

Department of Biostatistics and Bioinformatics

ANNUAL REPORT OF FACULTY PROVIDED TO CHAIRS
(for academic year: August, 2015-July, 2016)

I. SPECIAL HONORS

A. Major leadership positions in professional organizations and national panels

Chang, Howard

- Elected Section Councilor, Applied Public Health Statistics Section, APHA

Chen, Nelson

- Executive Committee of International Chinese Statistical Association (ICSA) 2016 Applied Statistics Symposium in Atlanta
-Organizer and Chair of an invited session entitled “Adaptive Methods and Regulation for Clinical Trials” at 2016 ICSA Applied Statistics Symposium in Atlanta
-Chair of an invited session entitled “Semiparametric statistical methods for complex data” at 2016 ICSA Applied Statistics Symposium in Atlanta.

Guo, Ying

-Program Chair-Elect, Section on Imaging Statistics, American Statistical Association (ASA)
-NIH Review Panel
1)NIH, Invited review panelist for BD2K R25 Courses for Skills Development in Biomedical Big Data Science, 2016.

Hanfelt, John

- President, Georgia Chapter of the American Statistical Association

Hu, Yijuan

- Member, Regional Advisory Board (RAB)/International Biometric Society: 01/01/2016 - 12/31/2018

Kutner, Michael

- Southern Regional Committee on Statistics: Member of Executive Committee; Chair, Resolutions Committee; Chair, Local Arrangements Committee for 2017 Summer Research Conference

Long, Qi

-Fellow, American Statistical Association
Member, Committee on Scientific Freedom and Human Rights, American Statistical Association, 2014-present
-Member, Steering Committee, Georgia Coverdell Acute Stroke Registry, 2013-present
-Member, Regional Advisory Board (RAB), International Biometric Society/Eastern North American Region, 2014-present
-Member, Statistical Advisory Group, International Consortium on Genetics of Subsequent Coronary Heart Disease (GENIUS-CHD), 2015-present
-Vice President, Georgia Chapter, American Statistical Association, 2014-present.

Manatunga, Amita

-Member, Advisory Committee on Continuing Education of the American Statistical Association
-Chair, Thomas Seller’s Jr. Award Selection Committee, Rollins School of Public Health

Moore, René

-Elected Member, ENAR RECOM
-Vice-Chair, American Statistical Association Committee on Minorities in Statistics

B. External awards and honors

Hu, Yijuan

- Finalist for James V. Neel Young Investigator Award, International Genetic Epidemiology Society, 2015

Huang, Eugene

- Fellow, American Statistical Association

Long, Qi

- Elected Member, International Statistical Institute, 2015
- Fellow, American Statistical Association, 2016

Lyles, Bob

- American Journal of Epidemiology* top 10 Article of 2015 Award for the paper: Mitchell, E.M., **Lyles, R.H.**, Manatunga, A.K., Schisterman, E.F. "Semiparametric Models for a Right-Skewed Outcome Subject to Pooling".

Peng, Limin

- Fellow, American Statistical Association, 2016

Safo, Sandra

- Emory Building Interdisciplinary Research Careers in Women's Health (BIRCWH) Scholar, 2016
- NHI NHLBI PRIDE Cardiovascular Genetics Epidemiology Scholar, Washington University, St Louis

Switchenko, Jeff

- Award for Outstanding Service to Winship Clinical and Translational Research Committee, 2016

II. TEACHING ACHIEVEMENTS

- A. List courses taught and enrollment

Binongo, José

- AEPI 565D: Advanced Modeling, enrollment 15
- BIOS 500: Statistical Methods I, enrollment 146
- BIOS 502: Statistical Methods III, enrollment 27
- BIOS 516D: Applied Biostatistics I, enrollment 35
- BIOS 517D: Applied Biostatistics II, enrollment 11
- BIOS 518M: Applied Biostatistics III, enrollment 11
- CPTR 502: Biostatistics for Translational Research, enrollment 10
- MSCR 520: Clinical Trials, enrollment 19

Chang, Howard

- BIOS 526: Modern Regression Analysis, enrollment 25
- BIOS 737: Spatial Analysis of Public Health Data, enrollment 14

Chen, Nelson

- Oncology Reviews Journal Club at Winship Cancer Institute

Clennon, Julie

- INFO 530: Geographic Information Systems Lecture, enrollment 87
- INFO 530: Geographic Information Systems Lab, enrollment 30
- INFO 530: Geographic Information Systems (Lecture & Lab), enrollment 47
- EH 583: Spatial Ecology of Infectious Diseases, enrollment 21
- MDP 585: Applications for Geographic Information Systems for Development Practice, enrollment 18
- INFO 560R: Special Topics in Public Health Informatics, enrollment 10
- INFO 532: Geographic Information Systems for Public Health, enrollment 17

Cotsonis, George

- BIOS 531: SAS/S-plus Programming, enrollment 31
- BIOS 532: Statistical Computing, enrollment 24
- INFO 511: Statistical Inference I, enrollment 14

Easley, Kirk

- BIOS 745R: Biostatistical Consulting, enrollment 8

Guo, Ying

- BIOS 506: Statistical Method I, enrollment 16
- BIOS 760R: Advanced Topics in Neuroimaging Statistics, enrollment 8

Haber, Michael

BIOS 522: Survival Analysis Methods, enrollment 30
BIOS 524: Introduction to Analytic Methods for Infectious Diseases, enrollment 6
BIOS 597: Directed Study, enrollment 1
BIOS 797, Directed study, enrollment 1

Hanfelt, John

BIOS 735: Estimating Function Theory, enrollment 6
BIOS 511: Statistical Inference I, enrollment 31

Hu, Yijuan

BIOS 508: Categorical Data Analysis, enrollment 32

Huang, Eugene

BIOS 711: Statistical Inference II, enrollment 7

Kowalski, Jeanne

BIOS 560R: Applied Biostatistics and Bioinformatics in Cancer Research, enrollment 14

Kundu, Suprateek

BIOS 707: Advanced Linear Models, enrollment 7

Leong, Traci

BIOS 544-001: Introduction to R, enrollment 35
BIOS 544-002: Introduction to R, enrollment 27
MSCR Program: Introduction to Biostatistics, enrollment 32 (Morehouse School of Medicine)
MSCR Program: Analysis of Frequency data, enrollment 34 (Morehouse School of Medicine)

Long, Qi

BIOS 709: Generalized Linear Models, enrollment 8

Lyles, Bob

BIOS 507: Applied Linear Models, enrollment 43

Manatunga, Amita

BIOS 509M: Fundamentals of Bioinformatics, enrollment 20
BIOS 780R: Advanced PHD Seminar, enrollment 6

Mehta, Christina

BIOS 500L: Statistical Methods I Lab, enrollment 40

Moore, René

BIOS500: Statistical Methods I, enrollment 72
BIOS 501: Statistical Methods, II, enrollment 49

Nizam, Azhar

BIOS500: Statistical Methods I, enrollment 82
MSCR500: Introduction to Biostatistics, enrollment 20
MSCR533: Data Management, enrollment 20
BIOS500L: Statistical Methods Computer lab, enrollment 82
BIOS591P: Statistical Methods II, enrollment 154
MSCR500: Introduction to Biostatistics, enrollment 33 (live web course)
MSCR533: Data Management, enrollment 33 (live web course)
BIOS500S: Summer Institute for Training in Biostatistics, enrollment 11

Peng, Limin

BIOS 710: Probability Theory II, enrollment 9

Qin, Steve

BIOS 738: Bayesian and Empirical Bayes Methods, enrollment 15

Switchenko, Jeff

BIOS 501L: Statistical Methods Lab II, enrollment 27

Weiss, Paul

BIOS 500: Statistical Methods I, enrollment 160

BIOS 501: Statistical Methods, II, enrollment 60

BIOS 531: SAS/S-plus Programming, enrollment 48

BIOS 550: Sampling Applications I: Computer Analysis of Complex Sample Survey, enrollment 48 (Fall)

BOS 550: Sampling Applications I: Computer Analysis of Complex Sample Survey, enrollment 48 (Spring)

Wu, Hao

BIOS 516: Introduction to Large-scale Biomedical Data Analysis, enrollment 14

BIOS 545: Introduction to R Programming (co-taught with Steve Pittard), enrollment 29

BIOS 555: High-throughput Data Analysis Using R and Bioconductor

Yu, Tianwei

BIOS 540, Introduction to Bioinformatics, enrollment 20

BIOS 740, Bioinformatic Machine Learning, enrollment 22

Zhang, Rebecca

BIOS 510: Introduction to Probability Theory, enrollment 22

BIOS 512: Probability Theory I, enrollment 26

Waller, Lance

BIOS 777: Teaching Biostatistics, enrollment 6

IBS 592: Quantitative Methods, enrollment 8

B. MPH/MSPH thesis (SSP) committees chaired (list names of students)

Chang, Howard

Tianqi Chen, Department of Biostatistics and Bioinformatics

Ying Lin, Department of Biostatistics and Bioinformatics

Chen, Nelson

Run Zhang, Department of Biostatistics and Bioinformatics (Shepard Award Finalist 2016)

Zheyu Hu, Department of Biostatistics and Bioinformatics

Anqi Pan, Department of Biostatistics and Bioinformatics

Ishaan Amit Dave, Department of Biostatistics and Bioinformatics

Guo, Ying

Junhan Fan, Department of Biostatistics and Bioinformatics (joint with Suprateek Kundu)

Mengdi Wu, Department of Biostatistics and Bioinformatics (joint with Ashish Sharma)

Haber, Michael

Shawnee Anderson, Department of Biostatistics and Bioinformatics

Polina Elkind, Department of Biostatistics and Bioinformatics

Ko, Yi-An

Yunyun Chen, Department of Biostatistics and Bioinformatics

Kundu, Suprateek

Junhan Fang, Department of Biostatistics and Bioinformatics

Jin Ming, Department of Biostatistics and Bioinformatics

Leong, Traci

Xin Sun, Department of Biostatistics and Bioinformatics

Liu, Yuan

Yaqi Jia, Department of Biostatistics and Bioinformatics

Wendi Liang, Department of Biostatistics and Bioinformatics

Kelli O'Connell, Department of Biostatistics and Bioinformatics

Long, Qi

Zhifan Sang, Department of Biostatistics and Bioinformatics

Manatunga, Amita

Megan Warnock, Department of Biostatistics and Bioinformatics

Moore, Reneé

Christina Chapman, Department of Biostatistics and Bioinformatics

Matthew Gregory, Department of Biostatistics and Bioinformatics

Lexi René, Department of Biostatistics and Bioinformatics

Waller, Lance

Terrence Tang, Department of Biostatistics and Bioinformatics

Sara Khan, Department of Biostatistics and Bioinformatics

Weiss, Paul

Ruoming Wu, Department of Biostatistics and Bioinformatics

Yu, Tianwei

Jiani Hu, Department of Biostatistics and Bioinformatics

C. MPH/MSPH thesis (SSP) committees on which you served but did not chair (list names of students)

Binongo, José

Abdulhameed Kashkary, Department of Global Health

Zheyu Hu, Department of Biostatistics and Bioinformatics

Tessa Horslev, Department of Epidemiology

Chaohua Li, Department of Epidemiology

Chang, Howard

Xin Sun, Department of Biostatistics and Bioinformatics

Ruoming Wu, Department of Biostatistics and Bioinformatics

Clennon, Julie

Bryant Jones, Department of Environmental Health

Guo, Ying

Jin Ming, Department of Biostatistics and Bioinformatics

Hanfelt, John

Lexi René, Department of Biostatistics and Bioinformatics

Ko, Yi-An

Emma Amissah, Department of Epidemiology

Kutner, Michael

Yunyun Chen, Department of Biostatistics and Bioinformatics

Run Zhuang, Department of Biostatistics and Bioinformatics

Liu, Yuan

Kushal Naik, Department of Biostatistics and Bioinformatics

Hiba Z. Ahmed, Department of Biostatistics and Bioinformatics

Manatunga, Amita

Kevin Seitz, Emory University School of Medicine

Alanna Morris, MD, Assistant Professor of Medicine, Division of Cardiology

Srikant Rangaraju, MBBS, Assistant Professor, Department of Neurology, Emory University School of Medicine

Jay Freeman, MD, Assistant Professor of Pediatrics, Division of Pediatric Gastroenterology, Hepatology, and Nutrition, Emory University School of Medicine

Nitya Bakshi, M.D., M.S. Senior Associate, Pediatric Hematology/Oncology, Emory University School of Medicine

Vyas-Read, Shilpa, Assistant Professor, Neonatology, Emory University School of Medicine
Raches Ella, Emory Global Health Institute

Moore, René

Parneet Ghuman, Department of Biostatistics and Bioinformatics

Qin, Steve

Ben Li, Department of Biostatistics and Bioinformatics
Yunxiao Li, Department of Biostatistics and Bioinformatics
Li Chen, Department of Math and Computer Science
Tianlei Xu, Department of Math and Computer Science
Xiaobo Sun, Department of Math and Computer Science

Weiss, Paul

Angela Guo, Department of Global Health
Brenda Nguyen, Department of Epidemiology

D. PhD dissertation committees chaired (list names of students)

Chang, Howard

Brooke Alhanti, Department of Biostatistics and Bioinformatics
Caprichia Jeffers, Department of Biostatistics and Bioinformatics

Guo, Ying

Phebe Kemmer, Department of Biostatistics and Bioinformatics
Tian Dai, Department of Biostatistics and Bioinformatics
Ran Shi, Department of Biostatistics and Bioinformatics
Zae Higgins, Department of Biostatistics and Bioinformatics

Haber, Michael

Meng Shi, Department of Biostatistics and Bioinformatics
Kylie Ainslie, Department of Biostatistics and Bioinformatics

Hanfelt, John

Lijia Wang, Department of Biostatistics and Bioinformatics

Hu, Yijuan

Peizhou Liao, Department of Biostatistics and Bioinformatics

Long, Qi

Domonique Watson Hodge, Department of Biostatistics and Bioinformatics
Samantha Noreen, Department of Biostatistics and Bioinformatics
Wanzhe Zhu, Department of Biostatistics and Bioinformatics (with Amita Manatunga)
Yi Deng, Department of Biostatistics and Bioinformatics

Lyles, Bob

Dane Van Domelen, Department of Biostatistics and Bioinformatics
Gavin Tian, Department of Biostatistics and Bioinformatics
Fancy Fang, Department of Biostatistics and Bioinformatics

Manatunga, Amita

Shuling Liu, Department of Biostatistics and Bioinformatics
Wanzhe Zhu, Department of Biostatistics and Bioinformatics (with Qi Long)

Peng, Limin

Jing Yang, Department of Biostatistics and Bioinformatics

Waller, Lance

Ian Buller, Department of Environmental Health
Anthony Pillegi, Department of Biostatistics and Bioinformatics
Lance Ballster, Department of Biostatistics and Bioinformatics

Yu, Tianwei

Qingpo Cai, Department of Biostatistics and Bioinformatics (co-advised with Jian Kang)
Zhuxuan Jin, Department of Biostatistics and Bioinformatics (co-advised with Jian Kang)

E. PhD dissertation committees on which you served but did not chair (list names of students)

Binongo, José

Ellen Smith, Department of Nutrition

Chang, Howard

Naser Titu, Department of Environmental Health
Qingyang Xiao, Department of Environmental Health
Jessica Belle, Department of Environmental Health
Cesunica Ivey, Georgia Institute of Technology

Clennon, Julie

David Berendes, Department of Environmental Health

Guo, Ying

Jacob Billings, Neuroscience Graduate Program (GDBBS)
Lijia Wang, Department of Biostatistics and Bioinformatics

Hanfelt, John

Margaret Bray, Department of Biostatistics and Bioinformatics

Hu, Yijuan

Yunxuan Jiang, Department of Biostatistics and Bioinformatics
Brooke Ashley Alhanti, Department of Biostatistics and Bioinformatics

Huang, Eugene

Jing Yang, Department of Biostatistics and Bioinformatics
Dane Van Domelen, Department of Biostatistics and Bioinformatics

Kelley, Mary

Caprichia Jeffers, Department of Biostatistics and Bioinformatics

Ko, Yi-An

Domonique Watson, Department of Biostatistics and Bioinformatics

Kundu, Suprateek

Ran Shi, Department of Biostatistics and Bioinformatics

Lyles, Bob

Lauren Christiansen-Lindquist, Department of Epidemiology
Dominique Watson, Department of Biostatistics and Bioinformatics
Melanie Jacobson, Department of Epidemiology

Manatunga, Amita

Dane Van Domelen, Department of Biostatistics and Bioinformatics
Tian Dai, Department of Biostatistics and Bioinformatics
Jing Yang, Department of Biostatistics and Bioinformatics
Rayfield, Lael, Department of Biostatistics and Bioinformatics

Mehta, Christina

Augustina Delaney, Department of Epidemiology

Peng, Limin

Shuling Liu, Department of Biostatistics and Bioinformatics
Tian Dai, Department of Biostatistics and Bioinformatics
Kylie Ainslie, Department of Biostatistics and Bioinformatics

Qin, Steve

Peizhou Liao, Department of Biostatistics and Bioinformatics
Qing He, Department of Biostatistics and Bioinformatics
Yunxuan Jiang, Department of Biostatistics and Bioinformatics
Jung-Ting Chien, Department of Math and Computer Science
Sumeet Sharma, Medical School

Waller, Lance

Brooke Alhanti Brooke, Department of Biostatistics and Bioinformatics
Margaret Bray, Department of Biostatistics and Bioinformatics
Ben Li, Department of Biostatistics and Bioinformatics
John Brooke, Utrecht University (Netherlands)
Brooke Bozick, PBEE
Travis Dynes, PBEE
JR McMillan, PBEE
Trieste Musial, PBEE

Wu, Hao

Li Chen, Department of Math and Computer Science
Crystal Grant, Genetics and Molecular Biology Graduate Program
Ben Li, Department of Biostatistics and Bioinformatics

Yu, Tianwei

Ben Li, Department of Biostatistics and Bioinformatics

F. New courses developed and taught (list titles)

Chang, Howard

BIOS 737: Spatial Analysis of Public Health Data

Clennon, Julie

INFO 532: Geographic Information Systems for Public Health
INFO 560R: Special Topics in Public Health Informatics

Kowalski, Jeanne

BIOS 560R: Applied Biostatistics and Bioinformatics in Cancer Research

Liu, Yuan

National Cancer Data Base Training Workshop I (8/3/15) and Workshop II (11/11/15)

G. Mentoring (junior faculty, post-docs, other)

Clennon, Julie

-Neela Goswami (K-award, Directing GIS Study)
-Kristen Stanfill (Capstone Mentor: Environmental Health)
-Jonathan Edwards (Capstone Advisor: Bioinformatics)
-Academic Advisor: Master's in Development Practice Program (6 students)
 a. Alexandra Gordon (1st year)
 b. David Sabino (1st year)
 c. Melanie Aleman (1st year)
 d. Paulita Bennett-Martin (2nd year)
 e. Katherine Groenevelt (2nd year)
 f. Ashley Reef (2nd year)
-Oscar Quirós Gómez (Mentor: GIS and spatial analysis)

Elon, Lisa

-Tara Krishna, Student, Department of Epidemiology
-Abby Mutic, Student, Nursing School
-Val Mac, Student, Nursing School
-Ying Lin, Student, Department of Biostatistics and Bioinformatics
-Stephanie Eick, Student, Department of Epidemiology

Guo, Ying

- Suprateek Kundu, Assistant Professor, Department of Biostatistics and Bioinformatics
- Albert Anderson, Assistant Professor of Medicine, Emory School of Medicine
- Ravi Mangal Patel, Assistant Professor of Pediatrics, Division of Neonatology
- Lynn Marie Trotti, Assistant Professor of Neurology, Department of Pediatrics
- James Scott Cordova, Graduate Student, Department of Molecular and Systems Pharmacology, Emory School of Medicine

Hanfelt, John

- Whitney Wharton, PhD, Department of Neurology
- Carmen Polito, MD, Department of Medicine

Hu, Yijuan

- Mentored Post-Doctoral Fellow, Henry Johnston

Huang, Eugene

- Mentored Post-Doctoral Fellow, Elizabeth Chong

Kelley, Mary

- Mentored Christina Mehta on the CFAR registry studies
- Statistics mentor on funded F31 fellowship grant: Nursing student Moka Yoo-Jeong

Ko, Yi-An

- Mentored Hina Ahmed, a research intern at ECCRI
- Mentored Mengdi Wu, Department of Biostatistics and Bioinformatics
- Mentored ECCRI research fellows (*with regular weekly meetings)
 - o Salim Hayek*
 - o Heval Mohamed*
 - o Matthew Topel
 - o Muhammad Hammadah
 - o Joe Xie
 - o Adam Mitchell
 - o Parham Eshtehardi
 - o Farshad Forouzandeh

Kowalski, Jeanne

- Mentored Yuan Liu, Assistant Professor, Winship Biostatistics and Bioinformatics Shared Resource
- Mentored Jeff Switchenko, Assistant Professor, Winship Biostatistics and Bioinformatics Shared Resource
- Mentored Dennis Whelan, PhD Student, Department of Biostatistics and Bioinformatics

Kutner, Michael

- Mentored, Qi Long, Yijuan Hu, Traci Leong, Department of Biostatistics and Bioinformatics
- Mentored, Ed Boone, Virginia Commonwealth University
- Mentored, James Hardin, University of South Carolina

Leong, Traci

- Mentored Lilly Immergluck, K08
- Mentored Elizabeth Stenger, K23

Long, Qi

- Mentored three junior faculty members: Dr. Yi-An Ko, Dr. Sandra Safo, and Dr. Suprateek Kundu
- Mentored and supervised 3 postdocs: Changgee Chang, Eun Jeong Min, and Sandra Safo.
- Mentored and supervised 2 doctoral student research assistants: Ziyi Li, Yunchuan Kong
- Supervised 2 master's student research assistants: Yunyun Chen, Quran Wu

Lyles, Bob

- Mentored, Dane Van Domelen, PHD Student, Department of Biostatistics and Bioinformatics

Mehta, Christina

- Mentored/supervised Justine Celli (Epi MPH student) on various WIHS projects throughout the year
- Mentored/supervised Mendi Wu (Bios) on small WIHS project for Dr. Lyndsey Hornbuckle as part of the Bios 745 Biostatistics Consulting requirement

