

Hui-Yi Lin, PhD

Date: Dec. 2017

Current Position:

Associate Professor
Biostatistics Program
School of Public Health
Louisiana State University Health Sciences Center (LSUHSC)
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New Orleans, LA 70112
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Education:

2001-2004 Ph.D. Biostatistics, Tulane University, New Orleans, LA
1999-2001 M.S. Biostatistics, University of Michigan at Ann Arbor, Ann Arbor, MI
1994-1996 M.S. Health Behavior, National Taiwan University, Taipei, Taiwan
1991-1994 B.PH Public Health, National Taiwan University, Taipei, Taiwan

Postgraduate Training

2004-2006 Postdoctoral Researcher, Stanley S. Scott Cancer Center & School of Public Health, Louisiana State University Health Sciences Center, New Orleans, LA

Academic Appointments & Employment:

09/2015- present Associate Professor with Tenure, Biostatistics Program, School of Public Health, Louisiana State University Health Sciences Center (LSUHSC)

07/2014-09/2015 Tenured Associate Member, Biostatistics and Bioinformatics Department, Moffitt Cancer Center and Research Institute, Tampa, FL
Associate Professor, Department of Oncologic Sciences, University of South Florida, Tampa, FL

01/2009-06/2014 Assistant Member, Tenure track, Biostatistics Department, Moffitt Cancer Center and Research Institute, Tampa, FL
Assistant Professor, Department of Oncologic Sciences, University of South Florida, Tampa, FL

07/2006-12/2008 Assistant Professor, Research track, Department of Medicine, University of Alabama at Birmingham, AL
Biostatistician and Associate Scientist, Biostatistics and Bioinformatics Unit, Comprehensive Cancer Center, University of Alabama at Birmingham, AL
Associate Scientist, Center for AIDS Research, University of Alabama at Birmingham, AL

12/2004-06/2006 Postdoctoral Researcher, Stanley S. Scott Cancer Center & School of Public Health, Louisiana State University Health Sciences Center, New Orleans, LA

2002-2004 Research Assistant, School of Public Health, Louisiana State University Health Science Center, New Orleans, LA

2001-2004	Teaching Assistant, Department of Biostatistics, Tulane University, New Orleans, LA
1996-1999	Research Specialist, the Executive Yuan, Department of Health, Taipei, Taiwan
1993-1995	Research Assistant, National Taiwan University, Institute of Public Health, Taipei, Taiwan

Teaching Experience

1. LSUHSC Courses

- BIOS 6102 (4 credits): Biostatistical Methods II + SAS Lab
2016 Spring, 2017 Spring
- BIOS 6610 (2 credits): Biostatistical Consulting
2016 Fall, 2017 Fall
- BIOS 6700 (1 credit) : Research Seminar in Biostatistics
2016 Fall, 2017Fall

2. University Courses (Moffitt):

- Nov. 2014 **Instructor**, Cancer Research Techniques (BSC 6457), Cancer Biology Ph.D. program, University of South Florida
 - “Biostatistics: Hypothesis and Statistical Inferences”
- Sep-Nov. 2014 **Course Coordinator & Instructor**, Biostatistics 101 for Cancer Researchers (BIOS 101), Moffitt Cancer Center & Research Institute, Tampa, FL
- Sep-Nov. 2014 **Course Coordinator and Instructor**, Selected Topics in Cancer Biology BIOSTATISTICS 101 for Cancer Researchers (BSC 6939), Moffitt Cancer Center & Research Institute, Tampa, FL
- Jan. 2013 & 2014 **Instructor**, Biostatistical Case Studies and Collaboration I (PHC 6060), Dept. of Epidemiology and Biostatistics, University of South Florida
 - A total of two three-hour lectures, “Introduction of Single Nucleotide Polymorphism (SNP) Data Analyses” and “Single Nucleotide Polymorphism (SNP) Association Tests”.
- May 2013 **Co-chair & Instructor**, Biostatistics 101 for Cancer Researchers (BIOS 101), Moffitt Cancer Center, Tampa, FL
 - Lecture entitled “Special Topics for High Dimensional Genetic Data: Single Nucleotide Polymorphism (SNP) data analyses”
- Jan. 2013 **Instructor**, Survival Data Analysis (PHC 6055), Dept. of Epidemiology and Biostatistics, University of South Florida
 - Lecture entitled “Survival Data” (three-hour class)
- Jan.-Feb. 2012 **Instructor**, Survival Data Analysis (PHC 6055), Dept. of Epidemiology and Biostatistics, University of South Florida
 - A total of two three-hour lectures, SNP associated with overall survival were introduced in the class. The lecture titles are “Kaplan-Meier Estimate of Group Survivorship” and “Group Comparison of Survivorships: Log-rank Tests”

- Jun. 2010, 2011 & 2013 **Co-chair & Instructor**, Genomics and Medical Genetics (one-week full-day class), Summer Institute for Training in Biostatistics (SIBS), University of South Florida
- Design the course contents and gave a total of three one-hour lectures for each year in “SNP Data Analyses Introduction,” “SNP association tests,” “SNP-SNP interactions”, and a computer lab practice.
- Nov. 2009 & Nov. 2010 **Instructor**, Cancer Research Techniques (BSC 6457), Cancer Biology Ph.D. program, University of South Florida
- “Biostatistics- Fundamentals of Statistics” and “Hypothesis Inferences”,
- Oct. 2009 **Instructor**, Biostatistics 101 for Cancer Researchers (BIOS 101), Moffitt Cancer Center, Tampa, FL
- Lecture entitled “Hypothesis and Statistical Inferences”
- 2001-2004 **Teaching Assistant**, Introductory Biostatistics, Department of Biostatistics, Tulane University, New Orleans, LA

3. Other Courses:

Moffitt Biostatistics Journal Club, Tampa, FL

- Mar. 2013, “Evaluating Gene-gene and Gene-environmental Interactions: the Lung Cancer Example”
- May 2012, “Validation of SNP-SNP Interactions in Angiogenesis Genes Associated with prostate cancer aggressiveness”
- Feb. 2012, “A Powerful Two-Stage Machine Learning Approach for Identifying SNP-SNP Interactions”
- Oct. 2010, “Performance of Machine-Learning Methods in Detecting SNP-SNP Interactions”

4. Teaching and Training Experience:

Graduate training (LSUHSC):

PhD students:

Heng-Yuan Tung, Biostatistics, PhD dissertation advisor, 08/2016-present

Meijiao Zhou, Epidemiology, PhD committee member, 08/2016-present

Yi Zhai, Biostatistics, PhD committee member, 01/2016-04/2017

Master students:

Catherine Y. Callan, Biostatistics, MS thesis advisor, 10/2017-present

McKensie P. Osborn, Biostatistics, MS committee member, 11/2017-present

Sishi Cao, Biostatistics, MS committee member, 09/2015-04/2016

Graduate training (Moffitt):

- Jan- May 2014 **Advisor** of Special Project (PHC 6977, 3-hour credits) for Tzu-Hua Juan, a master student in the Department of Epidemiology and Biostatistics (major: biostatistics) at USF.
- Aug- Dec 2013 **Mentor** of filed experience for Tzu-Hua Juan, a master student in the Department of Epidemiology and Biostatistics at USF.
- Aug- Sep 2013 **Mentor** of filed experience for Christine Huang, an undergraduate student at USF.
- May- Oct 2013 **Mentor** of filed experience for Ian Valentine, a master student in the Department of Epidemiology and Biostatistics at USF.
- Aug -Nov2012 **Mentor** of filed experience for Ben O. Osongo, a master student in the Department of Epidemiology and Biostatistics at USF.
- May-Sep 2012 **Mentor** of filed experience for Shams Rahnam, a master student in the Department of Epidemiology and Biostatistics at USF for the summer internship.
- Jan-May 2012 **Mentor** of filed experience for Maral Saadati, a Ph.D. student in Statistics, for the research assistantship. - She now works as a scientist in the Division of Biostatistics at the German Cancer Research Center in Heidelberg, Germany.
- Sep 2010-Feb 2011 **Mentor** for Nimisha Chheda, a master student in the Department of Epidemiology and Biostatistics at USF for the internship
- May-Jul 2010 **Mentor** for Lei Liu, a master student in the Department of Epidemiology and Biostatistics at USF for the summer internship
- Apr 2009-Jul 2010 **Supervisor** for Ph.D. Dissertation of Jenny Wey, who is a Ph.D. student in the Department of Epidemiology and Biostatistics at USF.
- We have published three ovarian cancer SNP papers in *Cancer Res.* (PMID:21482675, 2011), *Cancer Epidemiol Biomarkers Prev.* (PMID:21636674, 2011), and *Nat Commun.* (PMID:23535648, 2013).
- Jun-Dec 2009 **Supervisor** for master's thesis of Selina Radlein, who was a graduate student in the Department of Epidemiology and Biostatistics at USF. Ms. Radlein is currently employed at the Moffitt Cancer Center.
- We have published one prostate cancer paper in *Urology* (PMID:21802122, 2011) and gave four presentations at the national conferences.
- She works as a Research Coordinator in Dept. of Cancer Epidemiology at Moffitt.
- July 2006-Dec 2008 **Mentor** for a master's level statistician on statistical programming and maintaining the annual report system in the National Spinal Cord Injury Statistical Center at UAB.

