). Statistical analysis of relative labeled mass spectrometry data from complex samples using ANOVA. *Journal of Proteome Research*. 7: 225 – 233. PMCID: PMC2528956
17. Zhou H*, Lawson AB, Hebert JR, Slate EH and **Hill EG** (2008). A Bayesian hierarchical modeling approach for studying the factors affecting the stage at diagnosis of prostate cancer. *Statistics in Medicine*. 27:1468 – 89. PMID: 17708511
16. Zhou H*, Lawson AB, Hebert JR, Slate EH and **Hill EG** (2008). Joint spatial survival modeling for the age at diagnosis and the vital outcome of prostate cancer. *Statistics in Medicine*. 27: 3612 – 3628. PMCID: PMC3417137
15. Tutuian R*, Vela MF, **Hill EG**, Mainie I, Agrawal A and Castell DO (2008). Characteristics of symptomatic reflux episodes on acid suppressive therapy. *American Journal of Gastroenterology*. 103:1090-1096. PMID: 18445095
14. Saunders LL*, Selassie AW, **Hill EG**, Nicholas JS, Varma AK, Lackland DT, Patel SJ (2009). Traumatic spinal cord injury mortality, 1981-1998. *Journal of Trauma, Injury, Infection, and Critical Care*. 66:184–190. PMID: 19131823
13. Koya DL*, **Hill EG** and Darden P (2008). The effect of vaccinated children on increased hepatitis B immunization among high-risk adults. *The American Journal of Public Health*. 98:832 – 838. PMCID: PMC2374825
12. Fyffe DC*, Brown EL, Sirey JA, **Hill EG** and Bruce ML (2008). Older home-care patients' preferred approaches to depression care: a pilot study. *Journal of Gerontological Nursing*. 34:17 – 22. PMID: 18714602
11. Scheurer MA*, **Hill EG**, Vasuki N, Maurer S, Graham EM, Bandisode V, Shirali GS, Atz AM and Bradley SM (2007). Survival after bidirectional cavopulmonary anastomosis: analysis of preoperative risk factors. *Journal of Thoracic and Cardiovascular Surgery*. 134:82 – 89. PMID: 17599490
10. Karpievitch YV*, **Hill EG**, Smolka AJ, Morris JS, Coombes JR, Baggerly KA and Almeida JS (2007). PrepMS: TOF MS data graphical preprocessing tool. *Bioinformatics*. 23:264 – 265. PMCID: PMC2633108
9. Powell C*, **Hill EG**, and Clancy D (2007). The relationship between health literacy and diabetes knowledge and health belief model. *Diabetes Educator*. 33:144 – 151. PMID: 17272800
8. Mishima N, Hoffman S, **Hill EG** and Krug EL (2006). Chick embryos exposed to trichloroethylene in ex ovo culture model show selective defects in early endocardial cushion tissue formation. *Birth Defects Research (Part A): Clinical and Molecular Teratology*. 76:517 – 527. PMID: 16933305
7. **Hill EG**, Slate EH, Wiegand RE, Grossi SG and Salinas CF (2006). Study design for calibration of clinical examiners measuring periodontal parameters. *Journal of Periodontology*. 77: 1129 – 1141.

6. Waller LA, **Hill EG** and Rudd RA (2006). The geography of power: Statistical performance of tests of clusters and clustering in heterogeneous populations. *Statistics in Medicine*. 25: 853 – 865
5. Sullivan SA*, **Hill EG**, Newman RB and Menard MK (2005). Maternal-fetal medicine specialist density is inversely associated with maternal mortality ratios. *American Journal of Obstetrics and Gynecology*. 193: 1083 – 1088
4. Baker CK, Norris FH, Diaz D, Perilla J, Murphy A, **Hill E** (2005). Violence and PTSD in Mexico: Gender and regional differences. *Social Psychiatry and Psychiatric Epidemiology*. 40: 519 – 528
3. Buge SL, Hakling M, Rama RA, Wyatt LS, Earl PL, Villinger E, Montefiori DC, Staprans S, Xu Y, O'Neill S, Herndon JG, **Hill E**, Moss B, Robinson H, McNicholl JM (2003). Gp120-alum boosting of a Gag-Pol-Env DNA/MVA AIDS vaccine: poorer control of a pathogenic viral challenge. *AIDS Research and Human Retroviruses*. 19: 891-900
2. **Hill EG**, Ding L and Waller LA (2000). A comparison of three tests to detect general clustering of a rare disease in Santa Clara, California. *Statistics in Medicine*. 19:1363-1378
1. **Hill EG**, Allen AS and Waller LA (1999). A comparison of focused score tests and Bayesian hierarchical models for detecting spatial disease clustering. *Journal of the National Institute of Public Health*. 48:102-112

Published Non-Peer Reviewed Journal Articles

1. Wiegand RE, Slate EH, **Hill EG**, Fernandes JK and London SD (2006). Detection limit in logistic ELISA standard curves. In *JSM Proceedings*, Section on Statistics in Epidemiology. [CD-ROM], Alexandria, VA: American Statistical Association.
2. Slate EH, Geng J, Wolf BJ and **Hill EG** (2014). Discovery among binary biomarkers. In *JSM Proceedings*, Section on Physical and Engineering Sciences. Alexandria, VA: American Statistical Association.

Chapters in Scholarly Books and Monographs

1. Heilig CM, **Hill EG** and Karon JM (2006). Leveraging chance in HIV research. In *Statistics: A Guide to the Unknown, 4th Edition*. Peck R, Casella G., Cobb G.W., Hoerl R. and Nolan D (eds.) Duxbury Press, Belmont, CA.
2. **Hill EG** and Garrett-Mayer E (2011). Basic biostatistics for the clinical trialist. In *Principles of Anticancer Drug Development*. Hidalgo M, Eckhardt SG, Garrett-Mayer E and Clendenin NJ (eds.) Springer, New York.