Moore, Reneé

- Lexi René, Biostatistics Consulting Center (BCC) REAL Student, Department of Biostatistics and Bioinformatics
- Jennifer Shriber, Biostatistics Consulting Center (BCC) REAL Student, Department of Biostatistics and Bioinformatics
- Raphael Murden, Biostatistics Consulting Center (BCC) Graduate Student, Department of Biostatistics and Bioinformatics
- Quran Wu, Biostatistics Consulting Center (BCC) Graduate Student, Department of Biostatistics and Bioinformatics
- Ryan Quigley, Undergraduate Summer Intern Student, Department of Biostatistics and Bioinformatics
- Jimeria Williams, Mellon Mays Undergraduate Fellow, Spelman College

Peng, Limin

- Mentored Huijuan Ma, Postdoctoral Fellow, Department of Biostatistics and Bioinformatics
- Mentored AKM Fazlur Rahman, Postdoctoral Fellow, Department of Biostatistics and Bioinformatics

Qin, Steve

- Mentored Yijuan Hu, Assistant Professor, Department of Biostatistics and Bioinformatics
- Mentored Hao Wu, Assistant Professor, Department of Biostatistics and Bioinformatics
- Mentored Li Li, Postdoctoral Fellow, Department of Biostatistics and Bioinformatics
- Mentored Rich Johnston, Postdoctoral Fellow, Department of Biostatistics and Bioinformatics

Safo, Sandra

- Mentored, Ziyi Li, Graduate Student, Department of Biostatistics and Bioinformatics (Co-mentoring with Qi Long)

Switchenko, Jeff

- Mentored Yunyun Chen on student practicum (field supervisor: Jerome Landry)
- Mentored Tianqi Chen on student practicum (field supervisor: Kirtesh Patel)
- Mentored Silu Liu on student practicum (field supervisor: Christopher Flowers)
- Mentored En Cheng on student practicum (field supervisor: TBA)
- Mentored Wendi Liang in a research assistant position
- Mentored Gelareh Sadigh as mentor to RSNA research grant

Waller, Lance

- Hosted Andre' Alves, PhD Student Brazil
- Mentored Jenna Krall, Postdoctoral Researcher, Department of Biostatistics and Bioinformatics
- Mentored Eric Nehl, Department of Behavioral Sciences and Health Education (K award)
- Mentored Janet Cummings, Department of Health, Policy and Management (K award)
- Mentored Neela Goswami, Department of Infectious Disease, Emory School of Medicine (K award)
- Mentored Matthew Gribble, Department of Environmental Health (K award application)

Yu, Tianwei

- Elizabeth Chong, Postdoctoral Fellow, Department of Biostatistics and Bioinformatics (co-advised with Eugene Huang)

H. Other teaching achievements (list each)

Clennon, Julie

- GIS for Global Epidemiology, Geography and Geospatial Science Working Group, CDC University: January 29, 2016
- Sistemas de Información Geográfica y Análisis Espacial en Salud PublicaUniversidad de Yucatan Merida, Mexico
- Honorable Mention: Biostatistics Teaching Award Nominee

Cotsonis, George

- Summer Institute for Training in Biostatistics (SIBS), Summer 2015, enrollment 20

Guo, Ying

- Honorable Mention in 2016 Biostatistics Teaching Award, Department of Biostatistics and Bioinformatics

Hanfelt, John

- Honorable Mention, Department of Biostatistics and Bioinformatics Teaching Award

Huang, Eugene

- Academic advisor for doctoral student Yunchuan Kong
- Academic advisor for MSPH/MPH students Haonan Feng, Wenyi Fan, Xi Fang
- Advisor for a fellow from QuanTM Undergraduate Fellowship program, Qianqian Chen

Ko, Yi-An

- Offered six Biostatistics workshops at ECCRI primarily for research fellows (biweekly, 09/2015-12/2015)

Kowalski, Jeanne

- Faculty coordinator and participant, Winship Cancer Institute Oncology Reviews Journal Club,
 - o Fulfills AGME residency requirement of instruction in medical statistics

Kutner, Michael

- Lecturer, BIOS 745: Lecture on Statistical Ethics
- Lecturer, SIBS Program on Clinical Trials
- Presenter, Ph.D. Visit Week

Liu, Yuan

- Mentored and taught MPH students from RSPH in their practicum based on NCDB, and they are Wendi Liang, Chuqing Chen, and Xi Liu; Yaqi Jia worked SAS macro development under my guidance.

Long, Qi

- Mentor in Statistics and Methodology, American Psychiatric Association (APA) Research Colloquium for Junior Investigators, 2016
- Organizer and Instructor, Workshop Series on Handling Missing Data at the Georgia Department of Public Health (also open to the Centers for Disease Control and Prevention).
- Awards for students and postdocs under my supervision:
 - a) Domonique Watson Hodge i) received a travel award to the 2016 Joint Statistical Meetings from the American Statistical Association Survey Research Methods Section and ii) was selected to receive the SAS Fellowship in 2015-2016.
 - b) Yi Deng i) won the 3rd place in the American Statistical Association Biopharmaceutical Section Poster Competition at the 2015 Joint Statistical Meetings and ii) was on the winning team for the Atlanta Big Data Team Challenge on April 7, 2016 sponsored by Booz Allen Hamilton and hosted by Emory RSPH.
 - c) Samantha M. Noreen was awarded the Dean's Teaching Fellowship in 2016-2017 by the Emory Laney Graduate School.
 - d) Changgee Chang was awarded a Young Researcher Travel Grant to the ISBA 2016 World Meeting.
 - e) Ziyi Li received a student paper award at the 2016 International Chinese Statistical Association (ICSA) Applied Statistics Symposium.
 - f) Sandra E. Safo received an NIH-funded K12 award from the Building Interdisciplinary Research Careers in Women's Health (BIRCWH) Program.

Moore, Renée

- Co-taught School of Medicine Annual Research Bootcamp Day (faculty, staff)
- taught for School of Medicine SoCRATES course (medical students)
- taught for School of Medicine Division of Animal Resources Resident Orientation

Nizam, Azhar

- 2016 King Abdullah Fellowship Program Excellence in Teaching Award

Peng, Limin

- Taught an invited short course at Centers for Disease Control and Prevention (CDC)
- Presented an invited tutorial at 2016 Eastern North American Region (ENAR) Spring Meeting

Qin, Steve

- Guest Lecture, Oxford Campus Biology Research Club.
- Maintained active email list of the Bioinformatics group at Emory.
- Organized journal clubs and group meetings for the Bioinformatics Interest Group.

Safo, Sandra

- Guest Lecturer (4 Lectures) guest lectures, BIOS 709: Multivariate Statistics and Functional Data Analysis

Switchenko, Jeff

- Guest lecturer, Winship Summer Scholars program, June 23rd, 2016
- Invited lecturer, "NCDB Workshop II – The Framework of Statistical Collaboration", National Cancer Database Workshop II, November 11th, 2015
- Invited lecturer, "Winship Cancer Institute: Biostatistics and Bioinformatics Shared Resource – An overview", Bios 745R – Biostatistical Consulting, October 9th, 2015
- Invited lecturer, "Data Management and Analytic Checklist", National Cancer Database Workshop I, August 3rd, 2015

Waller, Lance

- Director of NHLBI funded Summer Institute for Training in Biostatistics
- Invited instructor, 2.5-day Short course on Spatial Statistics (with Jon Wakefield) Summer Institute on Statistics in Modeling Infectious Disease, University of Washington, Seattle WA. July 2016.

Weiss, Paul

- Biostatistical Epidemiology (taught in FETP – Tokyo, July 2016)
- TATTO Microteaching evaluator (August, 2016)
- Basic stat methods / Screening (GI Fellows, Emory Medical School)

Yu, Tianwei

- Co-developed course Bios 534/CS 534: Machine Learning (3 credit hours) together with Dr. Lee Cooper. The course is to serve as a required course for the CS PhD program, and an elective in Bios.

III. SERVICE/PRACTICE ACHIEVEMENTS

- A. List service activities for the RSPH

Binongo, José

- Co-Chair, Admissions Committee, Department of Biostatistics and Bioinformatics
- Member, Curriculum Committee, Department of Biostatistics and Bioinformatics
- Grader, 1st Year Biostatistics PhD Theory Qualifying Exam, Department of Biostatistics and Bioinformatics

Chang, Howard

- Member, Admissions Committee, Department of Biostatistics and Bioinformatics
- Member, Faculty Search Committee, Department of Biostatistics and Bioinformatics
- Member, PhD Qualifying Exam Committee, Department of Biostatistics and Bioinformatics
- Member, PhD Recruitment Committee, Department of Biostatistics and Bioinformatics
- Member, Diversity Committee, Department of Biostatistics and Bioinformatics

Chen, Nelson

- Grading the question 1 and 2 of the 1st year theory exam 2016
- Meet new Ph.D student candidates. Gave a presentation on the topic of clinical trial to Ph.D student candidates.
- Meet new MS student candidates. Gave a talk about the field of clinical trial in our department to MS student candidates.
- Interview several staff candidates, such as, Abby Zhang, Sarabjot Singh et al.

Clennon, Julie

- Guest lecturer, Introduction to Public Health Surveillance (Phillip Brachman)
- Lecturer and panelist, World Water Day 2016 Speaker and Panelist, March, 23, 2016

Cotsonis, George

- Member, Computing Committee, Department of Biostatistics and Bioinformatics
- Member, Information Technology Advisory Group, RSPH

Easley, Kirk

- Consultant on research projects within the Emory University School of Medicine, Yerkes National Primate Research Center, Rollins School of Public Health and Emory Center for AIDS Research.

Elon, Lisa

- Member, MPH/MSPH Admissions Committee

-Department Practicum Advisor

Guo, Ying

- Director, Center of Biomedical Statistics (CBIS)
- Member, Awards Committee, Department of Biostatistics and Bioinformatics
- Member, PhD Recruitment Committee, Department of Biostatistics and Bioinformatics
- Reviewer, PhD Qualifying Exam, Department of Biostatistics and Bioinformatics

Haber, Michael

- Chair, Curriculum Committee, Department of Biostatistics and Bioinformatics
- Chair, Qualifying Examinations Committee, Department of Biostatistics and Bioinformatics
- Chair, Website Committee, Department of Biostatistics and Bioinformatics
- Member, Admissions Committee, Department of Biostatistics and Bioinformatics

Hanfelt, John

- Co-chair, BIOS Tenure-Track Faculty Search Committee
- Member, BIOS Admissions Committee

Hu, Yijuan

- Member, PhD Admissions Committee, Department of Biostatistics and Bioinformatics
- Member, PhD Qualifying Exam Committee, Department of Biostatistics and Bioinformatics
- Member, Donna J. Brogan Lecture Committee, Department of Biostatistics and Bioinformatics
- Member, Faculty Search Committee, Department of Biostatistics and Bioinformatics
- Member, Shepard Award Committee, RSPH

Huang, Eugene

- Co-chair, Qualifying Exam Committee, Department of Biostatistics and Bioinformatics
- Member, Admissions Committee, Department of Biostatistics and Bioinformatics
- Problem setter & Grader, Qualifying exam, Department of Biostatistics and Bioinformatics

Kelley, Mary

- Department contact for MPH concentration in social determinants of health

Ko, Yi-An

- Participant, RSPH Mentor and Mentee Program
- Member, Admissions Committee, Department of Biostatistics and Bioinformatics
- Presenter, Department of Biostatistics and Bioinformatics Faculty Research Projects Open House
- Presenter, SIBS – Meet the Faculty

Kowalski, Jeanne

- Direct a 10-member faculty and staff at Winship Biostatistics and Bioinformatics Shared Resource
- Member, Collaborative Research Committee

Kundu, Suprateek

- Wellness Champion, Rollins School of Public Health

Kutner, Michael

- Member, Search Committee Member, VA/Department
- Chair, DSMC, A Peer-Led, Medical Disease Self-Management Program for Mental Health Consumers

Long, Qi

- Member, Appointment, Promotion and Tenure Committee, RSPH
- Member, Research Advisory Committee, RSPH
- Member, Curriculum Committee, Department of Biostatistics and Bioinformatics
- Member, Search Committee for Founding Director of VA Analytics Center
- Member, Faculty Search Committee, Department of Biostatistics and Bioinformatics

Lyles, Bob

- Member, Awards Committee, Department of Biostatistics and Bioinformatics
- Member, PhD Admissions Committee, Department of Biostatistics and Bioinformatics
- Member, Faculty Search Committee, Department of Biostatistics and Bioinformatics

Manatunga, Amita

- Chair, Donna J. Brogan Lecture Committee, Department of Biostatistics and Bioinformatics
- Member, ACTSI-BERD Committee, Department of Biostatistics and Bioinformatics
- Member, Tenure Track Faculty Committee, Department of Biostatistics and Bioinformatics
- Co-Chair, Tenure-track/Tenured Faculty Search Committee, Department of Biostatistics and Bioinformatics
- Member, Appointment, Promotion and Tenure Committee, Rollins School of Public Health
- Member, Appointment, Research Advisory Committee (RAC), Rollins School of Public Health

Mehta, Christina

- Member, MSPH/MPH Admissions Committee, Department of Biostatistics and Bioinformatics
- Member, Woodruff Scholarship Committee

Moore, Reneé

- Member, Education Curriculum
- Member, Search Committee for Department of Biostatistics and Bioinformatics Financial Analyst position
- Member, Search Committee for Department of Biostatistics and Bioinformatics Founding Director of VA Analytics Center position

Nizam, Azhar

- Member, Admissions Committee, Department of Biostatistics and Bioinformatics

Peng, Limin

- Department Representative at RSPH Faculty Council

Qin, Steve

- Member, Admissions Committee, Department of Biostatistics and Bioinformatics
- Member, Faculty Search Committee, Department of Biostatistics and Bioinformatics

Switchenko, Jeff

- Organized Winship 5K team for Department of Biostatistics – 2015
 - Designed logo and t-shirts
 - Recruited faculty and students
- Led effort to consolidate SEER and NCDB projects and ideas to facilitate student involvement and enhanced collaboration with Winship members.
- Member, Student Recruitment Committee, Department of Biostatistics and Bioinformatics

Waller, Lance

- Chair, Department of Biostatistics and Bioinformatics

Weiss, Paul

- Career Services (helped develop technical interview questions for interviewing BIOS and EPI graduates in mock interviews)

Wu, Hao

- Member, Curriculum Committee, Department of Biostatistics and Bioinformatics
- Member, MSPH Admission Committee, Department of Biostatistics and Bioinformatics
- Member, Department Website Committee, Department of Biostatistics and Bioinformatics

Yu, Tianwei

- Member, CFAR Science Council
- Member, Curriculum Committee, Department of Biostatistics and Bioinformatics
- Member, Admissions Committee, Department of Biostatistics and Bioinformatics
- Member, Computer Advisory Committee, Department of Biostatistics and Bioinformatics

Zhang, Rebecca

- Member, Qualifying Exam Committee, Department of Biostatistics and Bioinformatics
- Co-Chair, Recruitment Committee, Department of Biostatistics and Bioinformatics

B. List service activities for Emory University

Chen, Nelson

- Committee member in the Clinical and Translational Research Committee (CTRC) of Winship Cancer Institute
- Recipient, Award from Winship Cancer Institute for outstanding contribution to CTRC 2016

Easley, Kirk

- Statistical reviewer, *Diseases of the Colon and Rectum*, 1995-2016.
- National Institute on Deafness and Other Communication Disorders Special Emphasis Panel: Teleconference reviews of proposed clinical trials on September 22, 2015 and May 2, 2016.

Guo, Ying

- Provided statistical consultation and statistical analyses for research projects for faculty in School of Medicine and School of Nursing

Hanfelt, John

- Director, Biostatistics Epidemiology and Research Design (BERD), Atlanta Clinical and Translational Science Institute
- Reviewer, Emory STEM Symposium

Huang, Eugene

- Member, Winship Data Safety and Monitoring Committee

Ko, Yi-An

- Primary Statistician, in the Emory Division of Cardiology.
- Data Manager, Emory Cardiovascular Biobank (consisting of nearly 7000 unique patients with follow-up data).
- Reviewer, URC application

Kowalski, Jeanne

- Led the recruitment of a Winship PhD staff in Biostatistics
- Member, Winship Clinical and Translational Review Committee
- Member, Winship Shared Resource Directors Council

Kundu, Suprateek

- Seminar Chair, Department of Biostatistics and Bioinformatics
- Member, PhD Admissions Committee, Department of Biostatistics and Bioinformatics
- Member, Qualifying Exam Committee, Department of Biostatistics and Bioinformatics
- Biostatistics Liason, Emory STEM Symposium

Kutner, Michael

- Chair, Planning Committee for the Emory Faculty Club
- Member, 1836 Club

Leong, Traci

- DSMB member for Emory investigator: Allison Ross "Vitamin D Interventional Study for HIV patients"
- DSMB member for Emory investigator: Dr. Vin Tangpricha "Vitamin D for enhancing the immune system in cystic fibrosis"
- DSMB member for Emory investigator: Mikail El Chami "Management of New-Onset Postoperative Atrial Fibrillation utilizing Insertable Cardiac Monitor Technology to Observe Recurrence of AF (MONITOR-AF)"
- DSMB member for Emory investigator: David De Lurgio "Cardioneuroablation for Neurocardiogenic Syncope (ABLATE-NCS)"
- IRB member, Children's healthcare of Atlanta

Manatunga, Amita

- Emory's Building Interdisciplinary Research Careers in Women's Health (BIRCWH) program. January, 2016
- Member, CRCA/Masters of Science in Clinical Research Program Executive Committee
- Member, Emory Mentored Clinical Research Scholar Program -K12 Executive Committee
- Member, ACTSI -SAC Committee

Nizam, Azhar

- Fellows Introduction to Research Training (FIRsT) Oct. 27-28, 2016, Emory University
- Taught four sessions: descriptive statistics, hypothesis testing, regression, survival analysis

Peng, Limin

-Director of Graduate Studies for Biostatistics Program

Qin, Steve

-Member, Emory Big Data/Data Science Working Group
-Member, CSI/BMI Curriculum committee.

Switchenko, Jeff

-Member, Clinical and Translational Research Committee (CTRC)
-Presenter and Participant, Oncology Journal Club
-Member, Winship Research Informatics Advisory Committee

Waller, Lance

-Co-Chair, Research Information Technology Committee
-Member, Woodruff Health Sciences Center Research Advisory Committee
-Member, Steering Committee, Institute for Quantitative Theory and Methods

Wu, Hao

-Member, High Performance Computing Committee

C. List service activities for your profession

Chang, Howard

-Proposal reviewer, National Academy of Sciences
-Proposal reviewer, NIEHS
-Proposal reviewer, Health Effects Institute

Chen, Nelson

-Reviewer, *Journal of Bioinformatics, Computational and Systems Biology*
-Reviewer, *Contemporary Clinical Trial*
-Reviewer, *Pharmaceutical Statistics*
-Reviewer, *Journal of Biopharmaceutical Statistics*

Clennon, Julie

-Journal reviewer, *International Journal of Health Geographics*
-Journal reviewer, *Scientific Data*
-Journal reviewer, *Tropical Medicine and International Health*

Guo, Ying

-Journal referee service for *Neuroimage, American Journal Of Epidemiology*
-Chair, Review Committee for the 2015 Student Paper Competition of American Statistical Association (ASA) Section in Imaging Statistics
-Organizer and Chair, the Topic-Contributed session "Recent advances in Independent Component Analysis with Applications to Imaging Studies" at Joint Statistical Meeting (JSM), Seattle, Aug, 2015.
-Organizer, the invited session "Recent Advances in Statistical Methods for Challenging Problems in Neuroimaging Applications" at International Chinese Statistical Association (ICSA) Applied Statistics Symposium, Atlanta, GA, June, 2016
-Organizer, the invited session "New Statistical Methods for Challenging Problems in Imaging Statistics" at 2nd Annual Conference on Statistical Methods in Imaging, Denver, Colorado, June, 2016.

Hanfelt, John

-Referee for *Journal of Applied Statistics, Entropy*
-Grant reviewer, Alzheimer's Association

Hu, Yijuan

- Organizer of an ENAR (2016) invited session
- Referee, *PLoS One* (2), *Biometrics* (1), *Genetic Epidemiology* (1), *Statistics in Medicine* (1)

Huang, Eugene

-Chair, External Visiting Committee, Interdisciplinary Statistics graduate (M.S.) degree program, H. Milton Stewart School of Industrial & Systems Engineering (ISyE) and School of Mathematics, Georgia Institute of Technology

- Program co-chair, Southern Regional Council on Statistics (SRCOS) 2016 Summer Research Conference, Bentonville, AR
- Grant reviewer, National Security Agency (NSA) – American Mathematical Society
- Referee for various statistical and medical journals

Kelley, Mary

- Statistical reviews for refereed journals: Psychiatry Research

Ko, Yi-An

- Reviewer, *Epidemiology* (3)

Kowalski, Jeanne

- Reviewer, NIH Biomedical Computing and Health Informatics
- Reviewer, NCI Omnibus Special Emphasis Panel

Kundu, Suprateek

- Journal Referee, for the *Journal of American Statistical Association*, *Journal of the Royal Statistical Society*, *Annals of Applied Statistics*, *Journal of Computational and Graphical Statistics*, *Biometrics*, and *Biostatistics*.
- Co-organizer of Georgia Statistics Day in 2015, and 2016.
- Served on the panel of experts for reviewing the NSF grant funding mechanism titled “Neural and Cognitive System (NCS) Panel D - P161646 – Sensory Motor, April 21-22 2016
- Co-organizer of Georgia Statistics Day in 2015, and 2016.