Undergraduate training:

Mar 2013- Jun. 2013 **Mentor** for Yang Gao, an undergraduate in the College of Arts and Science at USF

Residents/Clinical Fellows/Post-Doctoral trainees:

Aug 2011-May 2014 **Co-mentor** for Christine M. Pierce Campbell, Postdoctoral Fellow in the Molecular & Genetic Epidemiology Program at Moffitt Cancer Center.

- We have published one HPV manuscript in *Lancet* (2013) and gave four presentations in the national (2013 AACR) and international conferences (The 28th IPV Conference, 2012).
- Mar-Oct 2009 **Mentor** for Jessica Freilich, who was a medical student at USF, worked on breast cancer projects with Dr. Eleanor Harris in Division of Radiation Oncology at Moffitt.
- We have published one breast cancer paper in *Int J Radiat Oncol Biol Phys* (PMID:22867892, 2013).
- Jan- Dec 2007 **Mentor** for junior physicians (Douglass B. Clayton, Andrew M. Strang, and Jared Cox) on clinical trial design and statistical result interpretation for the Dept. of Urology at UAB.
- Jan 2007-Dec 2008 **Mentor** for junior physicians (Michael J. Mugavero and Michael E. Kimberling) on clinical trial design and statistical result interpretation for the cancer center and Center for AIDS Research at UAB.
- K23 Mentored Patient-Oriented Research Career Development Award (MH082641, PI: Mugavero, Dec. 2007-Dec. 2008)
 - We have published nine papers and nine presentations in national conferences.

Invited Seminars

Department of Health Care Management, National Taipei University of Nursing and Health Sciences. Jun. 2016, “Genetic Biomarkers’ Impact on Cancer and Public Health”, Taipei, Taiwan.

Epidemiology Program, Louisiana State University Health Sciences Center, Mar. 2015, “Genetic Association Studies in Cancer”, New Orleans, LA.

Biostatistics Program, Louisiana State University Health Sciences Center, Jun. 2015, “Machine Learning & Pattern Search Approach for Gene-Gene (SNP-SNP) Interaction Detection Associated with Prostate Cancer”, New Orleans, LA.

Moffitt Cancer Center & Research Institute, Departments of Biostatistics and Bioinformatics, Nov. 2014, “Impacts of the Nicotinic Receptor Gene Variants on Nicotine Dependence and Lung Adenocarcinoma”, Tampa, FL.

University of South Florida, Department of Cell Biology, Microbiology and Molecular Biology, Sep. 2014, “Impact of SNP-SNP Interactions on Prostate Cancer”, Tampa, FL.

National Taiwan University, Research Center of Genes, Environment, and Human Health, College of Public Health, Graduate Institute of Epidemiology & Preventive Medicine, Jun. 2013, “Impact of Gene-gene Interactions on Prostate Cancer: Machine Learning Approach”

University of Southern Mississippi, Nov. 2007, “Interactions in SNP association studies”

University of Alabama at Birmingham, Biostatistics Unit, Microarray and Proteomics Working Group Series, Nov. 2007, “SNP-SNP interactions in Complex Diseases”

University of Alabama at Birmingham, Biostatistics Unit, Microarray and Proteomics Working Group Series, Apr. 2007, “Detecting SNP-SNP interactions in complex diseases using Multivariate Adaptive Regression Splines (MARS)”

University of Alabama at Birmingham, Biostatistics Unit, Microarray and Proteomics Working Group Series, Nov. 2006, “Limitation of logistic models for detecting SNP-SNP interactions”

University of Miami, May 2006, “MARS-logit Models to Detect Gene-Gene Interactions”

Northwestern University, Dept. of Preventive Medicine, Apr. 2006, “Variable Selection in the MARS-logit Models to Detect Gene-Gene Interactions”

University of Utah, School of Medicine, Department of Oncological Sciences, Feb. 2006, “Variable Selection in the MARS-logit Models to Detect Gene-Gene Interactions”

University of Kansas Medical Center, Dept. of Preventive Medicine & Public Health, Nov. 2005, “Gene-gene Interactions Using MARS-logit Models in Case-control study”

Honors and Awards

2013	Outstanding Faculty Performance, Moffitt Cancer Center & Research Institute
2009	ENAR Junior Researcher Travel Award, International Biometric Society
2007	Travel Award, the Susan G. Komen Breast Cancer Foundation, September
2004	Award for Excellence in Biostatistics, Tulane University, May
1994	Honorary Member, the Phi Tau Phi Scholastic Honor Society, National Taiwan University
1992	Presidential Award at school performance, National Taiwan University

Research Support

Active

Account:	5R21CA202417-02 (PI: Lin)
Dates:	07/07/2016 – 06/30/2018
Source:	NIH/NCI
Title:	Gene-Gene Interactions and Their Functional Roles in Prostate Cancer Aggressiveness
% Effort:	15%
Role in the Study:	PI
Total Amount of Award:	\$283,620

Account:	P20 GM121288-01 (PI: Reiss)
Dates:	08/15/2017 – 05/31/2022
Source:	NIH/NIGMS
Title:	Center for Translational Viral Oncology
% Effort:	10%
Role in the Study:	Co-Investigator (Biostatistics & Bioinformatics Core Director)
Total Amount of Award:	\$2,073,694

Account:	1P20CA202922-01A1 (PI: Miele/Gregory)
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Dates: 09/1/2017-08/31/2021
Source: NIH/NCI
Title: 2/2 Southeast Partnership for Improving Research & Training in Cancer Health Disparities
% Effort: 10%
Role in the Study: Co-Investigator
Total Amount of Award: \$750,000

Account: (PI: Ochoa)
Dates: 07/01/2016 – 06/30/2017
Source: LSU Stanley S. Scott Cancer Center
% Effort: 25%
Role in the Study: Co-Investigator

Account: (PI: Berenson)
Dates: 02/01/2016 – 06/30/2017
Source: LSU School of Medicine
Title: Healthy Aging Study
% Effort: 25%
Role in the Study: Co-Investigator

Pending

Account: GRANT12514277 (PI: Lin)
Dates: 10/01/2018 – 09/30/2021
Source: DoD
Title: Crosstalk among alcohol use, genetic variants, and DNA methylation in prostate cancer risk
% Effort: 25%
Role in the Study: PI
Total Amount of Award: \$802,329
Submitted: 2017/11

Moffitt Cancer Center & Research Institute (Jan. 2009-Sep. 2015):
Completed

Account: Team Science Award (PI: Park, Berglund, Lin)
Dates: 09/01/2015 – 08/31/2016
Source: Moffitt Cancer Center and Research Institute
Title: Influence of gene expression on survival after prostatectomy for prostate cancer
% Effort: 7%
Role in the Study: Co-PI
Total Amount of Award: \$150,000
Date Submitted: July 2015

Account: **1R01 CA177586-01** (PI: Rollison)
Dates: 04/01/2014 – 03/31/2019
Source: NIH/NCI
Title: Prospective study of cutaneous viral infections and non-melanoma skin cancer

% Effort: 10%
Role in the Study: Co-Investigator
Total Direct Costs: \$2,498,509
Total Amount of Award: \$4,196,806
Date Submitted: July 2013

Account #: **5 R01 CA164109-02** (PI: Jim)
Dates: 09/01/2012 – 06/30/2017
Source: NIH/NCI
Title: Sickness Behaviors in Gynecologic Cancer Patients Treated with
Chemotherapy

% Effort: 5%
Role in the Study: Co-Investigator
Total Direct Costs: \$1,557,578
Total Amount of Award: \$ 2,568,216

Account: **R21CA179659-01A1** (PI: Chornokur)
Dates: 07/01/2014 – 06/30/2016
Source: NIH/NCI
Title: Obesity and Prostate Cancer Risk in Black and White Men: A Functional
Approach

% Effort: 10%
Role in the Study: Co-Investigator
Total Amount of Award: \$300,000

Account #: **1R03 CA176743-01A1** (PI: Giuliano)
Dates: 07/24/2013 - 06/30/2015
Source: NIH/NCI
Title: Cutaneous Human Papillomavirus Infection and Subsequent Risk of
External Genital Lesions in Men

% Effort: 3%
Role in the Study: Co-Investigator
Total Direct Costs: \$50,000
Total Amount of Award: \$84,250

Account: **5R01 CA128813-05** (PI: Park)
Dates: 07/15/2008 – 05/31/2014 (NCE Status)
Source: NIH/NCI
Title: Genetic and Epigenetic Analysis of Angiogenesis Genes in Recurrent
Prostate Cancer

% Effort: NCE Status
Role: Co-Investigator
Total Direct Costs: \$1,225,106
Total Amount of Award: \$2,037,398

Account #: **10-16385-99-01** (PI: Sullivan)
Dates: 09/23/2011 – 09/22/2016
Source: NCI/CTEP
Title: Southeast Phase II Clinical Trials Consortium (SEP2C)
% Effort: per patient basis
Role: Statistical Co-Investigator

Account #: **5P30 CA076292-15** (PI: Sellers)
Dates: 02/18/2012 – 01/31/2017
Source: NIH/NCI
Title: H. Lee Moffitt Cancer Center and Research Institute Support Grant
% Effort: 11%
Role: Statistical Co-Investigator
Total Direct Costs: \$8,694,670
Total Amount of Award: \$14,650,520

Account #: **RSGT-11-012-01-CPPB** (PI: Gwede)
Dates: 01/01/2011 – 12/31/2015
Source: ACS-RSG
Title: Increasing Access to Colorectal Cancer Testing (IACCT) for Blacks
% Effort: 8% years 1-3, 2% year 4
Role in the Study: Statistical Co-Investigator
Total Direct Costs: \$925,833
Total Amount of Award: \$1,111,000

Account #: **Moffitt Activity 09-33494-11-01** (PI: Pow-Sang)
Dates: 06/01/2010 – 06/30/2015
Source: Moffitt
Title: Genitourinary Oncology Program Statistical Support
% Effort: 10%
Role in the Study: Statistical Co-Investigator
Total Direct Costs: \$64,593
Total Amount of Award: \$64,593

Account #: **5R01 CA149429-04** (PI: Phelan)
Dates: 04/01/2010 – 01/31/2015
Source: NIH/NCI
Title: The Mitochondrial Genome and Ovarian Cancer Risk
% Effort: 10%
Role in the Study: Statistical Co-Investigator
Total Direct Costs: \$2,173,780
Total Amount of Award: \$3,310,513

Account: **Moffitt Innovation Award** (PIs: Siegel, Jim)
Dates: 02/01/2014 – 01/31/2015
Source: Moffitt Intramural Award
Title: The Role of Genetic and Epigenetic Variation in Patient-Reported Neuropathy in Colorectal Cancer
% Effort: 0%
Role in the Study: Co-Investigator
Total Direct Costs: \$40,000
Total Amount of Award: \$40,000
Date Submitted: December 2013

Account: **Team Science** (PIs: Jim, McLeod)
Dates: 02/14/2014 – 02/13/2015
Source: Moffitt Intramural Team Science

Title: Improving Prediction of Acute and Delayed Chemotherapy-Induced Nausea and Vomiting
% Effort: 5%
Role in the Study: Co-Investigator
Total Direct Costs: \$145,885
Total Amount of Award: \$145,885
Date Submitted: December 2013

Account: **5U54CA153509-05** (PI: Meade/Gwede)
Dates: 09/03/2010 – 08/31/2015
Source: NIH/NCI
Title: Tampa Bay Community Cancer Network (TBCCN): A Community Network Program Center
% Effort: 4%
Role in the Study: Co-Investigator
Total Amount of Award: \$465,894

Account: **4BB09** (PI: Gwede)
Dates: 12/11/2013 – 11/30/2015
Source: Bankhead-Coley Cancer Research Program
Title: Latinos CARES (Colorectal Cancer Awareness, Research and Screening) Project
% Effort: 2%
Role in the Study: Co-Investigator
Total Amount of Award: \$354,694

Account #: **5 K07 CA138499-05** (PI: Jim)
Dates: 09/25/2009 – 08/31/2014
Source: NCI
Title: Genetic Predictors of Cognitive Functions, Depression, and Fatigue in Cancer
% Effort: 2%
Role: Statistical Co-Investigator
Total Direct Costs: \$537,998
Total Amount of Award: \$581,037

Account #: **5R01 CA098803-09** (PI: Giuliano)
Dates: 09/27/2004 – 11/30/2014
Source: NIH
Title: Natural History of HPV Infection in Men: The HIM Study
% Effort: 4.75%
Role: Statistical Co-Investigator
Total Direct Costs: \$7,588,502
Total Amount of Award: \$10,688,810

Account #: **5U19 CA 148112-04** (PI: Sellers)
Dates: 07/02/2010 – 06/30/2014
Source: NIH/NCI
Title: Follow-up of Ovarian Cancer Genetic Association and Interaction Studies (Project 1)
% Effort: 10%

Role: Co-Investigator
Total Direct Costs: \$8,333,999
Total Amount of Award: \$9,892,844

Account #: **1 R21 AI101417-01** (PI: Nyitray)
Dates: 08/01/2012 – 07/31/2014
Source: NIH/NCI
Title: Factors Associated with Persistent Anal Human Papillomavirus Infection Among Men
% Effort: 0%
Role in the Study: Co-Investigator
Total Direct Costs: \$175,000
Total Amount of Award: \$294,875

Account #: **W81XWH1210113, P00001** (PI: Park)
Dates: 05/01/2012 – 04/30/2015
Source: Department of Defense
Title: Genetic and Epigenetic Biomarkers for Recurrent Prostate Cancer after Radiotherapy
% Effort: 5%
Role: Co-Investigator
Total Direct Costs: \$75,000
Total Amount of Award: \$125,250

Account #: **39582** (PI: Giuliano)
Dates: 06/01/2012 – 05/31/2013
Source: Merck & Co., Inc.
Title: Preparedness Study to Test the Future Efficacy of HPV Vaccine to Reduce HIV Infection
% Effort: 0%
Role in the Study: Co-Investigator
Total Direct Costs: \$521,708
Total Amount of Award: \$555,923

Account #: **5R01 CA143094-03** (PI: Lynch)
Dates: 05/01/2011 – 04/30/2015 (Effort completed 04/30/2013)
Source: NIH
Title: Host MMP-mediated regulation of the vicious cycle of bone metastases
% Effort: 5%
Role in the Study: Co-Investigator
Total Direct Costs: \$820,524
Total Amount of Award: \$1,370,275

Account #: **5R01 CA154596-03** (PI: Simmons)
Dates: 03/01/2011 – 02/29/2016 (Effort completed 03/30/2013)
Source: NIH/NCI
Title: Smoking Relapse-Prevention Intervention for Cancer Patients
% Effort: 5%
Role in the Study: Statistical Co-Investigator
Total Direct Costs: \$1,373,231
Total Amount of Award: \$2,293,296

Account #: **Moffitt Activity 69-160202-01-01** (PI: Giuliano)
Dates: 11/01/2009 – 10/31/2012
Source: V. Foundation
Title: Viruses in Pulmonary Cancer (VIP) Causes
% Effort: 5%
Role: Co-Investigator
Total Direct Costs: \$363,636
Total Amount of Award: \$400,000

Account #: **Moffitt Activity 02-25860-11-08** (PI: Rollison)
Dates: 04/01/2011 – 09/30/2012
Source: CMRC
Title: Incident and Persistent Cutaneous HPV and Polyomavirus Infections in Healthy Individuals
% Effort: 5%
Role in the Study: Co-Investigator
Total Amount of Award: \$195,224

Account #: **09BR01** (PI: Park)
Dates: 07/01/2009 – 06/30/2012
Source: Bankhead Coley (sub from U. of Miami)
Title: Epigenetic Analysis and Outcome of Head & Neck Squamous Cell Cancer
% Effort: 6%
Role: Statistical Co-Investigator
Total Direct Costs: \$82,512.15
Total Amount of Award: \$90,762.85

Account #: **09KN-15** (PI: Schabath)
Dates: 07/01/2009 – 06/30/2012
Source: State of FL James & Esther King
Title: Molecular Epidemiology of Lung Cancer Survival: A Pathway Approach
% Effort: 3%
Role: Statistical Co-Investigator
Total Direct Costs: \$340,910
Total Amount of Award: \$375,000

Account #: **38237** (PI: Giuliano)
Dates: 07/01/2010 – 06/30/2012
Source: Merck & Co., Inc.
Title: A Study of the Natural History of Oral HPV Infection among Men Participating in a Multi-national Study: The HIM Study
% Effort: 0%
Role in the Study: Co-Investigator

Account #: **CMRC Internal Funding** (PI: Weber)
Dates: 04/01/2011 – 03/31/2012
Source: Moffitt Foundation
Title: Donald A. Adam Comprehensive Melanoma Research Center (CMRC)

% Effort: 0%
Role: Co-Investigator
Total Direct Costs: \$195,224
Total Amount of Award: \$195,224