Kutner, Michael

- Texas A & M Alumni Board Member Department of Statistics
- Organize & Chair Session at SRCOS/SRC Statistical Education (Mike Speed & Chris Nachtsheim)
- Member, ASA Helen Walker Society

Liu, Yuan

- Member, Search Committee for enrolling senior and junior biostatistician in our shared resource
- Statistical Reviewer, CTRC at Winship Cancer Center

Long, Qi

- Member, Designing and Analyzing Clinical Trials for Personalized Medicine Working Group, NIH Clinical and Translational Science Award (CTSA) Program, 2015-present
- Member, program committee, 2016 ICASA Applied Statistics symposium, International Chinese Statistical Association (ICASA), Atlanta, GA
- Organizer, invited session, “Recent Advances in Statistical Methods for Handling Missing Data,” 25th ICASA Applied Statistics Symposium, Atlanta, GA, 2016
- Grant Reviewer, Congressionally Directed Medical Research Programs, Department of Defense, USA
- Reviewer for book proposal, Oxford University Press, 2016
- Member, Student Paper Competition Committee, Health Policy Statistics Section, American Statistical Association, 2015-2016

Lyles, Bob

- Reviewer, *Biostatistics*
- Reviewer, *Environmental Health Perspectives*
- Reviewer, *Journal of Statistical Planning and Inference*
- Reviewer, *Statistics in Medicine*
- Reviewer, *Annals of Epidemiology*

Manatunga, Amita

- Member, ACCE American Statistical Association
- Member, Data Safety Monitoring Committee, Project: Improving Primary Care in patients with Mental Disorders, PI: Ben Druss, MD
- Member, Data Safety Monitoring Committee, Project: Implementation of an Evidence Based PTSD Treatment in Public Sector Settings. PI: Marylene Cloitre
- Adhoc Member, Mental Health Services in Mental Health Specialty Setting (SRSP) Study Section, NIH, June
- Member, ZRG1 CB-W (50) R - RFA-GM-16-003: Maximizing Investigators' Research Award for New and Early Stage Investigators (R35), NIH, March
- Referee, *Biometrics* and *Statistics in Medicine*

Moore, René

- Member, ENAR RECOM
- Committee Member, ENAR Fostering Diversity in Biostatistics
- Vice-Chair, ASA COM
- Chair, StatFest

Peng, Limin

- Standing member of NIH BMRD Study Section
- ENAR Regional Advisory Board (RAB)

Qin, Steve

- Served on NIH BD2K K00 study section in July 2015
- Served on NIH NCI R03/R21 study section in November 2015
- Served on NIH NCI P30 study section in January 2015
- Served on NIH NHGRI U24 study section in June 2016
- Served on NIH Special Emphasis Panel study section in June 2016
- Served on the student paper committee chair for the ACM-BCB conference in Atlanta, September 2015
- Served on the Student Paper Award selection committee for ICSA 2016 Applied Statistics Symposium.
- Served on the Program Committee for the Third Taihu International Statistical Forum at Shanghai.

Safo, Sandra

- Invited Session Organizer, ICSA 2016

Switchenko, Jeff

- Session Chair, Joint Statistical Meetings, 2015, Seattle WA

Waller, Lance

- Member, Eastern North American Region (ENAR) of the International Biometric Society Social Media Committee, June 2016-Present.
- Member, Eastern North American Region (ENAR) of the International Biometric Society Education Committee, June 2016-Present.
- Member, National Academies of Science, Committee on Applied and Theoretical Statistics
- Invited participant, Spatiotemporal Statistics Summit, Environmental Systems Research Institute (ESRI), Redlands, CA.
- Manuscript referee (28 manuscripts in August 2015-July 2016).
- Tenure and promotion reviews (multiple).
- Grant review: FWO Foundation (Belgium), 3 proposals.
- Grant review panel: CDC National Center for Health Statistics, NCHS R03, RFA SH16-001, Research and Methods in Health Statistics.
- External Advisory Board, Models of Infectious Disease Agent Study (MIDAS), May 2016-Present.
- Organizing Committee and discussion leader, Workshop for Big Data and Analytics for Infectious Disease Research, Operations, and Policy, National Academies of Sciences, Medicine, and Engineering Forum on Microbial Threats, May 2016.
- Organizing Committee for Workshop on Refining the Concept of Inference when Working with Big Data, Committee on Applied and Theoretical Statistics, National Academy of Science, January-June 2016.
- Member, Study Section, ZRG1 IMST-T (50) Panel Review: Pre-meeting Orientation Institutional Predoctoral Training Programs in Biomedical Big Data Science, October 2015.

Yu, Tianwei

- Co-organized (with Steve Qin) the workshop “Novel enabling technologies in mining massive biomedical data (MMBD)” at ACM-BCB 2015

D. List editorial boards or editorships

Chen, Nelson

- Member, Editorial Board of *Journal of Bioinformatics, Computational and Systems Biology*

Clennon, Julie

-Associate Editor, *PLOS-NTD*

Guo, Ying

-Editorial Board: Statistical Editor, *Psychosomatic Medicine*

Haber, Michael

-Reviewed manuscripts for: *Communications in Statistics, Eurosurveillance, Journal of Infectious and Noninfectious Diseases, Journal of Pediatrics, Pediatrics, PLOS one.*

Kowalski, Jeanne

-Co-Editor, Applied Biostatistics and Bioinformatics in Cancer Research Book Series
-Member, Editorial Board, The Open Medical Informatics Journal Direct Mathematical Biology Section ISSN 1745-6150
-Member, Editorial Board, SM Journal of Biometrics & Biostatistics
- Member, Editorial Board, Austin Hematology
- Associate Editor, Translational Genetics and Genomics (tggjournal.com)

Long, Qi

-Associate Editor, Biometrics
-Associate Editor, BMC Medical Research Methodology.
-Editorial Board, Journal of the American Heart Association.
-Editorial Board, Scientific Reports

Lyles, Bob

-Statistical Editor, *American Journal of Epidemiology*
-Associate Editor, *Environmetrics*

Manatunga, Amita

-Associate Editor, *Biometrics*
-Associate Editor, *Life Time Data Analysis*
-Associate Editor, *Sri Lankan Journal of Applied Statistics*

Peng, Limin

-Associate Editor for the *Journal of American Statistical Association*
-Associate Editor for *Biometrics*
-Referee for *Biometrics, Biostatistics, Journal of American Statistical Association, Journal of Statistical Computation and Simulation, Lifetime Data Analysis, and Scandinavian Journal of Statistics.*

Qin, Steve

-Associate Editor, *Statistics in BioSciences*
-Editorial Board, *PLoS ONE*

Waller, Lance

-Editorial Board, *Scientific Data*, Nature Publishing Group
-Editorial Board for Applied Environmental Statistics Series, Chapman & Hall/CRC Press (June 2013-Present)

Weiss, Paul

-Statistical reviewer, the Lancet family of journals (reviewed over fifty articles in the annual report period)

Yu, Tianwei

-Editorial board member, *Current Metabolomics*, Bentham Science Publishers
-Review Editor, *Frontiers in Genetics*, Frontiers Research Foundation

E. List public health practice activities (consultations, technical assistance, funding programs targeting public health needs)

Chang, Howard

-Participant, SAMSI-SAVI Workshop on Statistical Methods and Analysis of Environmental Health Data

Chen, Nelson

-Member, review committee of Research Technologies Program at the Atlanta Clinical & Translational Science Institute (ACTSI) 2016 and reviewed two grants

Ko, Yi-An

- Statistical Consultant for;
 - o Rita Wakim, PhD student, Health Services Research & Health Policy
 - o Two faculty members at Georgia State University
 - o One postdoctoral research fellow at Georgia Institute of Technology
 - o Resilience Initiative (Summer Series), Cardiovascular Research Institute, Morehouse School of Medicine

Long, Qi

-Organizer and Instructor, Workshop Series on Handling Missing Data at the Georgia Department of Public Health (also open to the Centers for Disease Control and Prevention).

Lyles, Bob

- Provider of statistical consultations, Biostatistics, Epidemiology Research and Design (BERD) component of the Atlanta Clinical and Translational Sciences Institute (ACTSI)
- Director and provider of statistical consultations: Biostatistical Core, Emory Center for AIDS Research (CFAR)

Manatunga, Amita

-Consultant for various investigators from School of Medicine at Emory regarding research design aspects in their grant applications

Moore, René

- Data Safety and Monitoring Board (DSMB) member for
 - i. Optimizing Treatment for Early Pseudomonas aeruginosa Infection in Cystic Fibrosis Trial (OPTIMIZE), NHLBI
 - ii. Testing the Effect of Adding Chronic Azithromycin to Inhaled Tobramycin (TEACH), NHLBI
 - iii. Regional versus General Anesthesia for Promoting Independence after Hip Fracture (REGAIN) Trial, PCORI
- Expert Panel Member for Adverse Childhood Experiences (ACEs) and Weight Trials, Office of Women's Health (OWH)

Peng, Tiffany

- Providing statistical support to the diabetes research group led by Dr. Guillermo Umpierrez
- Collaborating with Dr. Rabindra Tiroubanziam's team on early childhood Cystic Fibrosis
- Collaborating with Dr. HuiChuan Lai at UW-Madison on her R01 on Cystic Fibrosis
- Collaborating with Dr. Xiaoxian Li on several breast cancer research projects

Safo, Sandra

- Statistical Consultant for a Medical Student at Emory School of Medicine
- Statistical Consultant for a MPH student at Georgia State University

Waller, Lance

-Media expert list, American Statistical Association. Interpreted health statistics outcomes for *Wall Street Journal*

Weiss, Paul

- Worked with epidemiology trainees in Tokyo, Japan, in designing their studies and analyzing data from their studies. This work has resulted in paper and poster presentations and two published articles.

IV. RESEARCH/SCHOLARSHIP ACHIEVEMENTS

A. List full citations of articles published in refereed journals during the academic year*

Binongo, José

Jensen HA, Thourani VH, Forcillo J, Condado JF, **Binongo JN**, Babaliaros V, Lasanajak Y, Leshnower B, Devireddy C, Guyton R, Mavromatis K, Block P, Simone A, Keegan P, Stewart J, Tsai LL, Rajaei MH, Lerakis S, Sarin EL. 2016. Does a Higher Society of Thoracic Surgeons Score Predict Outcomes in Transfemoral and Alternative Access Transcatheter Aortic Valve Replacement? *Annals of Thoracic Surgery*. PMID: 27209615

Ramadan R, Dhawan SS, **Binongo JN**, Alkhoder A, Jones DP, Oshinski JN, Quyyumi AA. 2016. Effect of Angiotensin II Type I Receptor Blockade with Valsartan on Carotid Artery Atherosclerosis: A Double Blind Randomized Clinical Trial Comparing Valsartan and Placebo (EFFERVESCENT). *American Heart Journal* 174:68-79. PMID: 26995372.

Keeling WB, Leshnowar BG, Lasajanak Y, **Binongo JN**, Guyton RA, Halkos ME, Thourani VH, Lattouf OM. 2016. Midterm benefits of surgical pulmonary embolectomy for acute pulmonary embolus on right ventricular function. *Journal of Thoracic & Cardiovascular Surgery*. PMID: 26992603.

Sancheti MS, Melvan JN, Medbery RL, Fernandez FG, Gillespie TW, Li Q, **Binongo JN**, Pickens A, Force SD. {bf 2016.} Outcomes after Surgery in High-Risk Patients with Early Stage Lung Cancer. *Annals of Thoracic Surgery*. PMID: 26572255.

Keeling WB, **Binongo JN**, Sarin EL, Leshnowar BG, Chen EP, Lattouf OM, Thourani VH, Guyton RA, Halkos ME. 2016. Predicted Risk of Mortality, Transfusion, and Postoperative Outcomes in Isolated Primary Valve Operations. *Annals of Thoracic Surgery*. PMID: 26482780.

Dong DY, **Binongo JN**, Kancherla V. Maternal Chlamydia Infection During Pregnancy and Risk of Cyanotic Congenital Heart Defects in the Offspring. 2016. *Maternal & Child Health Journal* 20(1):66-76. PMID: 26156829

Gilmore RC, Thourani VH, Jensen HA, Condado J, **Binongo JN**, Sarin EL, Devireddy CM, Leshnowar B, Mavromatis K, Syed A, Guyton RA, Block PC, Simone A, Keegan P, Stewart J, Rajaei M, Kaebnick B, Lerakis S, Babaliaros VC. 2015. Transcatheter Aortic Valve Replacement Results in Improvement of Pulmonary Function in Patients With Severe Aortic Stenosis. *Annals of Thoracic Surgery* 100(6):2167-73. PMID: 26277560.

Murphy DA, Moss E, **Binongo JN**, Miller JS, Macheers SK, Sarin EL, Herzog AM, Thourani VH, Guyton RA, Halkos ME. 2015. The Expanding Role of Endoscopic Robotics in Mitral Valve Surgery: 1,257 Consecutive Procedures. *Annals of Thoracic Surgery* 100(5):1675-81. PMID: 26296272.

Shen J, Poole JC, Topel ML, Bidulescu A, Morris AA, Patel RS, **Binongo JN**, Dunbar SB, Phillips L, Vaccarino V, Gibbons GH, Quyyumi AA. Subclinical Vascular Dysfunction Associated with Metabolic Syndrome in African Americans and Whites. 2015. *Journal of Clinical Endocrinology & Metabolism* 100(11):4231-9. PMID: 26151335

Jensen HA, Condado JF, Devireddy C, **Binongo JN**, Leshnowar BG, Babaliaros V, Sarin EL, Lerakis S, Guyton RA, Stewart JP, Syed AQ, Mavromatis K, Kaebnick B, Rajaei MH, Tsai LL, Rahman A, Simone A, Keegan P, Block PC, Thourani VH. 2015. Minimalist Transcatheter Aortic Valve Replacement: The New Standard for Surgeons and Cardiologists Using Transfemoral Access? *Journal of Thoracic & Cardiovascular Surgery* 150(4):833-9. PMID: 26318351.

Chang, Howard

Fang T, Verma V, Bates JT, Abrams J, Klein M, Strickland MJ, Sarnat SE, **Chang HH**, Mulholland JA, Tolbert PE, Russell AG, Weber RJ (2016). Oxidative Potential of Ambient Water-Soluble PM2.5 Measured by Dithiothreitol and Ascorbic Acid Assays in the Southeastern United States: Contrasts in Sources and Health Associations. *Atmospheric Chemistry and Physics*, 16, 3865-3879.

Friberg MD, T Zhai Z, Holmes HA, Russell AG, Mulholland JA, **Chang HH**, Strickland MJ, Sarnat SE, Tolbert PE (2016). Blending of Observational Data and Chemical Transport Model Simulations for Developing Spatiotemporal Air Pollutant Concentrations for Use in Health Studies. *Environmental Sciences & Technology* 50, 3695-3705.

Sheehan MC, Lam J, Navas-Acien A, **Chang HH** (2016). Ambient air pollution epidemiology systematic review and meta-analysis: a review of reporting and methods practice. *Environment International*, 92-93, 647-656.

Winqvist A, Grundstein A, **Chang HH**, Hess J, Sarnat SE (2016). Warm season temperatures and emergency department visits in Atlanta, Georgia. *Environmental Research*, 147, 314-323.

Strickland MJ, Hao H, Hu X, **Chang HH**, Darrow LA, Liu Y (2016). Pediatric emergency visits and short-term changes in PM2.5 concentrations in U.S. State of Georgia. *Environmental Health Perspectives*, 124, 690-696.

Alhanti BA, **Chang HH**, Winqvist A, Darrow LA, Mulholland JA, Sarnat SE (2016). Ambient air pollution and emergency department visits for asthma: a multi-city assessment of effect modification by age. *Journal of Exposure Science and Environmental Epidemiology* 26, 180-188.

Gray SC, Massaro Y, Edholm C, Grotheer R, Chen I, Zheng Y, **Chang HH** (2016). A County-Level Analysis of Persons Living with HIV in the Southern United States. *AIDS Care*. 28, 266-272.

Bates JT, Weber RJ, Abrams J, Verma V, Fang T, Klein M, Strickland, Sarnat SE, **Chang HH**, Mulholland JA, Tolbert PE, Russell AG (2015). Reactive oxygen species generation linked to sources of atmospheric particulate matter and cardiorespiratory effects. *Environmental Sciences & Technology*, 49, 13605-13612.

Clasen TF, Alexander KT, Sinclair D, Boisson S, Peletz R, **Chang HH**, Majorin F, Cairncross S (2015). Interventions to improve water quality for preventing diarrhoea. *Cochrane Database of Systematic Reviews*, 10, Art. No.: CD004794.

Krall JR, **Chang HH**, Sarnat SE, Peng RD, Waller LA (2015). Statistical methods for estimating associations between PM chemical constituents and health in epidemiologic studies. *Current Environmental Health Reports*. 2, 388-398.

Hao H, Lovasik B, Pastan S, **Chang HH**, Patzer R (2015). Geographic variation and neighborhood factors are associated with low rates of pre-end-stage renal disease nephrology care. *Kidney International*, 88, 614-621.

Chen, Nelson

Owonikoko TK, Zhang G, Kim HS, Stinson RM, Bechara R, Zhang C, **Chen Z**, Saba NF, Pakkala S, Pillai R, Deng X, Sun SY, Rossi MR, Sica GL, Ramalingam SS, Khuri FR. Patient-derived xenografts faithfully replicated clinical outcome in a phase II co-clinical trial of arsenic trioxide in relapsed small cell lung cancer. *J Transl Med*. 2016; 14(1):111.

Abugideiri M, Nanda RH, Butker C, Zhang C, Kim S, Chiang KY, Butker E, Khan MK, Haight AE, **Chen Z**, Esiashvili N. Factors Influencing Pulmonary Toxicity in Children Undergoing Allogeneic Hematopoietic Stem Cell Transplantation in the Setting of Total Body Irradiation-Based Myeloablative Conditioning. *Int J Radiat Oncol Biol Phys*. 2016; 94(2):349-59.

Kendi AT, Corey A, Magliocca KR, Galt JR, Zhang C, **Chen Z**, Higgins K, Beitler JJ, Wadsworth JT, El-Deiry MW, Schuster DM, Saba NF, Hudgins PA. Is there a role for PET/CT parameters to differentiate thyroid cartilage invasion from penetration? *Eur J Radiol*. 2016; 85(2):319-23.

Patel KR, Burri SH, Asher AL, Crocker IR, Fraser RW, Zhang C, **Chen Z**, Kandula S, Zhong J, Press RH, Olson JJ, Oyesiku NM, Wait SD, Curran WJ, Shu HG, Prabhu RS. Comparing Preoperative With Postoperative Stereotactic Radiosurgery for Resectable Brain Metastases: A Multi-institutional Analysis. *Neurosurgery*. 2015 (In press).

Qian G, Hu Z, Xu H, Müller S, Wang D, Zhang H, Kim S, **Chen Z**, Saba NF, Shin DM, Wang AY, Chen ZG. A novel prediction model for human papillomavirus-associated oropharyngeal squamous cell carcinoma using p16 and subcellular β -catenin expression. *J Oral Pathol Med*. 2015 (In press).

Behera M, Ragin C, Kim S, Pillai RN, **Chen Z**, Steuer CE, Saba NF, Belani CP, Khuri FR, Ramalingam SS, Owonikoko TK. Trends, predictors, and impact of systemic chemotherapy in small cell lung cancer patients between 1985 and 2005. *Cancer*. 2016; 122(1):50-60.

Patel BK, Shah NA, Galgano SJ, Newell M, Wang Z, **Chen Z**, D'Orsi CJ. Does Preoperative MRI Workup Affect Mastectomy Rates and/or Re-excision Rates in Patients with Newly Diagnosed Breast Carcinoma? A Retrospective Review. *Breast J*. 2015; 21(6):604-9.

Shaib WL, Goodman M, **Chen Z**, Kim S, Brucher E, Bekaii-Saab T, El-Rayes BF. Incidence and Survival of Appendiceal Mucinous Neoplasms: A SEER Analysis. *Am J Clin Oncol*. 2015 (In press).

Meany HJ, Seibel NL, Krailo M, Villaluna D, **Chen Z**, Gaynon P, Neglia JP, Park JR, Hutchinson R, Sato JK, Wells RJ, Woods WG, Reaman G. Feasibility Study of a Novel Experimental Induction Protocol Combining B43-PAP (Anti-CD19) Immunotoxin With Standard Induction Chemotherapy in Children and Adolescents With Relapsed B-Lineage ALL: A Report From the Children's Oncology Group. *J Immunother*. 2015; 38(7):299-305.

Becker-Weidman D, Kalb B, Mittal PK, Harri PA, Arif-Tiwari H, Farris AB 3rd, **Chen Z**, Sungjin K, Martin DR. Differentiation of lipid-poor adrenal adenomas from non-adenomas with magnetic resonance imaging: Utility of dynamic, contrast enhancement and single-shot T2-weighted sequences. *Eur J Radiol*. 2015; 84(11):2045-51.

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Hanfelt, John

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Huang, Eugene

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Kelley, Mary

Kalokhe AS, Stephenson R, **Kelley ME**, Dunkle KL, Paranjape A, Solas V, Karve L, del Rio C, Sahay S. The development and validation of the Indian Family Violence and Control Scale. *PloS One*, In press.

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Ko, Yi-An

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Kowalski, Jeanne

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Kundu, Suprateek

Kundu, S., & Kang, J. Semi-parametric Conditional Graphical Models for Imaging Genetics Applications. *Stat* (2016)

Kutner, Michael

Kim Love, Eric A. Vance, Frank E. Harrell, Jr., Dallas E. Johnson, **Michael H. Kutner**, Ronald D. Snee, Doug Zahn. Developing a Career in the Practice of Statistics: The Mentor's Perspective. *The American Statistician* (Accepted)

Leong, Traci

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Liu, Yuan

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Long, Qi

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Zhao, Y.*, Kang, J., and **Long, Q.** (2016) Bayesian Multiresolution Variable Selection for Ultra- High Dimensional Neuroimaging Data. *IEEE/ACM Transactions on Computational Biology and Bioinformatics*, in press.

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Lyles, Bob

Edlund, A.F., Zheng, Q., Lowe, N., Kuseryk, S., Ainsworth, K.L., **Lyles, R.H.**, Sibener, S.J., and Preuss, D. "Pollen from *Arabidopsis thaliana* and Other Brassicaceae are Functionally Omniperturate", *American Journal of Botany* (in press).

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Manatunga, Amita

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Moore, René

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Peng, Limin

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Qin, Steve

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Switchenko, Jeff

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Kendi TK, Mudalegundi S, **Switchenko J**, Lee D, Halkar R, Chen AY. Assessment of the role of different imaging modalities with emphasis on Fdg Pet/Ct in the management of well differentiated thyroid cancer (WDTC). *Journal of Thyroid Disorders & Therapy*. Accepted 2/24/16.

Don H, Dossul T, Bernal L, **Switchenko J**, Ndibe C, Ibraheem A, Dixon M, Langston A, Nooka A, Flowers C, Pentz R, Waller E. Referral patterns and clinical outcomes for transplant-eligible lymphoma and myeloma patients evaluated at an urban county hospital. *Journal of Stem Cell Research & Therapy*. Accepted 2/12/16.

Waller, Lance

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Brooke RJ, Tuenis P, Kretzschmar M, Schneeberger P, **Waller LA** (2016, to appear) Use of a dose response model to study temporal trends in spatial exposure to *Coxiella burnetii*: Analysis of a multi-year outbreak of Q fever. *Zoonoses and Public Health*.