Account #: **5R01 CA114343-05** (PI: Sellers) ARRA
Dates: 03/15/2007 – 02/29/2012
Source: NIH/NCI
Title: Haplotype-based Genome Screen for Ovarian Cancer Loci
% Effort: 5%
Role: Statistical Co-Investigator
Total Direct Costs: \$4,931,860.01
Total Amount of Award: \$7,200,178

Account #: **5P30 CA076292-13** (PI: Dalton)
Dates: 02/18/2007 – 01/31/2012
Source: NIH/NCI
Title: H. Lee Moffitt Cancer Center and Research Institute Support Grant
% Effort: 15%
Role: Statistical Co-Investigator
Total Direct Costs: \$8,253,224
Total Amount of Award: \$13,641,447

Account #: **Moffitt Activity 84-15828-901** (PI: Nytray)
Dates: 03/26/2009 – 03/25/2011
Source: Merck & Co. Inc.
Title: Incidence and Persistence of Anal HPV in Heterosexual Men
% Effort: 5%
Role: Statistical Co-Investigator
Total Direct Costs: \$80,002

Account #: **UF-EIES-0934003-MCC** (PI: Szabunio)
Dates: 03/01/2009 – 02/28/2011
Source: University of Florida
Title: Assessing Breast Cancer Risk by Diffuse Optical Tomography
% Effort: 5%
Role: Statistical Co-Investigator
Total Direct Costs: \$30,133

Account #: **1RG-93-092-14** (PI: Lin/ Pledger)
Dates: 06/01/2009 - 11/30/2010
Source: Moffitt/ACS-IRG
Title: Genetic Variations in Angiogenesis-related Genes in Prostate Cancer Aggressiveness

% Effort: 5%
Role: Co-Principal Investigator
Total Direct Costs: \$30,000

Account #: **6403-1056-00C** (PI: Chen)
Dates: 03/22/2010 – 07/22/2010
Source: NIH/USF
Title: Biostatistics in Medical and Health Research via Clinical Trials and

Epidemiology
% Effort 3%
Role: Co-Investigator
Total Direct Costs: \$54,000

Account #: **5P30 CA076292-11** (PI: Lancaster)
Dates: 08/01/2009 – 07/31/2010
Source: Anna Valentine pre-SPORE/P01 award
Title: miRNA-based Strategies to Personalize Care for Women with Ovarian Cancer Chemotherapy

% Effort 5%
Role: Statistical Co-Investigator
Total Direct Costs: \$24,912.98
Total Amount of Award: \$41,605.05

University of Alabama at Birmingham (2006-2008)

Completed

Account #: **K23 MH082641** (PI: Mugavero)
Dates: 12/01/2007 – 11/30/2012
Source: NIH
Title: Adherence to HIV Care: Advancing the Science
Role: Biostatistician

Account #: **CA089019-06-A2** (PI: Bland)
Dates: 09/01/2007 – 08/31/2012
Source: NIH
Title: SPORE in Breast Cancer
Role: Biostatistician

Account #: **HHS-N-260-2005-00008-C** (PI: Boppana)
Dates: 07/01/2005 – 06/30/2012
Source: NCI/ HHS/ PHS/NIH
Title: The Natural History of CMV-Related Hearing Loss and the Feasibility of CMV Screening as Adjunct to Hearing Screening in the Newborn
Role: Primary biostatistician to assist experimental design and provide statistical consultation

Account #: **R01 CA121187** (PI: Curiel)
Dates: 07/05/2007 – 05/31/2012
Source: NIH/NCI
Title: Monitoring of Advanced Virotherapy for Ovarian Cancer
Role: Biostatistician

Account #: **P30 DK56336** (PI: Allison)
Dates: 06/01/2007 – 05/31/2012
Source: NIH/NIDDK
Title: UAB Clinical Nutrition Research Unit (CNRU)
Role: Biostatistician

Account #: **R01 CA123197** (PI: Zhou/LoBuglio)
Dates: 02/01/2008 – 01/31/2012
Source: NIH / NCI
Title: Death Receptor-mediated Apoptosis and Therapy Strategies in Ovarian

Role: Cancer
Biostatistician

Account #: **H133A060039** (PI: Chen)
Dates: 10/01/2006 – 09/30/2011
Source: NIDRR
Title: National Spinal Cord Injury Statistical Center
Role: Biostatistician

Account #: **P30 CA-13148** (PI: Partridge)
Dates: 04/01/2005 – 03/31/2010
Source: NIH/ NCI
Title: UAB Cancer Center Core Support Grant
Role: Statistician to provide biostatistics support for the Biostatistics Shared Facility

Account #: **R01 NS48353** (PI: Carroll)
Dates: 12/01/2004 – 11/30/2009
Source: NIH/NINDS
Title: Role of Neuregulin-1 in Schwann Cell Neoplasia
Role: Biostatistician

Account #: **1P30 AR050948** (PI: Elmets)
Dates: 08/01/2004 – 04/30/2009
Source: NIH/NIAMS
Title: UAB Skin Disease Research Center
Role: Biostatistician

Account #: **N01 CN 15136 MAO** (PI: Elmets)
Dates: 10/01/2002 – 09/29/2008
Source: NCI
Title: A Phase IIb Randomized, Double-Blind Project, Placebo Controlled Clinical Trial of Topical Bacteriophage T4 Endonuclease V in Organ Allograft Recipients with Actinic Keratoses
Role: Biostatistician

Account #: **U54 CA100949** (PI: Barnes)
Dates: 09/09/2003 – 08/31/2008
Source: NIH/NCI
Title: Center for Nutrient-Gene Interaction in Cancer Prevention
Role: Biostatistician of the Biostatistics/Bioinformatics Core Component

Account #: **P30 AI 27767** (PI: Saag)
Dates: 03/01/2003 – 02/28/2008
Source: NIH
Title: Birmingham Center for AIDS Research
Role: Biostatistician

Account #: **1R01 CA098932** (PI: Manne)
Dates: 12/01/2002 – 11/03/2007
Source: NCI
Title: Prognostic Molecular Markers Colorectal Cancer

Role: Biostatistician

Account #: (PI: Soong)
Dates: 05/01/2006 – 07/30/2007
Source: AJCC
Title: International Evidence-based Assessment of the Melanoma Staging System
Role: Biostatistician

Account #: **1 R01 DE 13694-01A1** (PI: Mestecky)
Dates: 08/01/2002 – 06/30/2007
Source: NIH/NIDCR
Title: Periodontal Disease: Role of Aberrant Ig Glycosylation
Role: Biostatistician

Patents

Determining Prostate Cancer Recurrence Using Polymorphisms in Angiogenesis-related Genes (PCT serial number: PCT/US2013/040337, May 9 2013)

Service

National Institute & Academic Association

May. 2016 Reviewer, NASA-European Space Agency (ESA) Artificial Gravity Bed Rest, the Behavioral Medicine (BMED) panel, National Aeronautics and Space Administration's (NASA) Human Research Program: 9 grant applications.

Feb. 2016 Reviewer, NASA/NSBRI Crew Health Research Announcement, the Behavioral Medicine (BMED) panel, National Aeronautics and Space Administration's (NASA) Human Research Program: 12 grant applications.

Mar. 2015 Reviewer, NASA/National Space Biomedical Research Institute (NSBRI) Crew Health Research Announcement, the Behavioral Medicine (BMED) panel, National Aeronautics and Space Administration's (NASA) Human Research Program: 11 grant applications.

Mar. 2014 Reviewer, the Immunology review panel, National Aeronautics and Space Administration's (NASA) Human Research Program.

Mar. 2014 Abstract Reviewer, the Applied Public Health Statistics program, American Public Health Association's (APHA) annual meeting.

LSU Health Sciences Center

Dec. 2016-present Graduate Coordinator, Biostatistics Program, School of Public Health

Nov. 2015-present School of Public Health Curriculum Committee

Nov. 2017 Poster Judge, LSUHSC Graduate Research Day

Nov. 2015 Poster Judge, LSUHSC Graduate Research Day

Moffitt Cancer Center

Committees:

- 2012- Sep. 2015 **Committee Member** Laurel Board (biomarker studies), Scientific Review Committee (SRC) for Clinical Protocol Review & Monitoring System, monthly meeting
- 2009-Sep. 2015 **Committee Member**, Magnolia Board (clinical trials), Scientific Review Committee (SRC) for Clinical Protocol Review & Monitoring System, monthly meeting
- Dec. 2014 **Committee Member**, Junior Faculty Research Award - Basic & Population Selection Committee.
- Feb. 2014 **Committee Member**, Pilot Research Grants in Personalized Medicine. DeBartolo Family Personalized Medicine Institute At Moffitt Cancer Center

Grant Review:

- Nov. 2014 Moffitt ACS-IRG grant, cycle 36
- Apr. 2014 Moffitt ACS-IRG grant, cycle 35
- Feb. 2014 Pilot Research Grants in Personalized Medicine
- Oct.2013 Moffitt American Cancer Society – Institutional Research Grant (ACS-IRG) grant, cycle 34
- Jun. 2013 Moffitt ACS-IRG grant, cycle 33
- Dec. 2012 Moffitt ACS-IRG grant, cycle 32
- Jun. 2012 Moffitt ACS-IRG grant, cycle 31
- Dec. 2011 Moffitt ACS-IRG grant, cycle 30
- Jun. 2011 Moffitt ACS-IRG grant, cycle 29
- Jun. 2010 Health Disparities Pilot Grant Program
- Oct. 2009 Moffitt ACS-IRG grant, cycle 28

Service at University of Alabama at Birmingham

Committees:

- 2006-2008 UAB Cancer Center Clinical Trial Protocol Review Committee

Profession:

- Mar. 2013 **Poster judge**, the Advisory Board Poster Award Competition, the annual Eastern North American Region (ENAR) of the International Biometric Society meeting, Orlando FL.
- Apr. 2012 **Poster judge**, the Advisory Board Poster Award Competition, the annual Eastern North American Region (ENAR) of the International Biometric Society meeting, Washington D.C.
- 2012- present **Member**, Program Committee, Gene Environment Interaction Workgroup, The Genomics Forum of APHA
- Feb. 2011 **Committee**, 2011 Florida Chapter American Statistical Association Meeting
- Assisted organizing chapter meeting
 - Chair of the presentation award
- Dec. 2009 **Grant reviewer**, The Agency for Science, Technology and Research (A*STAR) lead government agency for promoting and supporting R&D in Singapore

Jun. 2009 **Grant reviewer**, the NIH Challenge Grants in Health and Science Research

Journal Reviewer:

2016	Journal of Health Psychology
2016	Clinical Oncology
2015-present	Journal of the Neurological Sciences
2014-present	PLoS One
2013-present	Cancer Epidemiology, Biomarkers & Prevention
2013-present	Journal of Research and Reports in Urology
2013-present	British Medical Journal (BMJ) Open
2013-present	Cancer Control Journal
2013-present	Health Behavior and Policy Review (Associated Editor)
2013-present	Journal of Rural Health
2012-present	BMC Bioinformatics
2012-present	Annals of Surgical Oncology
2011-present	BMC Medical Genetics
2011-present	American Journal of Health Behavior (Review Board)
2011-present	International Journal of Science in Society
2011-present	Human Genetics
2010-present	Journal of Human Genetics
2010-present	Medical Problems of Performing Artists
2009-present	Journal of Clinical Oncology
2009-present	Biometrics
2009-present	The Oncologist
2008-present	Computational Statistics and Data Analysis

Professional Association Memberships

2013-present	Member, American Association of Cancer Research
2012-present	Member, American Society of Human Genetics
2004-present	Member, American Public Health Association (APHA)
2002-present	Member, American Statistical Association
1994-present	Honorary Member, the Phi Tau Phi Scholastic Honor Society

Peer-Reviewed Publications (126 papers)

1. Chen DT, Huang PY, **Lin HY**, Chiappori AA, Gabrilovich DI, Haura EB, Antonia SJ, Gray JE. A Bayesian pick-the-winner design in a randomized phase II clinical trial. *Oncotarget*. In press. 2017
2. Lophatananon A, Stewart-Brown S, Kote-Jarai Z, Olama AAA, Garcia SB, Neal DE, Hamdy FC, Donovan JL, Giles GG, Fitzgerald LM, Southey MC, Pharoah P, Pashayan N, Gronberg H, Wiklund F, Aly M, Stanford JL, Brenner H, Dieffenbach AK, Arndt V, Park JY, **Lin HY**, Sellers T, Slavov C, Kaneva R, Mitev V, Batra J, Spurdle A, Clements JA, BioResource A, consortium P, Easton D, Eeles RA, Muir K. Height, selected genetic markers and prostate cancer risk: results from the PRACTICAL consortium. *Br J Cancer*. 2017;117(5):734-43. PubMed PMID: 28765617; PMCID: PMC5572182.
3. Lindstrom S, Finucane H, Bulik-Sullivan B, Schumacher FR, Amos CI, Hung RJ, Rand K, Gruber SB, Conti D, Permut JB, **Lin HY**, Goode EL, Sellers TA, Amundadottir LT, Stolzenberg-Solomon R, Klein A, Petersen G, Risch H, Wolpin B, Hsu L, Huyghe JR, Chang-Claude J, Chan A, Berndt S, Eeles R, Easton D, Haiman CA, Hunter DJ, Neale B, Price AL, Kraft P, PanScan G, the Game-On Network: Corect DEF, Tricl I. Quantifying the Genetic Correlation between Multiple Cancer Types.

- Cancer Epidemiol Biomarkers Prev. 2017;26(9):1427-35. PubMed PMID: 28637796; PMCID: PMC5582139.
4. Mattingly AE, Mooney B, **Lin HY**, Kiluk JV, Khakpour N, Hoover SJ, Laronga C, Lee MC. Magnetic Resonance Imaging for Axillary Breast Cancer Metastasis in the Neoadjuvant Setting: A Prospective Study. *Clin Breast Cancer*. 2017;17(3):180-7. doi: 10.1016/j.clbc.2016.11.004. PubMed PMID: 27956116.
 5. Luu HN, **Lin HY**, Sorensen KD, Ogunwobi OO, Kumar N, Chornokur G, Phelan C, Jones D, Kidd L, Batra J, Yamoah K, Berglund A, Rounbehler RJ, Yang M, Lee SH, Kang N, Kim SJ, Park JY, Di Pietro G. miRNAs associated with prostate cancer risk and progression. *BMC Urol*. 2017;17(1):18. PubMed PMID: 28320379; PMCID: PMC5359825.
 6. Gonzalez SJ, Mooney B, Lin HY, Zhao X, Kiluk JV, Khakpour N, Laronga C, Lee MC. 2-D and 3-D Ultrasound for Tumor Volume Analysis: A Prospective Study. *Ultrasound Med Biol*. 2017;43(4):775-81. PubMed PMID: 28187928.
 7. **Lin HY**, Chen DT, Huang PY, Liu YH, Ochoa A, Zabaleta J, Mercante DE, Fang Z, Sellers TA, Pow-Sang JM, Cheng CH, Eeles R, Easton D, Kote-Jarai Z, Amin Al Olama A, Benlloch S, Muir K, Giles GG, Wiklund F, Gronberg H, Haiman CA, Schleutker J, Nordestgaard BG, Travis RC, Hamdy F, Pashayan N, Khaw KT, Stanford JL, Blot WJ, Thibodeau SN, Maier C, Kibel AS, Cybulski C, Cannon-Albright L, Brenner H, Kaneva R, Batra J, Teixeira MR, Pandha H, Lu YJ, Consortium P, Park JY. SNP interaction pattern identifier (SIPI): an intensive search for SNP-SNP interaction patterns. *Bioinformatics*. 2017;33(6):822-33. PubMed PMID: 28039167.
 8. Tseng TS, **Lin HY**, Griffiths L, Cornwell K, Sothorn M. Sugar intake from sugar-sweetened beverage among cancer and non-cancer individuals: the NHANES study. *Translational Cancer Research*. 2016;5(Supplement 5):S1019-28.
 9. **Lin HY**, Cheng CH, Chen DT, Chen YA, Park JY. Coexpression and expression quantitative trait loci analyses of the angiogenesis gene-gene interaction network in prostate cancer. *Transl Cancer Res*. 2016;5(Suppl 5):S951-S63. PubMed PMID: 28664150; PMCID: PMC5485921.
 10. Kar SP, Beesley J, Amin Al Olama A, Michailidou K, Tyrer J, Kote-Jarai Z, Lawrenson K, Lindstrom S, Ramus SJ, Thompson DJ, Investigators A, Kibel AS, Dansonka-Mieszkowska A, Michael A, Dieffenbach AK, Gentry-Maharaj A, Whittemore AS, Wolk A, Monteiro A, Peixoto A, Kierzek A, Cox A, Rudolph A, Gonzalez-Neira A, Wu AH, Lindblom A, Swerdlow A, Group AS, Australian Cancer S, BioResource A, Ziogas A, Ekici AB, Burwinkel B, Karlan BY, Nordestgaard BG, Blomqvist C, Phelan C, McLean C, Pearce CL, Vachon C, Cybulski C, Slavov C, Stegmaier C, Maier C, Ambrosone CB, Hogdall CK, Teerlink CC, Kang D, Tessier DC, Schaid DJ, Stram DO, Cramer DW, Neal DE, Eccles D, Flesch-Janys D, Edwards DR, Wokozorczyk D, Levine DA, Yannoukakos D, Sawyer EJ, Bandera EV, Poole EM, Goode EL, Khusnutdinova E, Hogdall E, Song F, Bruinsma F, Heitz F, Modugno F, Hamdy FC, Wiklund F, Giles GG, Olsson H, Wildiers H, Ulmer HU, Pandha H, Risch HA, Darabi H, Salvesen HB, Nevanlinna H, Gronberg H, Brenner H, Brauch H, Anton-Culver H, Song H, **Lin HY**, McNeish I, Campbell I, Vergote I, Gronwald J, Lubinski J, Stanford JL, Benitez J, Doherty JA, Permuth JB, Chang-Claude J, Donovan JL, Dennis J, Schildkraut JM, Schleutker J, Hopper JL, Kupryjanczyk J, Park JY, Figueroa J, Clements JA, Knight JA, Peto J, Cunningham JM, Pow-Sang J, Batra J, Czene K, Lu KH, Herkommer K, Khaw KT, kConFab I, Matsuo K, Muir K, Offitt K, Chen K, Moysich KB, Aittomaki K, Odunsi K, Kiemeny LA, Massuger LF, Fitzgerald LM, Cook LS, Cannon-Albright L, Hooning MJ, Pike MC, Bolla MK, Luedeke M, Teixeira MR, Goodman MT, Schmidt MK, Riggan M, Aly M, Rossing MA, Beckmann MW, Moisse M, Sanderson M, Southey MC, Jones M, Lush M, Hildebrandt MA, Hou MF, Schoemaker MJ, Garcia-Closas M, Bogdanova N, Rahman N, Investigators N, Le ND, Orr N, Wentzensen N, Pashayan N, Peterlongo P, Guenel P, Brennan P, Paulo P, Webb PM, Broberg P, Fasching PA, Devilee P, Wang Q, Cai Q, Li Q, Kaneva R, Butzow R, Kopperud RK, Schmutzler RK, Stephenson RA, MacInnis RJ, Hoover RN, Winqvist R, Ness R, Milne RL, Travis RC, Benlloch S, Olson SH, McDonnell SK, Tworoger SS, Maia S, Berndt S, Lee SC, Teo SH, Thibodeau SN, Bojesen SE, Gapstur SM, Kjaer SK, Pejovic T, Tammela TL, Network G, consortium P, Dork T, Bruning T,