Brooke RJ, Kretzschmar MEE, Hackert V, Hoebe C, JPA, Teunis PFM, **Waller LA** (2016, to appear) Spatial prediction of *Coxiella burnetii* outbreak exposure and asymptomatic infections with notified case counts in a dose-response model. *Epidemiology*.

Ward, Laura

Ofotokun I, Titanji K, Lahiri CD, Vunnava A, Foster A, Sanford SE, Sheth AN, Lennox JL, Knezevic A, Ward L, Easley KA, Powers P, Weitzmann MN (2016, to appear) A Single Dose Zoledronic Acid Infusion Prevents Antiretroviral Therapy-Induced Bone Loss in Treatment-naïve HIV-infected Patients: a Phase IIb Trial. *Clinical Infectious Disease*

Weiss, Paul

Seib K, Herbert N, Gargano L, Sales J, Morfaw C, **Weiss P**, Murray D, Vogt T, Diclemente R, Hughes J. Pre-existing chronic health conditions and health insurance status associated with vaccine receipt among adolescents. Accepted for publication in the *Journal of Adolescent Health* October 16, 2015. Publication date TBD.

Wu, Hao

Wang F, Zhang N, Wang J, **Wu H***, Zheng X* (2016) Tumor purity and differential methylation in cancer epigenomics. Accepted. *Briefings in Functional Genomics*.

Qian X, Nguyen HN, Song MM, Hadiono C, Ogden SC, Hammack C, Yao B, Hamersky G, Jacob F, Zhong C, Yoon K, Jeang W, Li L, Li Y, Thakor J, Berg D, Zhang C, Kang E, Chickering M, Naeun D, Wen Z, Christian KM, Ho CY, Shi PY, Maher B, **Wu H**, Jin P, Tang H, Song H and Ming GL. (2016) Brain Region-specific Organoids using a Miniaturized Spinning Bioreactor and Modeling of Zika Virus Exposure. Accepted. *Cell*.

Yu, Tianwei

Liu H, Li P, Zhu M, Wang X, Lu J#, **Yu T#** (2016) Nonlinear network reconstruction from gene expression data using marginal dependencies measured by DCOL. **PLoS ONE**, Accepted. (# Joint correspondence authors)

C. List full citations of book chapters authored and published or in press during the academic year

Chang, Howard

Chang HH (2016). Data assimilation for environmental pollution fields. *Handbook of Spatial Epidemiology*. Ed. Lawson AB, Banerjee S, Haining RP, Ugarte MD. Chapman and Hall/CRC

Hu, Yijuan

Sun, Y. V., **Hu, Y. J.** (2015) Integrative Analysis of Multi-omics Data for the Discovery and Functional Studies of Complex Human Diseases. *Advances in Genetics, Elsevier.*

Ko, Yi-An

Mukherjee, B., Chen, Y.-H., **Ko, Y.-A.**, He, Z., Lee, S., Zhang, M., Park, S.K. Statistical strategies for modeling gene-environment interactions in longitudinal cohort studies. In Windle, M. (Ed.), *Statistical Approaches to Gene-Environment Interactions for Complex Phenotypes*. Cambridge, MA: *MIT Press*. In press.

Switchenko, Jeff

Waller LA, Wheeler DC, **Switchenko JM.** Focused clustering: Statistical analysis of spatial patterns of disease around putative sources of increased risk. *Handbook of Spatial Epidemiology*. 2016

Waller, Lance

Waller LA (2016) Geospatial data for public health. In *Environmental Health: From Global to Local*, Editor H Frumkin. Jossey-Bass, pp. 111-22.

Waller LA, Wheeler DC, and Switchenko J (2016) Focused clustering: Statistical analysis of spatial patterns of disease around putative sources of increased risk. In *Handbook of Spatial Epidemiology*, Editor AB Lawson, S Banerjee, RP Haining, MD Ugarte. Boca Raton: CRC/Chapman and Hall, pp. 251-270.

Waller LA (in press) Disease mapping, Hierarchical models for. *Wiley Statistics Reference Online*. DOI: 10.1002/9781118445112.stat07600.pub2

Waller LA (in press) Environmental justice, Statistics in. *Wiley Statistics Reference Online*. DOI: 10.1002/9781118445112.stat03786.pub2

Weiss, Paul

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Wu, Hao

Wu Z, **Wu H** (2016) Experimental Design and Power Calculation for RNA-seq Experiments. *Methods in Statistical Genomics, Methods Mol Biol*. Humana Press, Springer.

D. List full citations of edited or authored books published or in press the academic year

None.

E. List grants, contracts or cooperative agreements funded during the academic year

Binongo, José

1. PI: Kalogeropoulos
2. Role: Co-Principal Investigator
3. Title of project: Preoperative Right Ventricular Function and Left Ventricular Assist Device Outcome
4. Funding agency: American Heart Association

1. PI: Halkos
2. Role: Mentor
3. Title of project: Operative Strategies to Reduce Stroke After Coronary Artery Bypass Surgery
4. Funding agency: National Heart, Lung, and Blood Institute

1. PI: Vin Tanqpricha
2. Role: Co-Investigator
3. Title of project: Vitamin D for Enhancing the Immune System in Cystic Fibrosis (DISC) Trial
4. Funding agency: Cystic Fibrosis Foundation and the Cystic Fibrosis Foundation Therapeutic Drug Network; National Center for Advancing Translational Sciences of the NIH

Chang, Howard

1. PI: Liu
2. Role: Co-Investigator

3. Title of project: EVI-3 Multi-Angle Imager for Aerosols (MAIA) Proposal
4. Funding agency: NASA

1. PI: **Chang** (Sub), Prime: Russell
2. Role: Sub-contract Principal Investigator from GA Tech
3. Title of project: Assessing Air Quality Fields Developed Using Alternative Methods for Exposure and Epidemiological Studies, Phase I: Intercomparison of Air Quality Fields for Ozone, NO₂, CO, SO₂, PM_{2.5}, and PM_{2.5} Species.
4. Funding agency: Electric Power Research Institute

Chen, Nelson

1. PI: Goodman
2. Role: Co-Investigator
3. Title of project: PET Imaging Agents for 5-HT_{2C}
4. Funding agency: NIH/NIMH

1. PI: Marcus
2. Role: Co-Investigator
3. Title of project: Defining Early Escape Strategies in LKB1 Mutant Lung Cancer
4. Funding agency: NIH/NCI

1. PI: Marcus
2. Role: Co-Investigator
3. Title of project: Developing a Pharmacologic Approach to Treat LKB1 Mutant NSCLC
4. Funding Agency: NIH/NCI

1. PI: Kucuk
2. Role: Co-Investigator
3. Title of project: A Dietary Supplement as Adjunct Therapy in Castration-Resistant Prostate Cancer
4. Funding agency: NIH/NCI

Easley, Kirk

1. PI: Roback
2. Role: Co-Investigator
3. Title of project: Serious Hazards of Transfusion and Cellular Therapies: Mechanisms and Intervention
4. Funding agency: NHLBI

1. PI: Jacob/Steinberg
2. Role: Co-Investigator
3. Title of project: Prevention Epicenter of Emory and Atlanta Consortium Hospitals (PEACH)
4. Funding agency: CDC

1. PI: Chahroudi
2. Role: Co-Investigator
3. Title of project: Targeting Beta-catenin to Disrupt the T Memory Stem Cell Reservoir
4. Funding agency: NIAID

1. PI: Weitzmann/Ofotokun
2. Role: Co-Investigator
3. Title of project: Accelerated Bone Loss in Aging HIV-Infected Individuals
4. Funding agency: NIAMS

1. PI: Silvestri
2. Role: Co-Investigator
3. Title of project: Antiviral Role of CD8⁺ T Cells in ART-treated SIV-infected Macaques
4. Funding agency: NIAID

Guo, Ying

1. PI: **Guo**
2. Role: Principal Investigator
3. Title of project: Statistical ICA Methods for Analysis and Integration of Multi-dimensional Data Diversity Supplement

4. Funding agency: NIH

1. PI: Patel
2. Role: Co-Investigator
3. Title of project: Red Cell Transfusion, Severe Anemia and Necrotizing Enterocolitis
4. Funding agency: NIH

1. PI: Waldrop-Valverde
2. Role: Co-Investigator
3. Title of project: Research to Eliminate AIDS Disparities in Spanish-language Communities
4. Funding agency: NIH

1. PI: Yu
2. Role: Co-Investigator
3. Title of project: Sub Award for Phase II Stroke Treatment by Chemically-Induced Hypothermia
4. Funding agency: NIH

Haber, Michael

1. PI: **Haber**
2. Role: Principal Investigator
3. Title of project: Estimation of Global Influenza-related Mortality
4. Funding agency: CDC

1. PI: Morris
2. Role: Co-Investigator
3. Title of project: Phase 3 RCT of Arginine Therapy for Pediatric SCD Pain
4. Funding agency: FDA

Hanfelt, John

1. PI: Hajjar
2. Role: Co-Investigator
3. Title of project: A Biomarker-driven Trial of Angiotensin Receptor Blockers for Prodromal Alzheimer's Disease
4. Funding agency: NIH/NIA

Hu, Yijuan

1. PI: **Hu**
2. Role: Principal Investigator
3. Title of project: Association Tests of Rare Variants Using Sequence Reads without Calling Genotypes
4. Funding agency: NIH/NIGMS

1. PI: **Hu**
2. Role: Principal Investigator
3. Title of project: Epigenome-wide Association Study of Asthma in Populations of African Descent
4. Funding agency: NIH/NIAID

1. PI: Sun and Jinnha
2. Role: Co-Investigator
3. Title of project: Identification of Genetic and Metabolomic Markers Influencing Dystonia
4. Funding agency: NIH/NINND

1. PI: Sun
2. Role: Co-Investigator
3. Title of project: Statistical Methods for RNA-seq Data Analysis
4. Funding agency: NIH/NIGMS

1. PI: Curran
2. Role: Co-Investigator
3. Title of project: Emory/Atlanta Center for AIDS Research (CFAR)
4. Funding agency: NIH

Huang, Eugene

1. PI: Sanda

2. Role: Co-Investigator
3. Title of project: Emory, Harvard and University of Washington Prostate Cancer Biomarker Center
4. Funding agency: NIH

Ko, Yi-An

1. PI: Taylor
 2. Role: Biostatistician
 3. Title of project: Morehouse/Emory Cardiovascular (MECA) Center for Health Equity
 4. Funding agency: American Heart Association
-
1. PI: Kim
 2. Role: Consultant
 3. Title of project: Sub-Clinical Vascular Dysfunction in American-Style Football Players: Temporal Trends, Mechanisms, and Effects on Ventriculo-Arterial Coupling
 4. Funding agency: NIH
-
1. PI: Morris
 2. Role: Consultant
 3. Title of project: Metabolomics, Oxidative Stress, and Vascular Function in Heart Failure Patients
 4. Funding agency: NIH

Kowalski, Jeanne

1. PI: Kowalski and Matsui (Hopkins)
 2. Role: Principal Investigator (Emory) (subcontract)
 3. Title of project: Proteostasis and Stem Cell Aging
 4. Funding agency: NIH
-
1. PI: Marcus (Winship)
 2. Role: co-investigator
 3. Title of project: Genomic and Molecular Dissection of the Collective Invasion Pack
 4. Funding agency: NIH

Kundu, Suprateek

1. PI: Koplan and **Kundu**
 2. Role: Co-Principal Investigator
 3. Title of project: Child Health and Mortality Prevention Surveillance (CHAMPS) Network
 4. Funding agency: Bill and Melinda Gates Foundation
-
1. PI: Sharma, Prior, **Kundu**
 2. Role: Co-Principal Investigator
 3. Title of project: Resources for Development and Validation of Radiomic Analyses & Adaptive Therapy
 4. Funding agency: NCI

Kutner, Michael

1. PI: Vaccarino
2. Role: Teacher, Mentor
3. Title of project: Multidisciplinary Research Training to Reduce Inequities in Cardiovascular Health (METRIC) T32
4. Funding agency: NHLBI

Leong, Traci

1. PI: Vaughn
 2. Role: Co-Investigator
 3. Title of project: EQUIPPED "Advanced Patient Safety Implementation Through Safe Medication Use Research"
 4. Funding agency: Agency for Healthcare Research and Quality (AHRQ)
-
1. PI: Immergluck
 2. Role: Mentor
 3. Title of project: Applying Geospatial Statistical Analyses to Assess Socio-ecological Risks for Antibiotic Resistant Infections in Children

4. Funding agency: NIH

Long, Qi

1. PI: **Long**
2. Role: Principal Investigator
3. Title of project: Advancing mHealth using Big Data Analytics: Statistical and Dynamical Systems Modeling of Real-Time Adaptive m-Intervention for Pain
4. Funding agency: NSF

1. PI: **Long**
2. Role: Principal Investigator
3. Title of project: Coordinating Center for Infant Aphakia Treatment Study (IATS)
4. Funding agency: NEI

1. PI: Narayan
2. Role: Co- Investigator
3. Title of project: Association of Persistent Organic Pollutants with Incident Diabetes in India
4. Funding agency: NIH/NIDDK

1. PI: Vaccarino
2. Role: Mentor
3. Title of project: Multidisciplinary Training in Research on Inequities in Cardiovascular Health T32
4. Funding agency: NIH

Manatunga, Amita

1. PI: Marcus
2. Role: Co-Investigator
3. Title of project: Collaborative Research and Action: Empowering an Exposed Community
4. Funding agency: NIH/NIEHS

1. PI: Gander
2. Role: Mentor
3. Title of project: Deciphering the Treatment Risks: A Decision Support Tool for Transplant Candidates
4. Funding agency: NIH

Mehta, Christina

1. PI: Neigh
2. Role: Biostatistician
3. Title of project: Biological Mechanisms of Stress Disorders Co-Morbid with HIV in African Americans
4. Funding agency: NIH

1. PI: DeLille Lahiri
2. Role: Biostatistician
3. Title of project: Defining Antiretroviral Pharmacology within HIV-1 Reservoirs of Males and Females
4. Funding agency: NIH/NIMH

1. PI: Titanji
2. Role: Biostatistician
3. Title of project: Reversing HIV-induced B Cell Dysfunction with Bisphosphonates
4. Funding agency: NIH

1. PI: Flowers/DeLille Lahiri
2. Role: Biostatistician
3. Title of project: New Strategies to Assess Anal Cancer in Women
4. Funding agency: NIH

1. PI: Moran
2. Role: Biostatistician
3. Title of project: Predicting Subclinical Cardiovascular Disease in HIV-infected Women using a Biomarker Score
4. Funding agency: BMS Virology Research Fellowship

1. PI: Iyer

2. Role: Biostatistician
3. Title of project: Single Cell Transcriptional Profiling of HIV Target CCR5+ α 4 β 7+CD4+ T Cells in the Female Genital Tract
4. Funding agency: NIH

Moore, René

1. PI: Kral (University of Pennsylvania)
2. Role: Co-Investigator
3. Title of project: Eating Phenotypes for Childhood Obesity in the Context of Familial Obesity Risk
4. Funding agency: NIH

Nizam, Azhar

1. PI: Sack and **Nizam**
2. Role: Co-Principal Investigator (Emory)
3. Title of project: Epidemiology and Ecology of Vibrio Cholerae in Bangladesh
4. Funding agency: NIH/NIAID

1. PI: Waller
2. Role: Co-Investigator
3. Title of project: Atlanta Summer Institute for Training in Biostatistics
4. Funding agency: HIM/HNLBI

1. PI: Romano and Long
2. Role: Co-Investigator
3. Title of project: MYRIAD: Mechanisms of Early Recurrence in Intracranial Atherosclerotic Disease
4. Funding agency: NIH/NINDS

1. PI: Blumberg
2. Role: Co-Investigator
3. Title of project: Role of Antigen Specific T Cell Responses in the Control of TB
4. Funding agency: NIH/NIAID

1. PI: Long
2. Role: Co-Investigator
3. Title of project: Coordinating Center for Infant Aphakia Treatment Study (IATS)
4. Funding agency: NIH/NEI

1. PI: Waller
2. Role: Co-Investigator
3. Title of project: Atlanta Summer Institute for Research Education in Biostatistics
4. Funding agency: NIH/NHLBI

Qin, Steve

1. PI: **Qin**
2. Role: Principal Investigator
3. Title of project: Developing Omicseq, an Omics Data Search Engine
4. Funding agency: NSF I-Corps

Safo, Sandra

1. PI: Sterk
2. Role: Trainee
3. Title of project: Advancing Methods for Integrative Analysis of Big Data: Assessing Genomic and Metabolomic Influences on Subclinical CVD in HIV-Infected Women
4. Funding agency: NIH (BIRCWVH Program)

Switchenko, Jeff

1. PI: Thomas (GA Tech); **Switchenko** (Emory PI)
2. Role: Emory Principal Investigator
3. Title of project: Breast Cancer Immunotherapy Targeting Sentinel Lymph Nodes
4. Funding agency: Susan G. Komen Foundation

1. PI: Thomas (GA Tech); **Switchenko** (Emory PI)

2. Role: Emory Principal Investigator
3. Title of project: Targeted Immunotherapy for Melanoma
4. Funding agency: Department of Defense

1. PI: Thomas
2. Role: Co-Investigator
3. Title of project: Melanoma Immunotherapy Targeting Sentinel Lymph Nodes
4. Funding agency: NIH

1. PI: Cohen
2. Role: Biostatistician
3. Title of project: Improving Outcomes for Patients with Mantle Cell Lymphoma
4. Funding agency: American Society of Hematology

Waller, Lance

1. PI: **Waller**
2. Role: Principal Investigator
3. Title of project: Statistical Support for Syndromic Surveillance
4. Funding agency: Georgia Department of Public Health

1. PI: **Waller**
2. Role: Principal Investigator
3. Title of project: Atlanta Summer Institute for Research Education in Biostatistics
4. Funding agency: NIH/NHLBI

Wu, Hao

1. PI: Blumberg
2. Role: Co-Investigator
3. Title of project: Role of Antigen Specific T Cell Responses in the Control of TB
4. Funding agency: NIH

1. PI: Lewis
2. Role: Co-Investigator
3. Title of project: Expectations of Discrimination and CVD Risk in African-American Women
4. Funding agency: NIH/NHLBI

1. PI: Murabito (Emory PI: Conneely)
2. Role: Co-Investigator
3. Title of project: Identifying Epigenetic Mechanisms Underlying Age-related Disease Risk in CHARGE
4. Funding agency: NIH/NIA

1. PI: Jin
2. Role: Co-Investigator
3. Title of project: Tet-mediated Epigenetic Modulation in Autism
4. Funding agency: NIH/NIMH

Yu, Tianwei

1. PI: Hajjar/Quyyumi
2. Role: Co-Investigator
3. Title of project: The Role of the Renin-angiotensin-endothelial Pathway in AD
4. Funding agency: NIH/NIA

1. PI: Hunter
2. Role: Co-Investigator
3. Title of project: B and T Cell Biology of Protection from and Eradication of SIV/SHIV Infection
4. Funding agency: NIH/NIAID

F. List grants, contracts and cooperative agreements pending

Chang, Howard

1. MPI: **Chang** and Warren (Contact)

2. Role: Co-Principal Investigator
 3. Title of project: Methods Development for the Analysis of Air pollution and Adverse Birth Outcomes.
 4. Funding Agency: NIH
1. PI: **Chang**
 2. Role: Principal Investigator
 3. Title of project: Data Integration Methods for Environmental Exposures with Application to Air Pollution and Asthma Morbidity
 4. Funding agency: NIH
1. PI: **Chang**
 2. Role: Principal Investigator
 3. Title of project: Data Fusion Methods for Air Pollution Exposure Assessment
 4. Funding agency: Atlanta Clinical & Translational Science Institute
1. MPI: **Chang**, Remais (Contact), Waller
 2. Role: Co-Principal Investigator
 3. Title of project: Spatio-temporal data integration methods for infectious disease surveillance
 4. Funding agency: NIH
1. PI: Sarnat
 2. Role: Co-Investigator
 3. Title of project: Air Pollution and Asthma Morbidity: A Multi-City Assessment of Susceptibility
 4. Funding agency: NIH
1. PI: Liu
 2. Role: Co-Investigator
 3. Title of project: Using Earth Observations to Support Regional and National Environmental Health Surveillance
 4. Funding agency: NASA
1. PI: Faruque
 2. Role: Co-Investigator
 3. Title of project: Estimation of Daily Airborne Fungal Spores for Health Impact Analysis
 4. Funding agency: NIH
1. PI: Clasen
 2. Role: Co-Investigator
 3. Title of project: Household Air Pollution and Health: a Multi-country LPG Intervention Trial
 4. Funding Agency: NIH

Chen, Nelson

1. PI: Kang
 2. Role: Co-Investigator
 3. Title of project: Role of MAST1 Kinase in Cisplatin Resistant Cancers
 4. Funding agency: NIH/NCI
1. PI: Prolongo
 2. Role: Co-Investigator
 3. Title of project: Percutaneous CT Guided Cryoablation for the Treatment of Residual and Phantom Limb Pain in Amputees
 4. Funding agency: US DOD
1. PI: Shin
 2. Role: Co-Investigator
 3. Title of project: SPORE in Head and Neck Cancer
 4. Funding agency: NIH/NCI
1. PI: Kang
 2. Role: Co-Investigator
 3. Title of project: Pro-metastatic Signaling of PGAM1 in Head and Neck Cancer
 4. Funding agency: NIH/NCI

1. PI: Jani
2. Role: Co-Investigator
3. Title of project: MRI and Doppler Ultrasound for Neurovascular Bundle Sparring in Prostate Cancer R
4. Funding agency: NIH/NCI

1. PI: Owonikoko
2. Role: Co-Investigator
3. Title of project: Targeting Polo-like Kinase for Therapy of Small Cell Lung Cancer
4. Funding agency: NIH/NCI

1. PI: Chen, G.
2. Role: Co-Investigator
3. Title of project: Optimization of EGFR-based Therapy by Biomarker-driven Targeting of c-Met and HER Family in SCCHN
4. Funding agency: NIH/NCI

1. PI: Liang
2. Role: Co-Investigator
3. Title of project: Targeting HDAC9 for the Treatment of Chemorefractory Metastatic Breast Cancer
4. Funding agency: US DOD

Easley, Kirk

1. PI: Gross
2. Role: Co-Investigator
3. Title of project: Asynchronous Distributed Multielectrode Neuromodulation for Epilepsy
4. Funding agency: NINDS

1. PI: Weitzmann/Ofotokun
2. Role: Co-Investigator
3. Title of project: IL-4, A Key Regulator of Bone Turnover in HIV and ART
4. Funding agency: NIAMS