- Wahlfors T, Key TJ, Edwards TL, Menon U, Hamann U, Mitev V, Kosma VM, Setiawan VW, Kristensen V, Arndt V, Vogel W, Zheng W, Sieh W, Blot WJ, Kluzniak W, Shu XO, Gao YT, Schumacher F, Freedman ML, Berchuck A, Dunning AM, Simard J, Haiman CA, Spurdle A, Sellers TA, Hunter DJ, Henderson BE, Kraft P, Chanock SJ, Couch FJ, Hall P, Gayther SA, Easton DF, Chenevix-Trench G, Eeles R, Pharoah PD, Lambrechts D. Genome-Wide Meta-Analyses of Breast, Ovarian, and Prostate Cancer Association Studies Identify Multiple New Susceptibility Loci Shared by at Least Two Cancer Types. *Cancer Discov.* 2016;6(9):1052-67. doi: 10.1158/2159-8290.CD-15-1227. PubMed PMID: 27432226; PMCID: PMC5010513.
11. Christy SM, Davis SN, Williams KR, Zhao X, Govindaraju SK, Quinn GP, Vadaparampil ST, **Lin HY**, Sutton SK, Roethzheim RR, Shibata D, Meade CD, Gwede CK. A community-based trial of educational interventions with fecal immunochemical tests for colorectal cancer screening uptake among blacks in community settings. *Cancer.* 2016;122(21):3288-96. doi: 10.1002/cncr.30207. PubMed PMID: 27420119; PMCID: PMC5073009.
 12. Southey MC, Goldgar DE, Winqvist R, . . . , **Lin HY**, Permuth JB, Sellers TA, Chen YA, Tsai YY, Chen Z, Gentry-Maharaj A, Gayther SA, Ramus SJ, Menon U, Wu AH, Pearce CL, Van Den Berg D, Pike MC, Dansonka-Mieszkowska A, Plisiecka-Halasa J, Moes-Sosnowska J, Kupryjanczyk J, Pharoah PD, Song H, Winship I, Chenevix-Trench G, Giles GG, Tavgigian SV, Easton DF, Milne RL. PALB2, CHEK2 and ATM rare variants and cancer risk: data from COGS. *J Med Genet.* 2016;53(12):800-11. PubMed PMID: 27595995; PMCID: PMC5200636.
 13. Diaz DB, Brandon TH, Sutton SK, Meltzer LR, Hoehn HJ, Meade CD, Jacobsen PB, McCaffrey JC, Haura EB, **Lin HY**, Simmons VN. Smoking relapse-prevention intervention for cancer patients: Study design and baseline data from the surviving SmokeFree randomized controlled trial. *Contemp Clin Trials.* 2016;50:84-9. doi: 10.1016/j.cct.2016.07.015. PubMed PMID: 27468664.
 14. Chen DT, Huang PY, **Lin HY**, Haura EB, Antonia SJ, Cress WD, Gray JE. Strategies for power calculations in predictive biomarker studies in survival data. *Oncotarget.* 2016;7(49):80373-81. doi: 10.18632/oncotarget.12124. PubMed PMID: 27661007; PMCID: PMC5348326.
 15. Kar SP, Beesley J, Amin Al Olama A, Michailidou K, Tyrer J, Kote-Jarai Z, Lawrenson K, Lindstrom S, Ramus SJ, Thompson DJ, Investigators A, Kibel AS, Dansonka-Mieszkowska A, Michael A, Dieffenbach AK, Gentry-Maharaj A, Whittemore AS, Wolk A, Monteiro A, Peixoto A, Kierzek A, Cox A, Rudolph A, Gonzalez-Neira A, Wu AH, Lindblom A, Swerdlow A, Group AS, Australian Cancer S, BioResource A, Ziogas A, Ekici AB, Burwinkel B, Karlan BY, Nordestgaard BG, Blomqvist C, Phelan C, McLean C, Pearce CL, Vachon C, Cybulski C, Slavov C, Stegmaier C, Maier C, Ambrosone CB, Hogdall CK, Teerlink CC, Kang D, Tessier DC, Schaid DJ, Stram DO, Cramer DW, Neal DE, Eccles D, Flesch-Janys D, Edwards DR, Wokozorczyk D, Levine DA, Yannoukakos D, Sawyer EJ, Bandera EV, Poole EM, Goode EL, Khusnutdinova E, Hogdall E, Song F, Bruinsma F, Heitz F, Modugno F, Hamdy FC, Wiklund F, Giles GG, Olsson H, Wildiers H, Ulmer HU, Pandha H, Risch HA, Darabi H, Salvesen HB, Nevanlinna H, Gronberg H, Brenner H, Brauch H, Anton-Culver H, Song H, **Lim HY**, McNeish I, Campbell I, Vergote I, Gronwald J, Lubinski J, Stanford JL, Benitez J, Doherty JA, Permuth JB, Chang-Claude J, Donovan JL, Dennis J, Schildkraut JM, Schleutker J, Hopper JL, Kupryjanczyk J, Park JY, Figueroa J, Clements JA, Knight JA, Peto J, Cunningham JM, Pow-Sang J, Batra J, Czene K, Lu KH, Herkommer K, Khaw KT, kConFab I, Matsuo K, Muir K, Offitt K, Chen K, Moysich KB, Aittomaki K, Odunsi K, Kiemeny LA, Massuger LF, Fitzgerald LM, Cook LS, Cannon-Albright L, Hooning MJ, Pike MC, Bolla MK, Luedeke M, Teixeira MR, Goodman MT, Schmidt MK, Riggan M, Aly M, Rossing MA, Beckmann MW, Moisse M, Sanderson M, Southey MC, Jones M, Lush M, Hildebrandt MA, Hou MF, Schoemaker MJ, Garcia-Closas M, Bogdanova N, Rahman N, Investigators N, Le ND, Orr N, Wentzensen N, Pashayan N, Peterlongo P, Guenel P, Brennan P, Paulo P, Webb PM, Broberg P, Fasching PA, Devilee P, Wang Q, Cai Q, Li Q, Kaneva R, Butzow R, Kopperud RK, Schmutzler RK, Stephenson RA, MacInnis RJ, Hoover RN, Winqvist R, Ness R, Milne RL, Travis RC, Benlloch S, Olson SH, McDonnell SK, Tworoger SS, Maia S, Berndt S, Lee SC, Teo SH, Thibodeau SN, Bojesen SE,

- Gapstur SM, Kjaer SK, Pejovic T, Tammela TL, Network G, consortium P, Dork T, Bruning T, Wahlfors T, Key TJ, Edwards TL, Menon U, Hamann U, Mitev V, Kosma VM, Setiawan VW, Kristensen V, Arndt V, Vogel W, Zheng W, Sieh W, Blot WJ, Kluzniak W, Shu XO, Gao YT, Schumacher F, Freedman ML, Berchuck A, Dunning AM, Simard J, Haiman CA, Spurdle A, Sellers TA, Hunter DJ, Henderson BE, Kraft P, Chanock SJ, Couch FJ, Hall P, Gayther SA, Easton DF, Chenevix-Trench G, Eeles R, Pharoah PD, Lambrechts D. Genome-Wide Meta-Analyses of Breast, Ovarian, and Prostate Cancer Association Studies Identify Multiple New Susceptibility Loci Shared by at Least Two Cancer Types. *Cancer Discov.* 2016;6(9):1052-67. doi: 10.1158/2159-8290.CD-15-1227. PubMed PMID: 27432226; PMCID: PMC5010513.
16. Permeth JB, Pirie A, Ann Chen Y, **Lin HY**, Reid BM, Chen Z, Monteiro A, Dennis J, Mendoza-Fandino G, Group AS, Australian Cancer S, Anton-Culver H, Bandera EV, Bisogna M, Brinton L, Brooks-Wilson A, Carney ME, Chenevix-Trench G, Cook LS, Cramer DW, Cunningham JM, Cybulski C, D'Aloisio AA, Anne Doherty J, Earp M, Edwards RP, Fridley BL, Gayther SA, Gentry-Maharaj A, Goodman MT, Gronwald J, Hogdall E, Iversen ES, Jakubowska A, Jensen A, Karlan BY, Kelemen LE, Kjaer SK, Kraft P, Le ND, Levine DA, Lissowska J, Lubinski J, Matsuo K, Menon U, Modugno R, Moysich KB, Nakanishi T, Ness RB, Olson S, Orlov I, Pearce CL, Pejovic T, Poole EM, Ramus SJ, Anne Rossing M, Sandler DP, Shu XO, Song H, Taylor JA, Teo SH, Terry KL, Thompson PJ, Tworoger SS, Webb PM, Wentzensen N, Wilkens LR, Winham S, Woo YL, Wu AH, Yang H, Zheng W, Ziogas A, Phelan CM, Schildkraut JM, Berchuck A, Goode EL, Pharoah PD, Sellers TA, Ovarian Cancer Association C. Exome genotyping arrays to identify rare and low frequency variants associated with epithelial ovarian cancer risk. *Hum Mol Genet.* 2016;25(16):3600-12. doi: 10.1093/hmg/ddw196. PubMed PMID: 27378695; PMCID: PMC5179948.
17. Wu ES, Park JY, Zeitouni JA, Gomez CR, Reis IM, Zhao W, Kwon D, Lee E, Nelson OL, **Lin HY**, Franzmann EJ, Savell J, McCaffrey TV, Goodwin WJ, Hu JJ. Effect of actionable somatic mutations on racial/ethnic disparities in head and neck cancer prognosis. *Head Neck.* 2016;38(8):1234-41. doi: 10.1002/hed.24420. PubMed PMID: 27028310.
18. Winham SJ, Pirie A, Chen YA, Larson MC, Fogarty ZC, Earp MA, Anton-Culver H, Bandera EV, Cramer D, Doherty JA, Goodman MT, Gronwald J, Karlan BY, Kjaer SK, Levine DA, Menon U, Ness RB, Pearce CL, Pejovic T, Rossing MA, Wentzensen N, Bean YT, Bisogna M, Brinton LA, Carney ME, Cunningham JM, Cybulski C, deFazio A, Dicks EM, Edwards RP, Gayther SA, Gentry-Maharaj A, Gore M, Iversen ES, Jensen A, Johnatty SE, Lester J, **Lin HY**, Lissowska J, Lubinski J, Menkiszak J, Modugno F, Moysich KB, Orlov I, Pike MC, Ramus SJ, Song H, Terry KL, Thompson PJ, Tyrer JP, van den Berg DJ, Vierkant RA, Vitonis AF, Walsh C, Wilkens LR, Wu AH, Yang H, Ziogas A, Berchuck A, Georgia Chenevix-Trench on behalf of Australian Ovarian Cancer Study G, Schildkraut JM, Permeth-Wey J, Phelan CM, Pharoah PD, Fridley BL, Sellers TA, Goode EL. Investigation of Exomic Variants Associated with Overall Survival in Ovarian Cancer. *Cancer Epidemiol Biomarkers Prev.* 2016;25(3):446-54. PubMed PMID: 26747452; PMCID: PMC4779669.
19. Sudenga SL, Ingles DJ, Pierce Campbell CM, **Lin HY**, Fulp WJ, Messina JL, Stoler MH, Abrahamsen M, Villa LL, Lazcano-Ponce E, Giuliano AR. Genital Human Papillomavirus Infection Progression to External Genital Lesions: The HIM Study. *Eur Urol.* 2016;69(1):166-73. PubMed PMID: 26051441; PMCID: PMC4670812.
20. Pierce Campbell CM, Viscidi RP, Torres BN, **Lin HY**, Fulp W, Abrahamsen M, Lazcano-Ponce E, Villa LL, Kreimer AR, Giuliano AR. Human Papillomavirus (HPV) L1 Serum Antibodies and the Risk of Subsequent Oral HPV Acquisition in Men: The HIM Study. *J Infect Dis.* 2016;214(1):45-8. PubMed PMID: 26931445; PMCID: PMC4907411.
21. Nyitray AG, Carvalho da Silva RJ, Chang M, Baggio ML, Ingles DJ, Abrahamsen M, Papenfuss M, **Lin HY**, Salmeron J, Quiterio M, Lazcano-Ponce E, Villa LL, Giuliano AR. Incidence, Duration, Persistence, and Factors Associated With High-risk Anal Human Papillomavirus Persistence Among

- HIV-negative Men Who Have Sex With Men: A Multinational Study. *Clin Infect Dis*. 2016;62(11):1367-74. PubMed PMID: 26962079; PMCID: PMC4872291.
22. Menezes LJ, Poongulali S, Tommasino M, **Lin HY**, Kumarasamy N, Fisher KJ, Saravanan S, Gheit T, Ezhilarasi C, Jeeva A, Lu B, Giuliano AR. Prevalence and concordance of human papillomavirus infection at multiple anatomic sites among HIV-infected women from Chennai, India. *Int J STD AIDS*. 2016;27(7):543-53. PubMed PMID: 26002318.
 23. Markow M, Bui MM, **Lin HY**, Lloyd M, Sexton WJ, Dhillon J. Evaluation of PAX8 Expression and Its Potential Diagnostic and Prognostic Value in Renal and Extra-Renal Ewing Sarcomas/PNETs. *Pathol Oncol Res*. 2016;22(1):115-20. PubMed PMID: 26350056.
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Scientific Abstracts/Poster Presentations/Plenary Presentations:

1. **Lin HY**, Huang PY, Cheng CH, Chen A, Tung HY, Park J. SNP-SNP interactions of KLK3 associated with prostate cancer aggressiveness. American Public Health Association (APHA) Annual Meeting, Atlanta, GA. 2017, Nov. 2017. (poster)
2. Tseng TS, Yang, S, Behrhorst D, Chiu YW, Hu CY, Lin HY. Gender and age disparities in relationship of acculturation, sugar-sweetened beverages consumption and obesity among Latino immigrants. APHA Annual Meeting, Atlanta, GA. 2017, Nov. 2017. (poster)
3. Tung HY, Park J, Cheng CH, Chen A, **Lin HY**. Impact of Gene-Gene Interactions on Aggressive Prostate Cancer in African Americans. Louisiana State Univ. Health Sciences Center Graduate Research Day, New Orleans, LA. 2017, Nov. (poster)
4. Tung HY, Park J, Cheng CH, Chen A, **Lin HY**. Impact of Gene-Gene Interactions on Aggressive Prostate Cancer in African Americans. The Louisiana Health Sciences Center Graduate Research Day, New Orleans, LA. Nov. 2017. (poster)
5. Tung HY, Park J, Cheng CH, Chen A, **Lin HY**. SNP-SNP interactions associated with Prostate Cancer Aggressiveness in African Americans. American Society of Human Genetics, Annual Meeting, Orlando, FL. 2017, Oct. 2017. (poster)
6. Tung HY, **Lin HY**. Use a novel statistical method for identifying interactions of SNP pairs associated with prostate cancer aggressiveness in African Americans. The Louisiana Chapter of the American Statistical Association (LA ASA) meeting, Lafayette, LA. Apr. 2017. (Student Research Competition award, oral).