1. PI: Sullivan
2. Role: Co-Investigator
3. Title of project: The UNC/Emory Center for Innovative Technology (iTech) Across the Prevention Care Continuum
4. Funding agency: NICHD

1. PI: Chakraborty
2. Role: Co-Investigator
3. Title of project: Motivation and Meditation as Interventions for Adherence and Trauma in HIV-infected Adolescents Study
4. Funding agency: NICHD

1. PI: Drenkard
2. Role: Co-Investigator
3. Title of project: A Widespread Self-Management Education Program to Reduce Health Disparities in African American Women with Systemic Lupus Erythematosus
4. Funding agency: NIMHD

1. PI: Paiardini
2. Role: Co-Investigator
3. Title of project: Immune Based Interventions for HIV Eradication
4. Funding agency: NIH/NIAID

1. PI: Paiardini
2. Role: Co-Investigator
3. Title of project: Targeting Cytolytic Cells to Lymphoid Sites of HIV Persistence
4. Funding agency: NIH/NIAID

1. PI: Paiardini

2. Role: Co-Investigator
3. Title of project: Limiting HIV Establishment and Maintenance by Preserving Intestinal Immunity
4. Funding agency: NIH/NIAID

1. PI: Ting
2. Role: Co-Investigator
3. Title of project: Muscle Coordination Mechanisms Underlying Impairment and Recovery of Gait and Balance Post-Stroke
4. Funding agency: NIH/NINDS

1. PI: Sun
2. Role: CO-Investigator
3. Title of project: Integrative Genomics Study of Immunological Response to Antiretroviral Therapy in South Africans
4. Funding agency: NIH/NINDS

Guo, Ying

1. Shim and Shu
2. Role: Co-Investigator
3. Title of project: Improved Whole Brain Spectroscopic MRI to Guide Radiation Dose Escalation for Glioblastomas
4. Funding agency: NIH

1. PI: Shim and Shu
2. Role: Co-Investigator
3. Title of project: Spectroscopic MRI to Guide Radiation Dose Escalation for Glioblastoma
4. Funding agency: NIH

Haber, Michael

1. PI: Busse/**Haber** (Emory subcontract)
2. Role: Co-Investigator and PI on Emory subcontract
3. Title of project: Ultrasound-based Noninvasive Intracranial Pressure Measurements using an Artificial Neural Network
4. Funding agency: DOD

Hanfelt, John

1. PI: **Hanfelt**
2. Role: Principal Investigator
3. Title of project: Latent Class Methods to Explore the Heterogeneity of Neurodegenerative Diseases
4. Funding agency: NIH

1. PI: Taylor
2. Role: Co-Investigator
3. Title of project: Georgia Clinical Translational Science Institute
4. Funding agency: NIH

1. PI: Goldstein
2. Role: Co-Investigator
3. Title of project: Home Based Aerobic Exercise Intervention for African Americans with MCI
4. Funding agency: NIH

Hu, Yijuan

1. PI: Bruner
2. Role: Co-Investigator
3. Title of project: Gynecologic Cancer, the Vaginal Microbiome, and Patient Symptom Experience
4. Funding agency: NIH

1. PI: Chakraborty
2. Role: Co-Investigator
3. Title of project: Correlates that Protect and Facilitate HIV-1 Transmission in Breastfed Infants
4. Funding agency: NIH

1. PI: O'Neill
2. Role: Co-Investigator
3. Title of project: Medial Arterial Calcification in Humans
4. Funding agency: NIH

1. PI: Kelley
2. Role: Co-Investigator
3. Title of project: Understanding Rectal HIV Transmission among At-risk MSM: Age, Intercourse, and Mucosal Injury
4. Funding agency: NIH

Huang, Eugene

1. PI: Petros
2. Role: Co-Investigator
3. Title of project: Liquid Biopsy of Renal Cell Carcinoma
4. Funding agency: NIH

Kowalski, Jeanne

1. PI: Curran (Winship)
2. Role: Core Director
3. Title of project: Cancer Center Support Grant P30
4. Funding agency: NIH

1. PI: Grossniklaus (Winship)
2. Role: Core Director
3. Title of project: Emory Eye Tumor SPORE
4. Funding agency: NIH

1. PI: Owonikoko (Winship)
2. Role: co-investigator
3. Title of project: Predictive Biomarkers for Novel and Established Therapies of Small Cell Lung Cancer1
4. Funding agency: DOD

1. PI: Lewis (Winship)
2. Role: co-investigator
3. Title of project: Nucleotide Imbalance in Cardiomyocytes with NRTIs
4. Funding agency: NIH

1. PI: Lewis (Winship)
2. Role: co-investigator
3. Title of project: Surrogate Epigenetic Markers for Cardiac Dysfunction in Second Hand Smoke
4. Funding agency: NIH

1. PI: Lewis (Winship)
2. Role: co-investigator
3. Title of project: Epigenetic Changes in HIV-Associated Neurodegeneration
4. Funding agency: NIH

1. PI: Miller (Winship)
2. Role: co-investigator
3. Title of project: Inflammation-Induced CNS Glutamate Changes in Depression
4. Funding agency: NIH

1. PI: Chen (Winship)
2. Role: co-investigator
3. Title of project: Optimization of EGFR-based therapy by biomarker-driven targeting of c-Met and HER family in SCCHN.
4. Funding agency: NIH

1. PI: Ramalingam (Winship)
2. Role: co-investigator

3. Title of project: Combination of Targeted Therapies for Recurrent/metastatic HNSCC using Molecularly Characterized PDX Models
4. Funding agency: NIH

Leong, Traci

1. PI: Stenger
2. Role: Mentor
3. Title of project: Haploidentical BMT for SCD
4. Funding agency: NIH

1. PI: Lam
2. Role: Co-Investigator
3. Title of project: A Novel Anemia Self-test for Self-Management of Sickle Cell Disease in Children and Adolescents Pediatric R21
4. Funding agency: NIH

Liu, Yuan

1. PI: Feldman
2. Role: Co-Investigator
3. Title of project: Phase II Clinical Trial of Oral Genistein as Maintenance Therapy following Rituxim
4. Funding agency: NIH

1. PI: Amin
2. Role: Co-Investigator
3. Title of project: Multi-faceted chemoprevention of HNC with FLLL 12
4. Funding agency: NIH

1. PI: Fei
2. Role: Co-Investigator
3. Title of project: Academic-Industrial Partnership for Translation of PET/TRUS Guided Intervention
4. Funding agency: NIH

1. PI: Grossniklaus
2. Role: Co-Investigator
3. Title of project: Eye Tumor Spore
4. Funding agency: NIH

1. PI: Oprea
2. Role: Co-Investigator
3. Title of project: GPI Biomarker Development for Breast Carcinoma
4. Funding agency: NIH U01 sub award with UNIV OF ARKANSAS FOR MEDICAL SERVICES

Long, Qi

1. PI: Manatunga
2. Role: Co-Investigator
3. Title of project: Development and Assessment of Decision Supporting System for Renal Studies
4. Funding agency: NIH/NIDDK

1. PI: Fedirko
2. Role: Co-Investigator
3. Title of project: Integrating Aspirin Metabolomics & Genomics for Colorectal Cancer Chemoprevention
4. Funding agency: NIH/NCI

1. PI: Arshed
2. Role: Co-Investigator
3. Title of project: Promoting Exercise, Activity and Conditioning for Health (PEACH): Atlanta Consortium
4. Funding agency: NIH

1. PI: Waller
2. Role: Co-Investigator
3. Title of project: AMBLE: Activity, Molecules, and Bioinformatics: Leveraging Exploration
4. Funding agency: NIH

1. PI: Moreno
2. Role: Co-Investigator
3. Title of project: Genomic Biomarkers of Aggressive Disease to Reduce Disparities in African-American Men
4. Funding agency: V Foundation Translational Grant

1. PI: Vaccarino
2. Role: Co-Investigator
3. Title of project: Sleep Disturbance as a Mechanism for Ischemic Heart Disease in PTSD
4. Funding agency: NIH

1. PI: **Long**
2. Role: Principal Investigator
3. Title of project: Advancing Methods for Integrative Omics Analyses: Data-Driven and Knowledge-Driven
4. Funding agency: NIH

Manatunga, Amita

1. PI: **Manatunga**
2. Role: Principal Investigator
3. Title of project: Development and Assessment of Decision Supporting System for Renal Studies
4. Funding agency: NIH

1. PI: DiClemente
2. Role: Co-Investigator
3. Title of project: Diabetes Screening in African-American Churches and Linkage to Care
4. Funding agency: NIH

1. PI: Song
2. Role: Co-Investigator
3. Title of project: Advance Care Planning for Dialysis Patients and Surrogates: An Effectiveness Implementation Trial of SPIRIT
4. Funding agency: NIH

Mehta, Christina

1. PI: Ofotokun
2. Role: Biostatistician
3. Title of project: WIHS Female Genital Tract Pharmacomicrobiomics
4. Funding agency: NIH/NIAID

1. PI: Moran
2. Role: Biostatistician
3. Title of project: Predicting Subclinical Cardiovascular Disease in HIV-infected Women using a Biomarker Score
4. Funding agency: NIH

1. PI: Ali/Galaviz
2. Role: Biostatistician
3. Title of project: Predicting Diabetes and Preventing Cardiovascular and Renal Disease in HIV-Positive Individuals
4. Funding agency: NIH

1. PI: Ali/Galaviz
2. Role: Biostatistician
3. Title of project: Managing Diabetes and Preventing Cardiovascular and Renal Disease in HIV-Positive Individuals
4. Funding agency: NIH

Moore, Renée

1. PI: Cha
2. Role: Co-Investigator
3. Title of project: Comparisons of the Risk Profiles and Long-term Trajectory of Early Versus Late Onset Type 2 Diabetes: CARDIA and FRAMINGHAM HEART STUDIES

4. Funding agency: ADA

1. PI: Goldstein

2. Role: Co-Investigator

3. Title of project: Remote Abulatory Cognitive Assessment of African American and Caucasian Adults

4. Funding agency: NIH

1. PI: Factor

2. Role: Co-Investigator

3. Title of project: ENCOMPASS PD (Ensuring Comprehensive Patient-Centered Assessment for Parkinson Disease)

4. Funding agency: PCORI

Qin, Steve

1. PI: Waller

2. Role: Co-Investigator

3. Title of project: Activity, Molecules, and Bioinformatics: Leveraging Exploration (AMBLE) Bioinformatics Center

4. Funding agency: NIH

1. PI: **Qin** and He (University of Michigan)

2. Role: Co-Principal Investigator (Emory University)

3. Title of project: EGO: An ENCODE-based Epigenome Ontology

4. Funding agency: NIH

1. PI: **Qin** and Wang (Stony Brook University)

2. Role: Co-Principal Investigator (Emory University)

3. Title of project: Enabling Informatics Technologies for Searching and Mining Massive Cancer Genomics Data

4. Funding agency: NIH

1. PI: Varambally (UAB)

2. Role: Co-Investigator

3. Title of project: Deciphering the Regulatory Network of MicroRNAs, Oncogenic Histone Methyltransferases SETDB1 and EZH2 in Aggressive Prostate Cancer

4. Funding agency: NIH

1. PI: Varambally (UAB)

2. Role: Co-Investigator

3. Title of project: Molecular Insight into Targeting of ARID1A Mutated Bladder Cancer with Pharmacological Inhibitor of EZH2

4. Funding agency: NIH

1. PI: Miller

2. Role: CO-Investigator

3. Title of project: HERCULES: Health and Exposome Research Center at Emory

4. Funding agency: NIH

1. PI: Jones

2. Role: Co-Investigator

3. Title of project: Georgia Comprehensive Metabolomics and Proteomics Unit for MoTrPAC

4. Funding agency: NIH

Safo, Sandra

1. PI: Veronika

2. Role: Co-Investigator

3. Title of project: Integrating Aspirin Metabolomics & Genomics for Colorectal Cancer Chemoprevention

4. Funding agency: NIH/NCI

Switchenko, Jeff

1. PI: Owonikoko

2. Role: Co-Investigator

3. Title of project: Targeting Polo-like Kinase for Therapy of Small Cell Lung Cancer

4. Funding agency: NIH
1. PI: Shanmugam
 2. Role: Co-Investigator
 3. Title of project: Interrogating Multiple Myeloma with GLUT4 Antagonists
 4. Funding agency: NIH
1. PI: Shin
 2. Role: Co-Investigator
 3. Title of project: SPORE in Head and Neck Cancer
 4. Funding agency: NIH
1. PI: Flowers
 2. Role: Biostatistician
 3. Title of project: Microsimulation Modeling to Evaluate the Clinical Effectiveness of Novel Cancer Therapy
 4. Funding agency: Burroughs Wellcome Fund
1. PI: Flowers
 2. Role: Co-Investigator
 3. Title of project: Genetic Characterization of Aggressive lymphoma in African Americans
 4. Funding agency: V Foundation for Cancer Research
1. PI: Grossniklaus
 2. Role: Co-Investigator (Co-Director of Core C)
 3. Title of project: Eye Tumor SPORE
 4. Funding agency: NIH
1. PI: Yu
 2. Role: Co-Investigator
 3. Title of project: Understanding and Targeting the Replication Stress Response Acetylome in Breast Cancer
 4. Funding agency: Department of Defense
1. PI: Yu
 2. Role: Co-Investigator
 3. Title of project: Mechanisms of SAMHD1 in DNA Double-Strand Break Repair
 4. Funding agency: NIH
1. PI: Curran, W
 2. Role: Co-Investigator
 3. Title of project: Emory Winship Cancer Institute Cancer Center Support Grant (renewal)
 4. Funding agency: NIH
1. PI: Thomas (GA Tech); **Switchenko** (Emory PI)
 2. Role: Emory Principal Investigator
 3. Title of project: Targeting Immunotherapy for Pediatric Neuroblastoma
 4. Funding agency: Alex's Lemonade Stand Foundation (ALSF)
1. PI: Curren, W
 2. Role: Co-Investigator
 3. Title of project: Cancer Population Health Assessment for Georgia
 4. Funding agency: NIH/NCI

Waller, Lance

1. PI: Remais, **Waller**, Chang
 2. Role: Co-Investigator
 3. Title of project: Spatio-temporal Data Integration Methods for Infectious Disease Surveillance
 4. Funding agency: NIH/NIAID/UC Berkeley
1. PI: Chen and **Waller**
 2. Role: Prime Principal Investigator (Emory)
 3. Title of project: New Statistical Methods to Improve Estimation of Exposure and Health Status Associations by Accounting for Spatial Uncertainty

4. Funding agency: NIH/University of Maryland

1. PI: Clasen/Checkley/Peel
2. Role: Co-Investigator
3. Title of project: Household Air Pollution and Health: a Multi-country LPG Intervention Trial
4. Funding agency: NIH/NHLBI

1. PI: **Waller**
2. Role: Principal Investigator
3. Title of project: AMBLE: Activity, Molecules, and Bioinformatics: Leveraging Exploration
4. Funding agency: NIH/NIBIB

1. PI: **Waller**
2. Role: Principal Investigator
3. Title of project: Assess child adiposity/neurocognitive development tied to nutrition/environment
4. Funding agency: Public Health Foundation of India

1. PI: Miller
2. Role: Co-Investigator
3. Title of project: HERCULES: Health and Exposome Research Center at Emory
4. Funding agency: NIH/NIEHS

1. PI: Levy
2. Role: Co-Investigator
3. Title of project: Urban Water Systems, Enteric Pathogen Distribution & Gut Microbiome Development in Children: A Natural Experiment in Mozambique
4. Funding agency: NIH

1. PI: Chang
2. Role: Co-Investigator
3. Title of project: Data integration Methods for Environmental Exposures with Application in Air
4. Funding agency: NIH

Ward, Laura

1. PI: Grossniklaus
2. Role: Co-Investigator
3. Title of project: Eye Tumor SPORE
4. Funding agency: NIH/NCI

1. PI: Esper
2. Role: Biostatistician
3. Title of project: PPAR γ and Alveolar Macrophage Phenotype in Acute Lung Injury
4. Funding agency: NIH

1. PI: Ofotokun
2. Role: Biostatistician
3. Title of project: Bone Loss and Immune Reconstitution in HIV/AIDS
4. Funding agency: NIH

Wu, Hao

1. PI: Jin
2. Role: Co-Investigator
3. Title of project: Epigenetic DNA Modifications in Hippocampal Neurogenesis
4. Funding agency: Johns Hopkins University/NIH

1. PI: **Wu**
2. Role: Principal Investigator
3. Title of project: Statistical Methods for Single-Cell RNA-seq.
4. Funding agency: NIH/NIGMS

1. PI: Fu
2. Role: Co-Investigator

3. Title of project: Targeting Tumor Suppressors: Exploiting LKB1 Vulnerability in Lung Cancer
4. Funding agency: NIH/NCI

1. PI: Waller
2. Role: Co-Investigator
3. Title of project: AMBLE: Activity, Molecules, and Bioinformatics: Leveraging Exploration
4. Funding agency: NIH/NIBIB

Yu, Tianwei

1. PI: **Yu**
2. Role: Principal Investigator
3. Title of project: Developing Bioinformatics Tools for the Detection of Environmental Chemicals in Human Metabolomics Data
4. Funding agency: NIH/NCI

1. PI: **Yu**
2. Role: Principal Investigator
3. Title of project: High-Dimensional Feature Selection Over Genome-Scale Metabolic Network
4. Funding agency: NIH/NIGMS

1. PI: Waller
2. Role: Co-Investigator
3. Title of project: AMBLE: Activity, Molecules, and Bioinformatics: Leveraging Exploration
4. Funding agency: NIH/NIBIB

1. PI: Qin
2. Role: Co-Investigator
3. Title of project: QuBBD: Leveraging Biomedical Big Data to Improve Prognostics of Lymphoma Patients
4. Funding agency: NSF

G. List grants and contracts that were submitted but not funded or approved (by agency)

Chang, Howard

1. MPI: **Chang** and Darrow (Contact)
2. Role: Co-Principal Investigator
3. Title of project: The National Heat, Air Pollution, and Preterm Birth Study
4. Funding agency: NIH

1. MPI: **Chang** (Contact) and Warren
2. Role: Co-Principal Investigator
3. Title of project: Statistical Methods for Environmental Exposures and Adverse Birth Outcomes
4. Funding agency: NIH

1. PI: Strickland
2. Role: Co-investigator
3. Title of project: Ambient air pollutant mixtures and risk of respiratory events: a national study.
4. Funding agency: NIH

1. PI: Sarnat, S
2. Role: Co-investigator
3. Title of project: Twitter for environmental health surveillance: a thunderstorm asthma case study.
4. Funding agency: NIH

Chen, Nelson

1. PI: Kang
2. Role: Co-Investigator
3. Title of project: GDH1 Coordinates Glutaminolysis and Redox Homeostasis in Human Lung Cancer
4. Funding agency: NIH/NCI

1. PI: Shin
2. Role: Co-Investigator

3. Title of project: SPORE in Head and Neck Cancer
 4. Funding agency: NIH/NCI
-
1. PI: Benayoun
 2. Role: Co-Investigator
 3. Title of project: Correlation of anti-1-amin-3-[18F]-Fluorocyclobutane-1-Carboxylic Acid Positron Emission Tomography and MRI for Detection of Malignant Transformation and Pseudoprogression in High Grade and Low Grade Gliomas
 4. Funding agency: Radiological Society of North America
-
1. PI: Chen, G
 2. Role: Co-Investigator
 3. Title of project: Role of HER3 Signaling in Optimizing EGFR Targeted Therapy of Head and Neck Cancer
 4. Funding agency: NIH/NCI
-
1. PI: Patel
 2. Role: Co-Investigator
 3. Title of project: Biomarkers of Lymph Node Extracapsular Extension in Head & Neck Squamous Cell Carcinoma
 4. Funding agency: NIH/NIDCR
-
1. PI: Marcus
 2. Role: Co-Investigator
 3. Title of project: Targeting LKB1 Mutant Lung Cancer
 4. Funding agency: Free to Breathe
-
1. PI: Chen, ZG
 2. Role: Co-Investigator:
 3. Title of project: Targeted Nanoparticles for Molecular Imaging and Focal Therapy of Unresectable Cancer
 4. Funding agency: NIH/NCI
-
1. PI: Chen, J
 2. Role: Co-Investigator
 3. Title of project: Signaling and Targeting of Phosphoglycerate Mutase 1 in Head and Neck Cancer
 4. Funding agency: NIH/NCI
-
1. PI: Chen, J
 2. Role: Co-Investigator
 3. Title of project: Small Molecule Inhibitor of Copper Trafficking as a Novel Anti-Leukemia Therapy
 4. Funding agency: NIH/NCI
-
1. PI: Shanmugam
 2. Role: Co-Investigator
 3. Title of project: Interrogating Multiple Myeloma with GLUT4 Antagonists
 4. Funding agency: NIH/NCI
-
1. PI: Mao
 2. Role: Co-Investigator
 3. Title of project: Biomarker Nano-Multiplexing Enabled Targeted Treatment of Cancers
 4. Funding agency: NIH/NCI
-
1. PI: Fu, H
 2. Role: Co-Investigator
 3. Title of project: Targeting Tumor Suppressors: Exploiting LKB1 Vulnerability in Lung Cancer
 4. Funding agency: NIH/NCI
-
1. PI: Shin
 2. Role: Co-Investigator
 3. Title of project: Novel Approach to Concurrent Chemoradiation Therapy with Magnolia Extract in Head and Neck Cancer
 4. Funding agency: NIH/NCI

1. PI: Kang, S
2. Role: Co-Investigator
3. Title of project: Anti-anoikis Signaling of GCH1 in Metastatic Lung Cancer
4. Funding agency: NIH/NCI

1. PI: Harvey
2. Role: Co-Investigator
3. Title of project: Novel Immunotherapeutics and CYP Metabolis
4. Funding agency: NIH/NIGMS

Hu, Yijuan

1. PI: Pearce
2. Role: Biostatistician
3. Title of project: Interplay of Microbiome Patterns, Dietary Factors, and TMAO Levels in OB Outcomes
4. Funding agency: NIH

1. PI: Gandhi and Sun
2. Role: Co-Investigator
3. Title of project: Characterization of Genomics, Metabolomics and Innate Immunity Among Individuals Highly-Exposed, but Resistant to Mtb Infection
4. Funding agency: NIH