7. Katner A, Pieper K, Parks J, Brown K, Hu C, **Lin H**, Wang X, Diaz J, Edwards M. Evaluation of prevailing flush guidelines to reduce water lead exposure. 253rd American Chemical Society National Meeting and Exposition. San Francisco, CA. April 4, 2017.
8. **Lin HY**, Huang PY, Cheng CH, Chen Ann, Tung H-Y, Park JY. Network interactions of KLK3 genetic variants associated with prostate cancer aggressiveness. Louisiana Cancer Research Center (LCRC) Scientific Retreat. New Orleans, LA. 2017, Mar. (poster)
9. **Lin HY**, Chen DT, Huang PY, Liu YH, Cheng CH, Park JY. Identifying SNP Interaction Patterns using an intensive approach. Joint Statistical Meeting (JSM). Chicago, IL. 2016, Aug. (oral)
10. **Lin HY**. Identification of SNP-SNP Interaction Patterns. Louisiana ASA chapter meeting. Lafayette, LA. 2015, Nov. (oral)
11. Tseng TS, **Lin HY**, Griffiths L, Cornwell K. Cancer status, obesity, and sugar intake from sugar-sweetened beverages: NHANES 2003-2012. The Obesity Society's Annual Meeting. New Orleans, LA. 2016, Oct.
12. **Lin HY**, Chen DT. Pattern Identification of SNP-SNP Interactions. Joint Statistical Meeting (JSM). Seattle, WA. 2015, Aug.
13. Jim H, Gonzalez B, Small B, Park J, **Lin HY**, Hicks C, Anasetti C, Jacobsen P. Genetic associations with depression and fatigue in hematopoietic cell transplant (HCT) recipients. Annual Meeting of the Society of Behavioral Medicine, San Antonio, TX. 2015, April.
14. Chen DT, **Lin HY**, Huang PY. Bayesian Approach of Two-arm Randomized Clinical Trial with the Simon Two-stage Design. The Florida Chapter American Statistical Association Meeting, Tampa, FL, Feb 2015.
15. **Lin HY**, Chen DT, Huang PY. Power Analysis of Interactions for Survival Data: Evaluation of Biomarker Predictive Effects. The Florida Chapter American Statistical Association Meeting, Tampa, FL, Feb 2015.
16. Zargar-Shoshtari K, Kim T, Simon R, **Lin HY**, Yue B, Sharma P, Spiess P, Poch M, Pow Sang J, Sexton W. Is Follow up beyond 2 Years Necessary for pT1a Renal Cell Carcinoma treated with Nephron Sparing Surgery? An Assessment of Late Recurrences and Surveillance Costs. American Urological Association (AUA)'s Annual Meeting, New Orleans, LA, May 2015.
17. Jentink KG, Sutton SK, MacQueen DA, **Lin HY**, Park JY, Drobos DJ, Evans DE. Cannabinoid CB1 Gene Variant Moderates Nicotine Withdrawal-Related Neural Endophenotypes of Cognitive Disruption. the Annual Meeting of the Cognitive Neuroscience Society. March 2015. (Poster)
18. Harrell PT, **Lin HY**, Park JY, Drobos DJ, Evans DE. Dopaminergic Genetic Variation Moderates Effect of Nicotine on Cigarette Reward Self-Report. the Annual Meeting of the College on Problems of Drug Dependence. Jun. 2015. (Poster)
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20. Zargar-Shoshtari K, Kim T, Simon R, **Lin HY**, Yue B, Sharma P, Spiess P, Poch M, Pow Sang J, Sexton W. Is Follow up beyond 2 Years Necessary for pT1a Renal Cell Carcinoma treated with Nephron Sparing Surgery? An Assessment of Late Recurrences and Surveillance Costs. Society of Urologic Oncology. Bethesda, Maryland, Dec. 2014.
21. Williams KR, Davis SN, Govindaraju S, Vadaparampil S, Quinn G, Fulp W, **Lin HY**, Shibata D, Roetzheim R, Meade CD, Gwede CK. Gender differences in family influence on colon cancer

- screening. International Symposium on Minority Health & Health Disparities (ISMHHD), National Harbor, Maryland, Dec. 2014.
22. Chornokur G, **Lin HY**, Park JY, Kumar NB, Phelan CM. Differential gene expression profiles in prostate tumors of Black and White men. The AACR Cancer Health Disparities conference. San Antonio, Texas, Nov. 2014.
 23. **Lin HY**, Fulp W, Pierce Campbell CM, Villa LL, Lazcano-Ponce E, Giuliano AR. HPV Co-infections Associated with Genital Warts: Machine Learning Approach. American Public Health Association (APHA) Annual Meeting, New Orleans LA, Nov. 2014. (oral)
 24. Wischhusen J, Davis SN, Jackson B, Govindaraju S, Williams, K, Fulp W, **Lin HY**, Quinn G, Vadaparampil S, Roetzheim R, Shibata D, Meade CD, Gwede CK. Factors Associated with Health Literacy in a Community-based Sample of Older Blacks. 2014 International Cancer Education Conference (ICEC), Clearwater Beach FL. Oct. 2014.
 25. Gonzalez JG, Mooney B, Brindle R, **Lin H**, Kiluk JV, Khakpour N, Laronga C, Lee MC. Prospective Trial of Breast MRI vs Ultrasound (US) for Evaluation of Response to Neoadjuvant Chemotherapy. The American College of Surgeons Clinical Congress, San Francisco CA, Oct. 2014.
 26. **Lin HY**, Tseng TS. Interactions of Genetic Variants and Environmental Associated with Cancer Risk: Machine Learning Approach. 2014 ICME International Conference on Complex Medical Engineering, Taipei, Taiwan, Jun. 2014.
 27. Tseng TS, **Lin HY**, Juan TH, Doback KA, Chiu YW, Chen T. Impact of Sugary Drink on Childhood Obesity in the United States. 2014 ICME International Conference on Complex Medical Engineering, Taipei, Taiwan, Jun. 2014.
 28. Tseng TS, Park JY, Zabaleta J, Moody-Thomas S, Sothorn MS, Chen T, **Lin HY**. Nicotine dependence impacts the relationship between genetic variants and risk of lung adenocarcinoma. The American Association of Cancer Research (AACR) Annual Meeting, San Diego CA, Apr. 2014. (poster)
 29. Gwede CK, Davis SN, Govindaraju S, Abdulla R, **Lin HY**, Fulp W, Quinn G, Vadaparampil ST, Roetzheim R, Shibata D, Meade CD. Increasing Access to Colorectal Cancer Testing (I-ACT): Taking immunochemical fecal occult blood test (I-FOBT) screening to the community. American Society of Preventive Oncology (ASPO), Arlington VA. Mar 2014. (poster)
 30. **Lin HY**. Identify Interactions and Distinct Risk Groups of Time-to-Event Data Using Survival Tree Approach. Conference on Statistical Practice. Tampa, FL, Feb. 2014. (poster)
 31. Baz R, **Lin HY**, Yoon S, Kim K, Alsina M, Shain KH, Sullivan D, Kang HJ, Kim JS, Suh C, Lee JJ, Kim JA, Kim KS, Min CL, Kwak JJ, Kim SH, Lee WS, Hong J, Lee JH. Response Adapted Lenalidomide Based Therapy For Newly Diagnosed (ND) Standard Risk Older Adults With Multiple Myeloma (MM): An International Collaboration. The American Society of Hematology (ASH) meeting, New Orleans, LA, Dec 2013.
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 33. Tao J, Shah B, Zhang X, Rastogi P, Tao J, Lancet J, **Lin HY**, Sotomayor E, Moscinski LC, Zhang L. Expression Level Of p-STAT5, c-MYC And IKZF1 By Immunohistochemistry Might Correlate With Adverse Clinical Outcome In Adult B- Lymphoblastic Leukemia (B-ALL). The American Society of Hematology (ASH) meeting, New Orleans, LA, Dec 2013.

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35. Ercole CE, Hakky TS, Baumgarten AS, Yue B, **Lin HY**, Pow-Sang JM, Sexton WJ, Protzel C, Spiess PE. Presence of Lymphovascular Invasion within the Primary Penile Tumor is an Independent Predictor of Overall Survival. American Urological Association (AUA)'s Annual Meeting, San Diego, CA, May 2013.
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66. **Lin HY**, Park JY. Prediction Model Building using Data Mining Approaches: An Example of Prostate Cancer Aggressiveness. American Public Health Association (APHA) Annual Meeting, Denver, CO, Nov. 2010.
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 113. Chiu Y-W, Su LJ, **Lin HY**. Comparison of Characteristics in Study Participants and Non-

participants in the Louisiana Healthy Aging Study. ACE Annual Scientific Sessions, New Orleans, LA, Sep. 2005.

114. Myers L, **Lin HY**. Does It Fit? Comparing Different Measures of Model Adequacy in Logistic Regression. Joint Statistical Meetings, Minneapolis, MN, Aug. 2005.
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Other Research

Clinical research protocols

Dr. Lin was the lead statistician of approximately 70 clinical trials at Moffitt Cancer Center and Research Institute. She develops study designs, provide analytical plans, conduct statistical analyses and prepare manuscripts for these trials.