1. PI: Sherman
2. Role: Biostatistician
3. Title of project: Altered Microbiome as a Consequence of Trisomy 21, Increasing Susceptibility for Clinically Significant Outcomes in Down Syndrome
4. Funding agency: John Merck Fund

Huang, Eugene

1. PI: Wang/**Huang**
2. Role: Principal Investigator (Emory subcontract)
3. Title of project: Functional Methods for Radiation Exposure and Biomarker Data
4. Funding agency: NIH

1. PI: Chang
2. Role: Co-Investigator
3. Title of project: Statistical Methods for Environmental Exposures and Adverse Birth Outcomes
4. Funding agency: NIH

Ko, Yi-An

1. PI: Shaw
2. Role: Co-Investigator
3. Title of project: Identifying Vulnerable Women at High Risk of Ischemic Heart Disease Outcomes
4. Funding agency: American Heart Association (Women's Health Research Network)

1. PI: Quyyumi
2. Role: Co-Investigator
3. Title of project: Molecular Transducers of Physical Activity Consortium Clinical Center
4. Funding agency: NIH

1. PI: Waller
2. Role: Co-Investigator
3. Title of project: Molecular Transducers of Physical Activity Consortium Bioinformatics Center
4. Funding agency; NIH

1. PI: Tsai
2. Role: Consultant
3. Title of project: Knee Compressive Load and Muscle Function during ACL Repair
4. Funding agency; NIH

1. PI: Lyles
2. Role: Consultant

3. Title of project: Functional Role of Force Dependent Sensory Feedback
4. Funding agency: NIH

Kowalski, Jeanne

1. PI: **Kowalski** (Winship)
2. Role: Principal Investigator
3. Title of project: Bridging Extreme Variations in Tumor and Tumor Response: Finding the Genes and Samples that Matter
4. Funding agency: NIH

Kutner, Michael

1. PI: **Kutner**
2. Role: Director of Core C. Biostatistics & Biomedical Informatics
3. Title of project: Targeting Tumor Suppressors: Exploiting LKB1 Vulnerability in Lung Cancer
4. Funding agency: PPB

Leong, Traci

1. PI: Scahill
2. Role: Co-Investigator
3. Title of project: Parent Training for Sleep Disturbances in Children with Autism Spectrum Disorder
4. Funding agency: NIH

1. PI: Chakaborty
2. Role: Co-Investigator
3. Title of project: Southern MYTH
4. Funding agency: NIH

1. PI: Camacho-Gonzales
2. Role: Statistical Support
3. Title of project: Improving HIV Treatment Compliance in Adolescents and Young Adults one Step at a Time
4. Funding agency: Health Resources and Services Administration (HSRA)

1. PI: Lam
2. Role: Co-Investigator
3. Title of project: A Novel Anemia Self-test for Self-Management of Sickle Cell Disease in Children and Adolescents Pediatric R21
4. Funding agency: NIH

1. PI: Lam
2. Role: Co-Investigator
3. Title of project: Point-of-Care, Disposable, Patient-Operated, and Self-Contained Anemia Diagnostic
4. Funding agency: NIH

Liu, Yuan

1. PI: Ya
2. Role: Co-Investigator
3. Title of project: Mechanistic Study for Risk Estimation of Space Radiation-induced Tumorigenesis
4. Funding agency: NASA

1. PI: Garg
2. Role: Co-Investigator
3. Title of project: Epithelial Derived-matrix Metalloproteinase (MMP9) Exhibits a Novel Defensive Role
4. Funding agency: NIH

1. PI: Jani
2. Role: Co-Investigator
3. Title of project: MRI-Targeted Ultrasound-Guided HDR Brachytherapy for Prostate Cancer
4. Funding agency: AMER CANCER SOCIETY

1. PI: Dong
2. Role: Co-Investigator
3. Title of project: Crucial Role of ZFH3 in Progesterone-and Prolactin-induced Mammary Development

4. Funding agency: NIH

1. PI: Wang
2. Role: Co-Investigator
3. Title of project: Strategies to Enhance the RBE of High-LET Radiotherapy
4. Funding agency: NIH

1. PI: Garg
2. Role: Co-Investigator
3. Title of project: Matrix Metalloproteinase 9 Promotes Microbiota Adherence in Chronic Inflammatory
4. Funding agency: NIH

Long, Qi

1. PI: Long
2. Role: Principal Investigator
3. Title of project: Strategies for Handling MNAR in Analysis of HER with Application to VHA's CDW
4. Funding agency: NIH/NIDDK

1. MPI: Long (with Xiaoqian Jiang at UCSD)
2. Role: Principal Investigator
3. Title of project: Federated Imputation for Data Analysis (FIND)
4. Funding agency: NIH/NIGMS

1. PI: **Long** (PI: Xiaoqian Jiang at UCSD)
2. Role: Principal Investigator
3. Title of project: Imputation in a Distributed Environment for Analytics (DEA)
4. Funding agency: PCORI

1. PI: Shaw
2. Role: Co-Investigator
3. Title of project: The Uniqueness of Atherosclerosis in Women: From Pathobiology to Clinical Outcomes
4. Funding agency: AHA Center Grant

Lyles, Bob

1. PI: Chakraborty
2. Role: Analytic Core Director
3. Title of project: Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN) Research Program: 'Southern Meditation and Motivational Interviewing in Youth with Trauma and HIV Study' (Southern MYTH) Study
4. Funding agency: NIH

Qin, Steve

1. PI: **Qin** and Zwick
2. Role: Co-Principal Investigator
3. Title of project: EEDCC: A Cloud-Based Data Coordination Center for Environmental Epigenomics
4. Funding agency: NIH

1. PI: **Qin** and Wang (Stony Brook University)
2. Role: Co-Principal Investigator (Emory University)
3. Title of project: Enabling Informatics Technologies for Searching and Mining Massive Cancer Genomics Data
4. Funding agency: NIH

1. PI: **Qin** and Flowers
2. Role: Co-Principal Investigator
3. Title of project: QuBBD: EMPI: An Informatics Working Group Devoted to Precision Medicine.
4. Funding agency: NSF

1. PI: **Qin**
2. Role: Principal Investigator
3. Title of project: bioCADDIE Pilot Project-MetaWiki: A Dynamic, Cross-Repository Metadata Generation and Management System for Public Genomic Data
4. Funding agency: NIH

1. PI: Kowalski
2. Role: Co-Investigator
3. Title of project: Bridging Extreme Variations in Tumor and Tumor Response: Finding the Genes and Samples that Matter
4. Funding agency: NIH

1. PI: Read
2. Role: Co-Investigator
3. Title of project: Fine-scale Bacterial Sub Typing of Metagenome Samples
4. Funding agency: NIH

Switchenko, Jeff

1. PI: Cohen
2. Role: Biostatistician
3. Title of project: Moving Towards Risk-Adapted Therapy in Mantle Cell Lymphoma
4. Funding agency: Conquer Cancer Foundation (ASCO)

Waller, Lance

1. PI: Qiu and Dehkharghani
2. Role: Co-Investigator
3. Title of project: Imaging Chronic Hemodynamic Failure: Predicting Cognitive Decline in Cerebrovascular Ischemia
4. Funding agency: NIH/NINDS

1. PI: Buller and **Waller**
2. Role: Prime Principal Investigator (Emory)
3. Title of project: Evaluating a Combined Mosquito-borne Virus and Skin Cancer Prevention Program
4. Funding agency: Klein Buendel/NIH

Wu, Hao

1. PI: **Wu**
2. Role: Principal Investigator
3. Title of project: Epigenetic Modifiers of Spinocerebellar Ataxia
4. Funding agency: NIH

1. PI: **Wu**
2. Role: Principal Investigator
3. Title of project: Methods and Tools for Analyzing DNA Hydroxymethylation Sequencing Data
4. Funding agency: NIH

1. PI: Jin
2. Role: Co-Investigator
3. Title of project: 5-Hydroxymethylcytosine-Medicated Epigenetic Regulation in Autism
4. Funding agency: Simons Foundation

Yu, Tianwei

1. PI: **Yu**
2. Role: Principal Investigator
3. Title of project: Methods for Low-concentration, Low-frequency Metabolite Detection in LC/MS Data
4. Funding agency: NIH/NIEHS

1. PI: Tansey
2. Role: Co-Investigator
3. Title of project: Identification and Monitoring of At Risk Subjects and Patients by HLA-DRA SNP Genotype and Immunophenotyping
4. Funding agency: Michael J. Fox FDTN for Parkinson's Research

1. PI: Amara
2. Role: Co-Investigator
3. Title of project: Project 2: Preclinical Trials and Cellular Responses
4. Funding agency: Geovax

1. PI: Fedirko
2. Role: Co-Investigator
3. Title of project: Vitamin D & Calcium High-Resolution Metabolomics in Colon Cancer Chemoprevention
4. Funding agency: NIH/NCI

1. PI: Morris
2. Role: Co-Investigator
3. Title of project: Assessment of Oxidative Stress and Metabolomics Profiles in Patients with Mechanical Circulatory Support
4. Funding agency: International Society for Heart and Lung Transplant

1. PI: Fedirko
2. Role: Co-Investigator
3. Title of project: Host-Gut Microbiota Interplay in Colon Carcinogenesis: A Pilot Study
4. Funding agency: American Cancer Society

H. Presentations at professional meetings (list authors, title and meeting)*

Chang, Howard

Chang HH, Zhou X, Alhanti B, Liu Y, Sarnat SE. Statistical methods for projecting future ambient air quality under a changing climate. JSM, Chicago, IL, 2016.

Chang HH, Liu Y, Sarnat SE. Time series analysis of air pollution and health accounting for spatial exposure uncertainty. ICSA Applied Statistics Conference, Atlanta, GA, 2016.

Chen, Nelson

Chen Z, Li Z, Yuan Y, Kutner M, Owonikoko TK, Curran W, Kowalski J. Adaptive estimation of personalized maximum tolerated doses in cancer phase I clinical trials according to all toxicities and individual characteristics. JSM 2016 August 2. Abstract No: 319671.

Chen Z. Estimation of personalized maximum tolerated dose (pMTD) according to patient's biomarkers in cancer Phase I clinical trial. East Lake International Forum for Outstanding Overseas Young Scholars at Huazhong University of Science & Technology (HUST) 2015.

Cox KL, Nandwana S, Olaiya B, Mittal PK, Ibraheem O, **Chen Z**, Zhang C, Smith A. MRI Liver Surface Nodularity Score as a New Noninvasive Biomarker for Chronic Viral Hepatitis. Radiology Society of North America (RSNA) 102nd Annual Meeting 2016. Abstract No: 16017485.

Gilbert-Ross M, Konen J, Koo J, Shupe J, Sica GL, **Chen Z**, Robinson BS, Behera M, Rossi MR, Smith GH, Hill CE, Ramalingam SM, Fu H, Khuri FR, Zhou W, Marcus A. Developing a personalized anti-metastatic therapy to treat KRAS, LKB1-mutant lung adenocarcinoma. AACR annual meeting 2016. Abstract No: LB-348.

Wang D, Qian G, Zhang H, Magliocca KR, Nannapaneni S, **Chen Z**, Patel MR, El-Deiry MW, Wadsworth TJ, Shin DM, Khuri FR, Saba NF, Chen ZG. HER3 targeting sensitizes HNSCC to cetuximab - evidence from cell line and patient derived xenograft (PDX) models. AACR annual meeting 2016. Abstract No: 1866.

Copur AS, Everhart DE, Zhang C, **Chen Z**, Shekhani H, Matheivosan S, Loveless J, Watson E, Kadri I, Wallace L, Simon E, Fulambarker A. Effect of Personality Trait for PAP Therapy Adherence in Obstructive Sleep Apnea Patients. American College of Chest Physician (ACCP) meeting 2016.

Clennon, Julie

Goswami ND, J McMichael, D Rane, J Kelly, **J Clennon**, C del Rio, T Sanchez. 2016. A Novel Practical Spatial Analysis of HIV Care Outcomes, Metro Atlanta, 2012-2014. Conference on Retroviruses and Opportunistic Infections. February 22-25, 2016 Boston, Massachusetts

*Berendes D, D Beno; **J Clennon**; B Ghale; A Gunasekaran; G Kang; A Kartikeyan; A Kirby; JS Kumar; V Mohan; S Raj; S Roy; H Yakubu; C Moe. 2015. Neighborhood Structure, Household Behaviors, and Their Effects on Spatial Clustering of Risk of Exposure to Fecal Contamination in Urban Flood Areas. Water & Health Conference: Where Science Meets Policy, OCTOBER 26 – 30, 2015. University of North Carolina

*Berendes D, D Beno; **J Clennon**; B Ghale; A Gunasekaran; G Kang; A Kartikeyan; A Kirby; JS Kumar; V Mohan; S Raj; S Roy; H Yakubu; C Moe. 2015. Spatial and Behavioral Influences on Household Fecal Contamination in

Two Low-Income Urban Settings. Water & Health Conference: Where Science Meets Policy, OCTOBER 26 – 30, 2015. University of North Carolina

Cotsonis, George

SAMMPRIS, International Stroke Conference 2016 (4)
ARO, IATS Conference (2)

Easley, Kirk

Lim SS, Bao G, Kan H, Pobiner B, Priest J, Eastman W, **Easley KA** and Drenkard C. The accumulation of damage and having public insurance are associated with increased hospitalizations in a population-based cohort of lupus patients. Abstract, American College of Rheumatology Annual Meeting in Washington, DC, November 11-16, 2016.

Oforokun I, Titanji K, Vunnava A, Foster A, Sheth AN, Lahiri CD, Lennox JL, Knezevic A, Ward L, **Easley KA** and Weitzmann MN. A single dose zoledronic acid prevents antiretroviral-induced bone loss. Abstract, CROI (Conference on Retroviruses and Opportunistic Infections), Boston, Feb 22-25, 2016.

Kelley C, Kraft CS, Duphare C, Lee H, Yang J, **Easley KA**, Tharp G, Mulligan MM, Sullivan PS, Bosinger S and Amara RR.. The effect of condomless receptive anal intercourse on the rectal mucosa of MSM. Abstract, CROI (Conference on Retroviruses and Opportunistic Infections), Boston, Feb 22-25, 2016.

Neustein TM, Smith V, Shenvi N, **Easley KA** and Fletcher ND. The effect of contouring and rod material on the development of proximal junctional kyphosis following posterior spinal fusion in patients with adolescent idiopathic scoliosis. Abstract, 2016 SRS Annual Meeting. IMAST: The 23rd International Meeting on Advanced Spine Techniques. July 13-16, Washington D.C.

Tiliakos A, **Easley KA**, Bao G, **Liu S**, and Conn D. The Effect of daily low dose prednisone (divided daily dose versus single daily dose) in the treatment of African Americans (AA) with rheumatoid arthritis (RA). Abstract: 2015 ACR/ARHP Annual Meeting in San Francisco, CA on November 6 – 11.

Patel RM, Shenvi N, Knezevic A, Hinkes MT, Roback JD, **Easley KA**, Josephson C. Blood product utilization in very low birth weight infants with necrotizing enterocolitis. Abstract, American Association for Blood Banks' (AABB) annual meeting, October 24-27, 2015, Anaheim Convention Center.

Rhee JM, Shi WJ, Kim JY, Zhou F, **Easley KA** and Patel A. The Pa-mJOA: A patient-derived, self-reported outcome instrument for measuring myelopathy – Comparison with the mJOA. Abstract and paper submitted to the 2017 American Academy of Orthopedic Surgeons Annual Meeting, March 14-18 in San Diego, California.

Elon, Lisa

Hertzberg VS, **Elon L**, Mac V, Mutic A, Peterman K, Mutic N, Tovar-Aguilar A, Economos E, Flocks J, McCauley L. "Functional Data Analysis of Core Body Temperature in Response to Environmental Heat Stress." Presentation at the International Society for Environmental Epidemiology 28th Annual Conference in Rome, Italy, September 2016.

McCauley L, Mutic A, **Elon L**, Williams B, Tovar A, Economos E, Peterman K, Mac V, Hertzberg V. "Heat-related illness in agricultural workers." Presentation at the International Society for Environmental Epidemiology 28th Annual Conference in Rome, Italy, September 2016.

Guo, Ying

Guo, Y. (2016) *Exploring the brain connectivity: questions, challenges and recent findings*. Banff International Research Station (BIRS) workshop "Mathematical and Statistical Challenges in Neuroimaging Data Analysis", January, 2016, Banff, Alberta, Canada.

Guo, Y. (2016) *A novel distributional ICA model for multimodal neuroimaging data*. In invited session "Computational-Intensive Bayesian Techniques and Neurostatistics", International Biometrics Society (ENAR) Meeting, Austin, TX, March, 2016.

Guo, Y. (2016) *Investigating differences in brain functional networks using a hierarchical covariate-adjusted ICA model*. Invited talk at Department of Mathematics and Statistics, University of Alberta, Canada, March, 2016.

Guo, Y. (2016) *New ICA methods for exploring brain connectivity using neuroimaging data.* Invited talk at Department of Biostatistics, Brown University, April, 2016.

Dai T*, **Guo Y**, Peng L and Manatunga AK. "Nonparametric Estimation of Agreement Measure between Ordinal and Censored Continuous Outcomes." Oral presentation in session "Analysis of ordinal data". Joint Statistical Meetings, Seattle, WA, USA, Aug., 2015.

Wang L*, Peng L, **Guo Y** and Manatunga AK. A Method for Constructing a Score from Items in an Instrument with the Concept of Agreement. Joint Statistical Meetings (JSM), Seattle, WA, Aug 2015.

Kang J and **Guo Y**. Independent Component Analysis for Large-Scale Discrete Data. In Topic-contributed session "Recent advances in Independent Component Analysis with Applications to Imaging Studies", Joint Statistical Meetings (JSM), Seattle, WA, Aug 2015.

Kemmer, P.B.* and **Guo, Y.** (2016). *A joint model for assessing the link between functional and structural brain connectivity.* ENAR, Austin, TX, March 2016.

Kemmer, P.B.* and **Guo, Y.** "A joint model for assessing the link between functional and structural brain connectivity", NOGGINS imaging workshop, University of Georgia, April 2016.

Wang, Y*, Kang, J., Kemmer, P.B. and **Guo, Y.** "An efficient and reliable statistical method for estimating functional connectivity in large scale brain networks using partial correlation", SAMSI Computational Neuroscience Transition Workshop, Durham, NC, May, 2016.

Kemmer, P.B.* and **Guo, Y.** (2016). *Joint analysis of functional and structural brain connectivity.* SAMSI Computational Neuroscience Transition Workshop, Durham, NC, May, 2016.

Pal, S*, **Guo, Y** and Kang, J. (2016), a novel distributional ICA framework for multimodality imaging data, ICSA Applied Statistics Symposium, June, 2016.

Kang, J and **Guo, Y.** A Bayesian Approach for Large Scale Discrete Latent Source Separation. In an invited session "Recent advances in Independent Component Analysis with Applications to Imaging Studies", Annual Conference of Statistical Methods in Imaging, Denver, CO, June, 2016.

Kundu, S, Lukemier, J and **Guo, Y,** An Integrative Approach for Estimating Multiple Brain Networks, In an invited session "Recent advances in Independent Component Analysis with Applications to Imaging Studies", Annual Conference of Statistical Methods in Imaging, Denver, CO, June, 2016.

Rahman A*.F., Peng L, Manatunga AK, and **Guo Y,** "Nonparametric Regression Method for Broad Sense Agreement", —Invited Talk, Department of Mathematical Sciences, University of Montana, February 29, 2016.

Rahman A*.F., Peng L, Manatunga AK, and **Guo Y,** "Nonparametric Regression Method for Broad Sense Agreement", —Invited Talk, Department of Mathematics, Eastern Michigan University, March 08, 2016.

Rahman A*.F., Peng L, Manatunga AK, and **Guo Y,** "Nonparametric Regression Method for Broad Sense Agreement", —Invited Talk, Department of Mathematics and Statistics, University of Houston-Downtown, March 22, 2016.

Rahman A*.F., Peng L, Manatunga AK, and **Guo Y,** "Nonparametric Regression Method for Broad Sense Agreement", —Invited Talk, Department of Mathematical Sciences, University of Houston-Clear Lake, March 29, 2016.

Rahman A*.F., Peng L, Manatunga AK, and **Guo Y,** "Nonparametric Regression Method for Broad Sense Agreement", —Invited Talk, Department of Mathematics and Statistics, Arkansas State University, March 30, 2016.

Rahman A*.F., Peng L, Manatunga AK, and **Guo Y,** "Nonparametric Regression Method for Broad Sense Agreement", —Invited Talk, Department of Biostatistics, University of Alabama at Birmingham, April 05, 2016.

Haber, Michael

Haber, M., An, Q., and Shi, M. (2015). A probability model for comparing estimates of influenza vaccine effectiveness from case-control studies. Joint Statistical Meetings, Seattle, Washington.

Hu, Yijuan

Expression Improves Statistical Power for Cis-eQTL Mapping with RNA-seq Data. {Invited platform presentation}

International Genetics Epidemiology Society (IGES), Baltimore, MD (Oct 2015). Integrative Analysis of Sequencing and Genotype Array Data for Rare Variant Associations. {Invited} {Among three finalists for James V. Neel Young Investigator Award}

ICSA, Fort Collins, CO (Jun 2015). Proper Use of Allele-Specific Expression Improves Statistical Power for Cis-eQTL Mapping with RNA-seq Data. {Invited}

Huang, Eugene

Chan KCG, Small D, Huang Y, *Simple instrumental variable regression for censored data with exposure-dependent censoring*, Joint Statistical Meetings 2015, Seattle, WA.

Peng L, Sun X, Huang Y, Lai H, *Generalizing quantile regression for counting processes with application to recurrent events*, Joint Statistical Meetings 2015, Seattle, WA.

*Zhu M, Huang Y, *Accelerated failure time model for recurrent events with errors in covariates*, Joint Statistical Meetings 2015, Seattle, WA.

Huang Y, *On Monotonicity respecting in dynamic regression*, ICSA Applied Statistics Symposium 2016, Atlanta, GA.

Huang Y, *Restoration of monotonicity respecting in dynamic regression*, Joint Statistical Meetings 2016, Chicago, IL.

Ko, Yi-An

Yin, M., **Ko, Y.-A.**, Pekarek, A., Wittersheim, K., Cole, R.T., Gupta, D., Nguyen, D., Laskar, S.R., Smith, A., Vega, J.D., Morris, A.A. β -blockers Improve Overall Survival during Support with Continuous-flow Left Ventricular Assist Device. HFSA 2016

Hayek, S.S., **Ko, Y.-A.**, Al-Mheid, I., Hosny, K., Ahmed, H., Gray, B., Patel, K., Hesaroieh, I., Martin, G., Kim, J., Waller, E.K., Quyyumi, A.A. Vitamin D3 Levels Modulate CXCR4+ Circulating Progenitor Cell Counts. ACC 2016

Hayek, S.S., **Ko, Y.-A.**, Awad, M., Ahmed, H., Gray, B., Patel, K., Hesaroieh, I., Hartsfield, J., Bhimani, R., Patel, N., Aida, H., Sidoti, A., Beshiri, A., Kim, J., Wilson, P., Shaw, L., Epstein, S., Quyyumi, A.A. High-Sensitivity Troponin-I Levels Predict Long-Term Mortality Independently of Coronary Artery Disease Severity. ACC 2016

Hayek, S.S., **Ko, Y.-A.**, Awad, M., Ahmed, H., Gray, B., Patel, K., Hesaroieh, I., Hartsfield, J., Bhimani, R., Patel, N., Aida, H., Sidoti, A., Beshiri, A., Kim, J., Wilson, P., Shaw, L., Epstein, S., Quyyumi, A.A. Biomarker Risk Score Incorporating Myocardial Injury, Inflammation, Coagulation and Cellular Stress Improves the Prediction of Cardiovascular Events. ACC 2016

Condado, J.F., Jensen, H.A., Maini, A., **Ko, Y.-A.**, Rajaei, M.H., Tsai, L.L., Devireddy, C., Leshnowar, B.G., Mavromatis, K., Sarin, E., Stewart, J., Guyton, R., Babaliaros, V., Simone, A.E., Keegan, P., Block, P.C., Thourani, V. Should We Perform Carotid Artery Screening before Aortic Valve Replacement? ACC 2016

Jensen, H.A., Sarin, E.L., **Ko, Y.-A.**, Condado, J.F., Halkos, M., Guyton, R., Lattouf, O., Miller, J., Macheers, S., Murphy, D., Chen, E.P., Leshnowar, B., Keeling, B., Rajaei, M., Umpierrez, G., Syed, A., Roberts, G., Thourani, V. Acute Stress Hyperglycemia in Cardiac Surgery. STS 2016

Hayek, S.S., Koh, K.H., **Ko, Y.-A.**, Awad, M., Wei, C., Quyyumi, A.A., Reiser, J. Apolipoprotein L1 (APOL1) and soluble urokinase plasminogen activator receptor (suPAR) in the activation of integrin β 3 and incident kidney disease. 2016 ASN

Forouzandeh, F., Suh, J., **Ko, Y.-A.**, Joshi, U., Stahl, E., Lee, S., Sabharwal, N., Almuwaqqat, Z., Samady, H. Angiographic Scorings in Predicting Clinical Outcomes of Percutaneous Interventions for Coronary Chronic Total Occlusions (CTOs): The Emory CTO Study. 2016 Emory Cardiology Research Symposium

Forcillo, J., Condado Contreras J.F., **Ko, Y.-A.**, Yuan, M., Block, P.C., Guyton, R.A., Babaliaros, V., Thourani, V.H. Individual Assessment of Frailty Parameters in High and Extreme-Risk Patients who Undergo Transcatheter Aortic Valve Replacement. STSA 2016

Kowalski, Jeanne

Bridging the Gap between Variations in Tumor and Tumor Response: Finding the Genes and Samples that Matter, Pittsburgh Cancer Institute, University of Pittsburgh, Pittsburgh, PA. September 2015

Analysis of Genome-wide Data Integration in Cancer, In-Situ Hybridization, Microarray and Next-Generation Sequencing in Clinical Diagnostics, (Course), Co-Sponsors: Targos, Inc. and AKESogen, Inc., Atlanta, GA. October 2015

Biomarkers of Extremes: Linking Extreme Tumor Heterogeneity with Extreme Tumor Response in Precision Medicine, Winship Cancer Institute, Elkin Lecture, Atlanta, GA. May 2016

Biomarkers of Extremes: Linking Extreme Tumor Heterogeneity with Extreme Tumor Response in Precision Medicine, Department of Biostatistics, Indiana University School of Medicine, Richard M. Fairbanks School of Public Health, Indianapolis, IN. May 2016

Kutner, Michael

Chen Z, Li Z, Yuan Y, **Kutner M**, Owonikoko TK, Curran W, Kowalski J. Adaptive estimation of personalized maximum tolerated doses in cancer phase I clinical trials according to all toxicities and individual characteristics. JSM 2016 August 2. Abstract No: 319671.

Leong, Traci

Arlen AM, **Leong T**, Storm DW, and Cooper CS (2015) Role of Body Mass Index in School Aged- Children with Bladder-bowel Dysfunction: Does weight Predict Outcome? American Urological Association Annual Meeting (AUA) (5/2016) San Diego, CA.

Immergluck LC, Laghaie E, Newman G, Malik AA, Ali F, Churchill VM, Thornton K, Li Y, Fareed S, Mohammed A, Stanley T, **Leong T**, Jerris RC. "Risk for Primary and Recurrent Community-Associated MRSA Skin & Soft Tissue Infections (SSTI): A Closer Look at The Role of Specific Bacterial Strains & Innate Host Response." Emory University Antibiotic Resistance Center Seminar. Atlanta, GA. August 19, 2015.

Meyer E, **Leong T**, Josephson C, Guzzeta N. RBC Transfusion and perioperative mortality in infants after cardiac surgery. Controversies in Thrombosis & Hemostasis (CiTH) Barcelona, Spain. November 2015

Camacho-Gonzalez AF, Gillespie S, Thomas-Seaton L, Frieson K, **Leong T**, Graves C, and Chakraborty R Closing the GAP: Non Traditional Venue Testing, Case Management and Motivational Interviewing to Diagnose, Link and Retain Youth in HIV Care. International AIDS society (IAS) 2015. July 19-22 2015

Immergluck L, Thornton K, Jacob JT, Hagen S, Schultz J, Chan T, **Leong T**, McCracken C, Watson JR, Laghaie E, Rains J, Lamourie M, Jerris RC. Reducing Risks for Touch Contamination and CLABSI with Innovative Connector (SmashCap). Society of Healthcare Epidemiology of America (SHEA). Orlando, FL

Immergluck L, Malik A, Stanley T, Thornton K, Li Y, **Leong T**, Benitez J, Laghaie E, Churchill V, Newman G. Role of Certain Immune Factors on Recurrent Staphylococcal Skin and Soft Tissue Infections in Children. IDWeek2015. San Diego, CA – October 7-11, 2015

Liu, Yaun

Naresh Jegadeesh, **Yuan Liu**, Teresa Gillespie, Felix Fernandez, Ramalingam Suresh, John Mikell, Joseph Lipscomb, Walter Curran, Kristin Higgins. Intensity Modulated Radiation Therapy is Associated with Improved Survival in Non-Small Cell Lung Cancer with Advanced T Stage: Results from the National Cancer Data Base. ASTRO, Oct 18-21, 2015 (Presentation #: 1017)

Rachel L Medbery, Theresa W Gillespie, Joseph Lipscomb, **Yuan Liu**, Dana Nickleach, Manu S Sancheti, Allan Pickens, Seth D Force, Felix G Fernandez. Nodal Upstaging is More Common with Thoracotomy

versus VATS during Lobectomy for Early Stage Lung Cancer: An Analysis from the National Cancer Data Base. Annual Meeting of the Western Thoracic Surgical Association (WTSA), June 27-30, 2015 (CF10)

Rachel L. Medbery, Theresa W. Gillespie, Joseph Lipscomb, **Yuan Liu**, Dana Nickleach, Manu Sancheti, Allan Pickens, Seth D. Force, Felix G. Fernandez. Socioeconomic Factors are Associated with Readmission Following Lobectomy for Early Stage Lung Cancer. Annual Meeting of the Western Thoracic Surgical Association, June 27-30, 2015

Madhusmita Behera, Taofeek K. Owonikoko, **Yuan Liu**, Theresa W. Gillespie, Michael Yuan, Rathi N. Pillai, conor Steuer, Kristin A. Higgins, suchita Pakkala, Chandra P. Belani, fadlo Khuri, Suresh S. Ramalingam. Squamous Cell Carcinoma of Lung in the United States: Analysis of the National Cancer Database (NCDB). 16th World Conference on Lung Cancer, September 6-9, 2015.

Ronica H. Nanda, Theresa W. Gillespie, John L. Mikell, **Yuan Liu**, Joseph Libscomb, Suresh S. Ramalingam, Felix Fernandez, Walter J. Curran, Kristin A. Higgins. Stereotactic Body Radiation. Observation for Early-Stage NSCLC in Elderly Patients. 16th World Conference on Lung Cancer, September 6-9, 2015.

Dale Kesley Robertson, **Yuan Liu**, Chao Zhang, Theresa Gillespie, John Petros, Muta Issa, Maria Ribeiro, Wayne B Harris. Correlation of nephrectomy status and race with overall survival in patients with metastatic renal cell carcinoma. 8th AACR Conference. Nov 13-16, 2015, Atlanta GA.

Dale Kesley Robertson, Chao Zhang, **Yuan Liu**, Theresa Wicklin Gillespie, Omer Kucuk, Bradley Curtis Carthon, Viraj A. Master, Muta Issa, John Petros, Wayne B. Harris. Nephrectomy status, race, and overall survival in patients with metastatic renal cell carcinoma. Jan 7-9, 2016 Genitourinary Cancers Symposium

Omer Kucuk, Bengi Balci, **Yuan Liu**, Chao Zhang, Bahiddin Yilmaz, Elif Atag, Aziz Karaoglu, Ashesh B. Jani, Wayne Harris, Bradley Curtis Carthon, Peter John Rossi, Viraj A. Master, Mehrdad Alemozaffar, Christopher Paul Filson, Martin George Sanda. Dynamic correlation of serum C-reactive protein (CRP) levels with serum prostate-specific antigen (PSA) levels in patients with prostate cancer (PCa) on androgen deprivation therapy (ADT). Jan 7-9, 2016 Genitourinary Cancers Symposium

Naresh Jegadeesh, **Yuan Liu**, Chao Zhang, Jim Zhong, Theresa Wicklin Gillespie, Omer Kucuk, Peter John Rossi, Viraj A. Master, Mehrdad Alemozaffar, Ashesh B. Jani. The role of adjuvant radiotherapy in pathologically node positive prostate cancer. Jan 7-9, 2016 Genitourinary Cancers Symposium

Telleria JC, Hudgins PA, Magliocca K, Patel M, Beitler JJ, Arora J, **Liu Y**, Aiken AH. Accuracy of Preoperative CT in Detecting Pathologic Nodal Extracapsular Spread in Oropharyngeal Squamous Cell Carcinoma. ASNR 54th Annual Meeting May 23-26, 2016

Kushal Naik, **Yuan Liu**, Michael Goodman, Theresa Wicklin Gillespie, Bassel F. El-Rayes, Allan Pickens, Seth Force, Conor Ernst Steuer, Taofeek Kunle Owonikoko, Suresh S. Ramalingam, Dong Moon Shin, Field F. Willingham, Jerome Carl Landry, Felix Fernandez, Nabil F. Saba. Effect of definitive concurrent therapy with or without surgery on resectable esophageal cancer survival: An analysis of the National Cancer Data Base. ASCO, June 3-7, 2016.

Madhusmita Behera, Theresa Wicklin Gillespie, **Yuan Liu**, Yaqi Jia, Kristin Ann Higgins, Conor Ernst Steuer, Nabil F. Saba, Dong Moon Shin, Suchita Pakkala, Rathi Narayana Pillai, Taofeek Kunle Owonikoko, Walter John Curran Jr., Chandra Prakash Belani, Fadlo Raja Khuri, Suresh S. Ramalingam. Non-small cell lung cancer (NSCLC) as a second primary: Analysis of the National Cancer Data Base (NCDB). ASCO, June 3-7, 2016.

Madhusmita Behera, Kelli A OConnell, **Yuan Liu**, Theresa Wicklin Gillespie, Rathi Narayana Pillai, Pretesh Patel, Charles B. Simone II, Cliff Grant Robinson, Taofeek Kunle Owonikoko, Chandra Prakash Belani, Fadlo Raja Khuri, Walter John Curran Jr., Suresh S. Ramalingam, Kristin Ann Higgins. National Cancer Data Base analysis of proton versus photon radiotherapy in non-small cell lung cancer (NSCLC). ASCO, June 3-7, 2016

Shannon Gleason, David H Howard, **Yuan Liu**, Daniel A. Goldstein, Martha Lucia Arellano, Anand P. Jillella, Manila Gaddh, Vamsi Kota, Elliott F. Winton, Leonard T. Heffner, Amelia A. Langston, Gregory Esper, Hanna Jean Khoury. Costs associated with induction chemotherapy in adult acute myeloid leukemia (AML) managed in a tertiary care specialized unit. ASCO, June 3-7, 2016

Michael Evans, **Yuan Liu**, Chuqing Chen, Theresa Wicklin Gillespie, Conor Ernst Steuer, Taofeek Kunle Owonikoko, Suresh S. Ramalingam, Jonathan Jay Beitler, Bassel F. El-Rayes, Felix Fernandez, Kristin Ann Higgins, Naresh Jegadeesh, Alyssa M. Krasinskas, Jerome Carl Landry, Dong Moon Shin, Field F.

Willingham, Nabil F. Saba. Comparative features and overall survival in adenosquamous carcinoma, a rare tumor of the esophagus. ASCO, June 3-7, 2016

Conor Ernst Steuer, Christopher C Griffith, **Yuan Liu**, Kelly R. Magliocca, Mihir Patel, Cynthia Cohen, Taofeek Kunle Owonikoko, Dong Moon Shin, Zhuo Georgia Chen, Nabil F. Saba. A correlative analysis of PDL-1, PD-1, and EGFR, HER2, HER3 expression in oropharyngeal squamous cell carcinoma (OPSCC). ASCO, June 3-7, 2016

Richard John Cassidy, Shannon Kahn, Xi Liu, Theresa Wicklin Gillespie, **Yuan Liu**, Mylin Ann Torres. The role of post-mastectomy radiotherapy among 3,437 women with pathologic T3N0M0 breast cancer in the National Cancer Data Base. ASCO, June 3-7, 2016

Long, Qi

Yi Deng*, Xiaoxi Zhang, and **Qi Long**, "Bayesian Modeling and Prediction of Accrual in Multi-Regional Clinical Trials," Joint Statistical Meetings, Seattle, WA (August, 2015)

Changgee Chang*, Suprateek Kundu, and **Qi Long**, "Bayesian Variable Selection with Dependent Priors for Regularization Parameters," Joint Statistical Meetings, Seattle, WA (August, 2015)

Domonique W Hodge* and **Qi Long**, "Multiple Imputation in the Presence of High-Dimensional Data," Joint Statistical Meetings, Seattle, WA (August, 2015)

Pallavi Mishra-Kalyani*, Brent A. Johnson and **Qi Long**, "Propensity Process: a Balancing Functional," Symposium on Advances in Causal Inference, Survey Statistics, Disclosure Risk, and Missing Data, Ann Arbor, MI (October, 2015)

Domonique W Hodge* and **Qi Long**, "Multiple Imputation in the Presence of High-Dimensional Data," Symposium on Advances in Causal Inference, Survey Statistics, Disclosure Risk, and Missing Data, Ann Arbor, MI (October, 2015)

Samantha M Noreen* and **Qi Long**, "Improving Covariate Balancing Propensity Score for Continuous Treatment Regimes," Symposium on Advances in Causal Inference, Survey Statistics, Disclosure Risk, and Missing Data, Ann Arbor, MI (October, 2015)

Domonique W Hodge* and **Qi Long**, "Nonparametric Imputation for Nonignorable Missing Data," 2016 ENAR Spring Meeting, Austin, TX (March, 2016)

Samantha M Noreen* and **Qi Long**, "Improving Covariate Balancing Propensity Score for Continuous Treatment Regimes," 2016 ENAR Spring Meeting, Austin, TX (March, 2016)

Ziyi Li*, Sandra Safo*, and **Qi Long**, "Incorporating Biological Information in Sparse Principal Component Analysis with Application to Genomic Data," 2016 ENAR Spring Meeting, Austin, TX (March, 2016)

Eun Jeong Min*, Sandra Safo* and **Qi Long**, "Structured Sparse Multiple Co-Inertia Analysis with Applications to Genomics and Metabolomics Data," 2016 ENAR Spring Meeting, Austin, TX (March, 2016)

Yi Deng*, Qing He*, and **Qi Long**, "Bayesian Modeling and Prediction of Accrual Using Gaussian Process," , " 2016 ENAR Spring Meeting, Austin, TX (March, 2016)

Sandra Safo* and **Qi Long**, "Sparse Linear Discriminant Analysis in Structured Covariates Space," 2016 ENAR Spring Meeting, Austin, TX (March, 2016)

Changgee Chang*, Suprateek Kundu, and **Qi Long**, "Bayesian Variable Selection Incorporating Biological Pathway Information Using Dependent Shrinkage Priors," 2016 ENAR Spring Meeting, Austin, TX (March, 2016)

Domonique W. Hodge*, Chiu-Hsieh Hsu and **Qi Long**, "Robust Imputation for non-ignorable missing data," The 25th International Chinese Statistical Association Applied Statistics Symposium, Atlanta, GA (June, 2016)

Ziyi Li*, Sandra Safo*, and **Qi Long**, "Incorporating Biological Information in Sparse Principal Component Analysis with Application to Genomic Data," The 25th International Chinese Statistical Association Applied Statistics Symposium, Atlanta, GA (June, 2016)

Sandra Safo*, Shuzhao Li, and **Qi Long**, "Integrative analysis of transcriptomic and metabolomic data via sparse canonical correlation analysis with incorporation of biological information," The 25th International Chinese Statistical Association Applied Statistics Symposium, Atlanta, GA (June, 2016)

Changgee Chang*, Suprateek Kundu, and **Qi Long**, "Scalable Bayesian Variable Selection for Structured High-dimensional Data," The 25th International Chinese Statistical Association Applied Statistics Symposium, Atlanta, GA (June, 2016)

Eun Jeong Min*, Sandra Safo* and **Qi Long**, "Structured Sparse Multiple Co-Inertia Analysis with Applications to Genomics and Metabolomics Data," The 25th International Chinese Statistical Association Applied Statistics Symposium, Atlanta, GA (June, 2016)

Lijia Wang*, **Qi Long**, Andrew Taylor, and Amita Manatunga, "A Latent Class Modeling Approach for Predicting Kidney Obstruction Based on Renogram Data and Expert Ratings in the Absence of a Gold Standard," The 25th International Chinese Statistical Association Applied Statistics Symposium, Atlanta, GA (June, 2016)

Ziyi Li*, Sandra Safo*, and **Qi Long**, "Incorporating Biological Information in Sparse Principal Component Analysis with Application to Genomic Data," 2016 SROCS Summer Research Conference, Bentonville, Arkansas (June, 2016)

Will Zhu*, **Qi Long**, and Amita Manatunga, "Multiple Imputation of Functional Data with Application to Renal Studies," 2016 SROCS Summer Research Conference, Bentonville, Arkansas (June, 2016)

Changgee Chang*, Suprateek Kundu, and **Qi Long**, "Scalable Bayesian Variable Selection for Structured High-dimensional Data," The Third Shanghai International Statistics Forum, Shanghai, China (July, 2016)

Sandra Safo*, Shuzhao Li, Greg Gibson, and **Qi Long**, "Integrative analysis of transcriptomic and metabolomic data via sparse canonical correlation analysis with incorporation of biological information," The Third Workshop on the Statistical Analysis of Multi-outcome Data, Beijing, China (July, 2016)

Changgee Chang*, Suprateek Kundu, and **Qi Long**, "Scalable Bayesian Variable Selection for Structured High-dimensional Data," The 2nd International Symposium on Data Driven Health and Medicine, Shanghai, China (July, 2016)

Lyles, Bob

Mitchell, E.M.*, **Lyles, R.H.**, Manatunga, A.K., Danaher, M., Perkins, N., and Schisterman, E. "Regression for Skewed Biomarker Outcomes Subject to Pooling", SPEED Session, Joint Statistical Meetings of ASA and Biometric Society, Seattle, WA, August 2015.

Van Domelen, D.*, **Lyles, R.H.**, Mumford, S.L., Mitchell, E., and Schisterman, E. "A Comparison of Methods to Address Unmeasured Confounding When Internal or External Validation Data Are Available", Poster Session, Joint Statistical Meetings of ASA and Biometric Society, Seattle, WA, August 2015.

Lyles, R.H. "Estimating Partial Correlations Between Biomarkers Subject to Detection Limits", FDA Center for Tobacco Products, Statistics Public Workshop Presentation, Silver Spring, MD, November 2015 (invited).

Manatunga, Amita

Dai T*, Guo Y, Peng L and **Manatunga AK**. "Nonparametric Estimation of Agreement Measure Between Ordinal and Censored Continuous Outcomes." Oral presentation in session "Analysis of ordinal data". Joint Statistical Meetings, Seattle, WA, USA, Aug., 2015.

Wang L*, Peng L, Guo Y and **Manatunga AK**. A Method for Constructing a Score from Items in an Instrument with the Concept of Agreement. Joint Statistical Meetings (JSM), Seattle, WA, Aug 2015.

Rahman A*.F., Peng L, **Manatunga AK**, and Guo Y, "Nonparametric Regression Method for Broad Sense Agreement", Invited Talk, Department of Mathematical Sciences, University of Montana, February 29, 2016.

Rahman A*.F., Peng L, **Manatunga AK**, and Guo Y, "Nonparametric Regression Method for Broad Sense Agreement", Invited Talk, Department of Mathematics, Eastern Michigan University, March 08, 2016.

Rahman A*. F. Peng L, **Manatunga AK**, and Guo Y, "Nonparametric Regression Method for Broad Sense Agreement", Invited Talk, Department of Mathematics and Statistics, University of Houston-Downtown, March 22,

2016.

Rahman A*.F., Peng L, **Manatunga AK**, and Guo Y, "Nonparametric Regression Method for Broad Sense Agreement", Invited Talk, Department of Mathematical Sciences, University of Houston-Clear Lake, March 29, 2016.

Rahman A*.F., Peng L, **Manatunga AK**, and Guo Y, "Nonparametric Regression Method for Broad Sense Agreement", Invited Talk, Department of Mathematics and Statistics, Arkansas State University, March 30, 2016.

Rahman A*. F., Peng L, **Manatunga AK**, and Guo Y, "Nonparametric Regression Method for Broad Sense Agreement", Invited Talk, Department of Biostatistics, University of Alabama at Birmingham, April 05, 2016

A. List other achievements in scholarship or research

Mehta, Christina

The female genital tract microbiome is associated with vaginal antiretroviral drug concentrations in HIV-infected women on antiretroviral therapy. Carlson RD, Sheth AN, Read T, Frisch M, **Mehta CC**, Martin A, Evans-Strickfaden T, Haaland RE, Pau C-P, Kraft C, Hart CE, Ofotokun I. 21st International AIDS Conference, Durban, South Africa. July 18-22, 2016.

Haddad LB, Wall K, **Mehta CC**, Golub E, Rahangdale, L, Kempf M-C, Karim R, Wright R, Minkoff H, Cohen M, Kassaye S, Cohan D, Ofotokun I, Cohn SE. Trends and predictors of live-birth and abortion rates among HIV-infected and -uninfected women enrolled in the Women's Interagency HIV study (WIHS): 1994-2012. 21st International AIDS Conference, Durban, South Africa. July 18-22, 2016.

Relationship between physical activity and cardiovascular disease risk in the Women's Interagency HIV Study. Hornbuckle LM, **Mehta CC**, Tien P, Hanna D, Lazar J, Benning L, Cohen M, Mack W, Plankey M, Wingood G. ACSM's 63rd Annual Meeting, 7th World Congress on Exercise is Medicine® and World Congress on the Basic Science of Energy Balance, Boston, MA. May 31- June 4, 2016.

Peng, Limin

†Sun, X., †**Peng L.**, Huang, Y., and Lai, H.C. "Generalizing quantile regression for counting processes with applications to recurrent events", —Invited talk, The 12th Annual Conference on Frontiers in Applied and Computational Mathematics (FACM' 15), Newark, June 2015.

†Zheng, Q. and **Peng, L.** "Model identification of quantile regression with varying covariate effects", —Invited talk, IMS-China 2015, Kunming, July 2015.

†Yang, J. and **Peng, L.** "A new flexible association measure for semi-competing risks data"—Invited talk, 2015 ICSA China Statistics Conference, Shanghai, July 2015.

†Sun, X., †**Peng L.**, Huang, Y., and Lai, H.C. "Generalizing quantile regression for counting processes with applications to recurrent events", —Invited talk, School of Statistics, Shanghai University of Finance and Economics, July 2015.

†Sun, X., †**Peng L.**, Huang, Y., and Lai, H.C. "Generalizing quantile regression for counting processes with applications to recurrent events", —Topic Contributed talk, Joint Statistical Meeting, Seattle, August 2015.

†Sun, X., †**Peng L.**, Huang, Y., and Lai, H.C. †Sun, X., †Peng L., Huang, Y., and Lai, H.C. "Generalizing quantile regression for counting processes with applications to recurrent events", —Invited talk, Division of Biostatistics, Department of Population Health, New York University School of Medicine, October 2015.

†Sun, X., †**Peng L.**, Huang, Y., and Lai, H.C. "Generalizing quantile regression for counting processes with applications to recurrent events", —Invited talk, Department of Biostatistics, University of Texas School of Public Health, November 2015.

Peng, L. "Quantile regression for survival analysis", —Invited talk, New Directions in Quantile Regression, C ambridge, UK, December 2015.

Zheng, Q. and **Peng, L.** “Model selection for quantile regression with varying covariate effects”, —Invited talk, ENAR 2016 Spring Meeting, Austin, TX, March 2016.

Peng, L. “Quantile regression and its extension for survival analysis of biomedical follow-up studies”, —Invited talk, Department of Biostatistics and Medical Informatics, University of Wisconsin-Madison, March 2016.

Peng, L. “Quantile regression and its extension for survival analysis of biomedical follow-up studies”, —Invited talk, Department of Statistics, North Carolina State University, March 2016.

Peng, L. “Quantile regression and its extension for survival analysis of biomedical follow-up studies”, —Invited talk, School of Statistics, University of Minnesota, March 2016.

†Yang, J., **Peng L.**, Zhang Z, Lai H. A Novel Statistical Analysis on the Association between Recurrent Pseudomonas and Recurrent Staphylococcus Aureus Infections in Young Children with Cystic Fibrosis. 2015 North American Cystic Fibrosis Conference, Phoenix, AZ October 2015.

Qin, Steve

A Machine learning approach for predicting transcription factor binding. Joint Statistical Meeting 2015. Seattle, WA, August 7-13, 2015.

Poster presentation: A novel framework for mining genomics big data. Big Data Symposium, Athens, GA, October 12, 2015.

Poster presentation: RefEditor: building personalized diploid reference genome to improve read mapping and genotype calling in next generation sequencing studies. Cold Spring Harbor Asia Conference on Big Data, Computation and Systems Biology in *Cancer*. Suzhou, China. December 2-5, 2015.

Accurate identification of disease-specific non-coding risk variants based on multi-omics profiles. Research Applications and Users Meeting. Stanford, CA. June 6-9, 2016.

traseR: linking genomic intervals to phenotypes using trait-associated GWAS SNPs. ICTBI2016 & WC-TBIW2016. Guiyang, China. June 23-25, 2016.

Safo, Sandra

Sandra Safo and Qi Long, Sparse Linear Discriminant Analysis in Structured Covariates Space, ENAR 2016

Sandra Safo, Shuzhao Li, and Qi Long, Integrative Analysis of Multiple Omics Data with Biological Information, ICSA Symposium on Applied Statistics 2016

Ziyi Li, **Sandra Safo** and Qi Long, Incorporating biological information in sparse principal component analysis with application to genomic data, SRCOS 2016

Eun Jeong Ming, **Sandra Safo** and Qi Long, Structured Sparse Co-Inertia Analysis with Applications to Genomics and Metabolomics Data, ICSA 2016

Scott M. Butler, Lisa R. Staimez, **Sandra Safo**, Mary K. Rhee, Qi Long, Lawrence S. Phillips, Retinopathy Develops at Similar Glucose Levels But Higher HbA1c Levels in Blacks Compared to Whites, American Diabetes Association 76th Scientific Sessions 2016

Switchenko, Jeff

G. Sadigh, R. Carlos, **J. Switchenko**, K. Ward, K. Applegate, R. Duszak. “Breast Cancer Screening in Patients with Newly Diagnosed Lung and Colorectal Cancer: A Population-Based Study of Utilization,” Radiological Society of North America (RSNA) Annual Meeting, November 27 – December 2, 2016, Chicago, IL.

G. Sadigh, R. Carlos, **J. Switchenko**, K. Ward, K. Applegate, R. Duszak. “Sociodemographic Predictors of Breast Cancer Screening in Patients with Newly Diagnosed Lung and Colorectal Cancer: A National Population-Based Study,” Radiological Society of North America (RSNA) Annual Meeting, November 27 – December 2, 2016, Chicago, IL.

A. Kendi, D. Brandon, **J. Switchenko**, J. Wadsworth, M. El-Deiry, N. Saba, D. Schuster, R. Subramaniam. “External validation of therapy response interpretation criteria (Hopkins criteria) with inter-reader reliability, accuracy and progression-free survival outcomes,” Radiological Society of North America (RSNA) Annual Meeting, November 27 – December 2, 2016, Chicago, IL.

J. Lim, **J. Switchenko**, P. Manapragada, J. Galt, A. Nooka, A. Kendi. "Role of PET parameters in multiple myeloma response assessment," Radiological Society of North America (RSNA) Annual Meeting, November 27 – December 2, 2016, Chicago, IL.

M. Russell, S. Chawla, **J. Switchenko**, T. Gillespie. "Ethnic, Racial and Socioeconomic Factors in the Receipt of Multimodality Therapy in Gastric Adenocarcinoma, A Study from the National Cancer Data Base (NCDB)," American College of Surgeons Clinical Congress 2016, October 16-20, 2016, Washington, DC.

M. Russell, S. Chawla, **J. Switchenko**, T. Gillespie. "Presentation, Treatment and Survival of Younger Patients with Gastric Adenocarcinoma (GAC), A National Cancer Data Base (NCDB) Study," American College of Surgeons Clinical Congress 2016, October 16-20, 2016, Washington, DC.

L. Colbert, K. Dharmarajan, **J. Switchenko**, C. Taniguchi, W. Hall, T. Gillespie, D. Kooby, J. Lipscomb, J. Landry. "Radiation for Pancreatic Adenocarcinoma: an End of Life Treatment? A National Cancer Data Base Analysis," American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

H. Danish, R. Cassidy, **J. Switchenko**, C. Flowers, N. Esiashvili, N. Jegadeesh, M. Khan. "Consolidative Radiation for Early Stage Diffuse Large B Cell Lymphoma After CHOP or RCHOP: A Surveillance, Epidemiology, And End Results (SEER) Database Analysis," American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

S. Edelman, E. Waller, M. Graiser, A. Langston, V. Dhere, J. Mikell, **J. Switchenko**, M. Khan. "Comparison of Total Body Irradiation-based Conditioning vs. Chemotherapy-based Conditioning for Allogeneic Hematopoietic Stem Cell Transplant for Acute Leukemia," American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

J. Beitler, **J. Switchenko**, J. Dignam, K. Higgins, B. Eaton, M. El-Deiry, N. Saba, K. Magliocca, A. Kendi, C. Xiao, P. Hudgins, Q. Lee, W. Curran. "Distant Metastatic Rate in Oropharyngeal Squamous Cell Cancer Was Associated with Age, Smoking Status, and Nodal Disease in an NRG Secondary Analysis," American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

P. Patel, E. Schreiber, A. Sutter, D. Whitaker, **J. Switchenko**, K. Higgins. "CT Texture Associations with Histology and Outcomes Following Lung SBRT," American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

M. Abugideiri, K. Patel, **J. Switchenko**, K. Magliocca, Z. Buchwald, J. Delaudio, D. Lawson, H. Danish, J. Beitler, M. Khan. "Adjuvant Radiation Therapy Improved Local Control for Primary Mucosal Melanoma of the Head and Neck," American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

M. Ferris, J. Zhong, **J. Switchenko**, K. Higgins, M. McDonald, B. Eaton, A. Miller, D. Bruner, C. Xiao, J. Beitler, "CNS Dose is Not Associated with Treatment-Related Fatigue in Patients Undergoing Radiation Therapy for Head and Neck Cancer," American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

M. Ferris, H. Danish, **J. Switchenko**, N. Esiashvili. "Excellent Local Control for Consolidative Radiotherapy without Dose Escalation in High-Risk Neuroblastoma," American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

M. Sayan, R. Cassidy, **J. Switchenko**, O. Kayode, N. Saba, C. Steuer, D. Shin, J. Wadsworth, M. El-Deiry, M. Patel, J. Beitler, K. Higgins. "Development of Late Toxicities in Patients with Oral Tongue Cancer Treated with Surgical Resection and Adjuvant Radiation Therapy," American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

R. Cassidy, **J. Switchenko**, N. Jegadeesh, M. Ferris, B. Eaton, K. Higgins, J. Wadsworth, N. Saba, J. Beitler. "Lymphovascular Space Invasion is Associated with Local and Regional Failure and Reduced Survival in Node Negative Oral Tongue Cancers," American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

J. Zhong, **J. Switchenko**, N. Jegadeesh, T. Gillespie, V. Master, P. Nieh, M. Alemozaffar, O. Kucuk, B. Carthon, C. Filson, A. Jani. "Comparison of outcomes in patients with muscle invasive bladder cancer treated with radical

cystectomy versus bladder-preserving chemo-radiation,” American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

M. Chowdhary, K. Patel, **J. Switchenko**, R. Kudchadkar, D. Lawson, H. Danish, R. Prabhu, M. Khan. “Increased Risk of Radiation Necrosis following BRAF inhibitor therapy and Stereotactic Radiosurgery,” American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

H. Danish, K. Patel, **J. Switchenko**, T. Gillespie, J. Jhaveri, M. Chowdhuray, M. Abugideiri, K. Delman, D. Lawson, M. Khan. “The Impact of Post-Operative Lymph Node Radiation Therapy on Overall Survival in Stage III Melanoma, a National Cancer Data Base Analysis,” American Society for Radiation Oncology (ASTRO) Annual Meeting, September 25-28, 2016, Boston, MA.

A. Kendi, S. Mudalegundi, **J. Switchenko**, D. Lee, R. Halkar, A. Chen. “Does FDG PET/ CT alter management of well differentiated thyroid cancer (WDTC) in the follow up period?,” American Head & Neck Society (AHNS) 9th International Conference on Head and Neck Cancer, July 16-20, 2016, Seattle WA.

I. Sethi, **J. Switchenko**, D. Schuster, M. Torres. “Post radiotherapy inflammatory response in Stage 0-III breast cancer patients: Predictive value of pre-treatment FDG PET,” Society of Nuclear Medicine and Molecular Imaging Annual Meeting, June 11-15, 2016, San Diego, CA.

O. Calzada, **J. Switchenko**, J. Maly, K. Blum, N. Grover, S. Mathews, S. Park, M. Gordon, A. Danilov, C. Flowers, J. Cohen. “Deferred treatment is a safe and viable option for selected patients with mantle cell lymphoma,” American Society of Clinical Oncology (ASCO) Annual Meeting, June 3-7, 2016, Chicago, IL.

I. Greenwell, A. Staton, M. Lee, **J. Switchenko**, J. Maly, K. Blum, N. Grover, S. Mathews, S. Park, M. Gordon, A. Danilov, C. Flowers, J. Cohen. “Complex karyotype is associated with inferior progression-free and overall survival in Mantle Cell Lymphoma,” American Society of Clinical Oncology (ASCO) Annual Meeting, June 3-7, 2016, Chicago, IL.

M. Lee, **J. Switchenko**, J. Thomas, J. Koff, L. Nastoupil, M. Lechowicz, A. Langston, C. Flowers, J. Cohen. “Complex karyotype in mantle cell lymphoma (MCL) is associated with inferior progressive-free survival in patients (pts) receiving R-HyperCVAD followed by autologous stem cell transplant,” American Hematology Society Annual Meeting, December 5-8, 2015, Orlando, FL.

M. Chowdhary, K. Patel, D. Lawson, **J. Switchenko**, R. Kudchadkar, M. Khan. “Potential for increased risk of radiation necrosis with BRAF inhibitor and stereotactic radiosurgery,” Society for Melanoma Research 2015 Congress, November 18-21, 2015, San Francisco, CA.

T. Morgan, I. Crocker, **J. Switchenko**, A. Ali, H. Shu. “Radiation therapy for MRI-defined meningiomas: Long-term outcomes from a single institution,” American Society for Radiation Oncology (ASTRO) Annual Meeting, October 18-21, 2015, San Antonio, TX.

T. Heumann, H. Danish, **J. Switchenko**, N. Esiashvili, M. Lechowicz, C. Flowers, M. Khan. “Cutaneous CD30+ Mycosis Fungoides: Response to Rotational Total Skin Electron Irradiation,” American Society for Radiation Oncology (ASTRO) Annual Meeting, October 18-21, 2015, San Antonio, TX.

R. Cassidy, **J. Switchenko**, N. Jegadeesh, R. Rajpara, N. Esiashvili, C. Flowers, M. Khan. “The Role of Consolidative Radiotherapy in Elderly Patients with Diffuse Large B-cell Lymphoma (DLBCL),” American Society for Radiation Oncology (ASTRO) Annual Meeting, October 18-21, 2015, San Antonio, TX.

D. Oliver, K. Patel, **J. Switchenko**, D. Parker, D. Lawson, K. Delman, R. Kudchadkar, M. Khan. “Roles of Adjuvant and Salvage Radiation Therapy for Desmoplastic Melanoma,” American Society for Radiation Oncology (ASTRO) Annual Meeting, October 18-21, 2015, San Antonio, TX.

A. Kendi, K. Magliocca, A. Corey, J. Galt, **J. Switchenko**, J. Wadsworth, M. El-Deiry, P. Hudgins, D. Schuster, N. Saba. “Is there any role of PET/CT parameters to assess primary and metastatic parotid tumors?,” 2015 Annual Meeting of the American Society of Head and Neck Radiology, September 9-13, 2015, Naples, FL.

L. Hannan, **J. Switchenko**, M. Behera, R. Pillai, F. Khuri, S. Ramalingham, T. Gillespie, T. Owonikoko: “Survival impact of adjuvant radiation and chemotherapy in patients with typical and atypical pulmonary carcinoids,” International Association for the Study of Lung Cancer (IASLC) 16th World Conference on Lung Cancer, September 6-9, 2015, Denver, CO.

Waller, Lance

Invited Presentation: Waller, L.A. "Evaluating Data Science Contributions in Teaching and Research", Joint Statistical Meetings, Seattle WA, August 2015

Invited Discussion: Waller, L.A. Discussion of Keiding and Louis "Perils and Potentials of Self-Selected Entry to Epidemiological Studies and Surveys", *Journal of the Royal Statistical Society, Series A*. Read paper, Joint Statistical Meetings, Seattle WA, August, 2015.

Invited Presentation: Waller, L.A. "Spatial statistics and disease ecology: Raccoon rabies". Symposium on Disease Burden and Spatial Models of Exposure to Infectious Agents, Utrecht University, Netherlands.

Invited Presentation: Waller, L.A. "Thoughts on Recruiting a Generation You Don't Belong To", presented at Trends and Innovations in Clinical Trial Statistics, Raleigh NC, May 2016.

Wu, Hao

Base-resolution methylation patterns accurately predict transcription factor bindings *in vivo*, Department of Biostatistics, University of Pittsburgh, Pittsburgh, PA. February 25, 2015.

Short Course: Introduction to the analysis of ChIP-seq Data. Fourth Short Course on Next-Generation Sequencing: Technology and Statistical Methods, University of Alabama at Birmingham, Birmingham, AL. December 17, 2014.

Differential methylation analysis from whole-genome bisulfite sequencing: a matter of spatial correlation, coverage depth and biological variance, Institute of Bioinformatics, University of Georgia, Athens, GA. November 7, 2014.

Short Course: Introduction to statistical epigenomics. Fourth Annual Short Course on Statistical Genetics and Genomics, University of Alabama at Birmingham, Birmingham, AL. July 10, 2014.

A Bayesian Hierarchical Model to Detect Differentially Methylated Loci from Single Nucleotide Resolution Sequencing Data. Third Joint Biostatistics symposium, Chengdu, China. June 28, 2014.

Short Course: Introduction to R and Bioconductor. Fudan University, School of Medicine. Shanghai, China. June 20-26, 2014.

A Bayesian Hierarchical Model to Detect Differentially Methylated Loci from Single Nucleotide Resolution Sequencing Data. ICSA and KISS Joint Applied Statistics Symposium, Portland, OR. June 16, 2014.

Yu, Tianwei

Yu & Peng, Detecting nonlinear associations in high-throughput data with applications in missing value imputation and clustering, ICSA/Graybill Conference 2015

Peng, Ren, Lu and **Yu**, MeDiA-K: mean distance association by K-nearest neighbor to detect nonlinear associations. UGA Big Data Challenges in Life Sciences Symposium 2015

Zhang, Rebecca

Lovasik BP, **Zhang R**, Hockenberry J, Schragger JD, Adams AB, Pastan SO, Patzer RE. Emergency department utilization among United States ESRD patients. American Society of Nephrology Kidney Week; San Diego, CA. November 7, 2015. *Poster Presentation*.

Lovasik B, **Zhang R**, Hockenberry J, Schragger JD, Adams AB, Pastan SO, Patzer RE. Emergency department utilization among end stage renal disease and kidney transplant patients in the United States. Emory University School of Medicine Research Day; Atlanta, GA. April 21, 2016. *Oral Presentation*.

Lovasik BP, **Zhang R**, Hockenberry J, Schragger JD, Adams AB, Pastan SO, Patzer RE. Emergency department utilization among kidney transplant recipients in the United States. Emory University Department of Surgery William C. Wood Research Symposium; Atlanta, GA. March 31, 2016.

Lovasik BP, **Zhang RH**, Adams AB, Pastan SO, Patzer RE. Emergency department utilization among United States ESRD patients. American College of Physicians, Georgia Chapter Meeting; Callaway Gardens, GA. October 23, 2015. *Poster Presentation*

I. List other achievements in scholarship or research

Chang, Howard

Manuscripts under review/revision:

Alhanti BA, **Chang HH**. Bivariate quantile-based calibration of numerical model outputs with application to climate projection.

Chen T, Sarnat SE, Winquist A, Grundstein A, **Chang HH**. Associations between heat waves and emergency department visits in Atlanta, 1993 to 2012

Tian S, Wang C, **Chang HH**. Feature selection for longitudinal microarray data by adapting a pathway analysis method.

Tian S, Wang C, **Chang HH**. Weighted SAMGSR: combining significance analysis of microarray-gene set reduction algorithm with pathway topology-based weights to select relevant genes.

Holmes HA, **Chang HH**, Mulholland JA, Russell A. Spatiotemporal ambient air quality characterization for health studies: Comparison of data fusion techniques using observations, chemical transport models, and satellite retrievals.

Lv B, Hu Y, **Chang HH**, Russell AG, Cai J, Xu B, Bai Y (2016). Daily Estimation of Ground-Level PM2.5 Concentrations at 4 km Resolution over Beijing-Tianjin-Hebei by Fusing MODIS AOD and Ground Observations.

Dionisio KL, **Chang HH**, Baxter LK. A simulation study to quantify attenuation and bias of health risk estimates due to exposure measurement in bipollutant epidemiologic model.

O'Lenick C, **Chang HH**, Kramer M, Winquist A, Mulholland J, Friberg M, Sarnat SE. Ozone and childhood respiratory disease in three US cities: evaluation of effect measure modification by neighborhood socioeconomic status using a Bayesian hierarchical approach.

O'Lenick C, Winquist A, Mulholland JA, Friberg M, **Chang HH**, Kramer M, Sarnat SE. Assessment of Neighborhood-level socioeconomic status as a modifier of air pollution-asthma associations in Atlanta.

Stowell JD, Kim Y, Gao Y, Fu JS, **Chang HH**, Zhou Y, Liu Y. Emissions mitigation may offset ozone-related mortality due to climate change.

Strong C, Zou H, Chen YC, **Chang HH**, Li CY, Ko W, Ko N. Patterns of sexually transmitted infections prior to HIV infection among HIV-infected persons: A nationwide population-based study in Taiwan, 2000-2010.

Keller JP, **Chang HH**, Strickland MJ, Szpiro AA. Measurement error-corrected fine particulate matter exposure and low birth weight in a Georgia cohort.

Naser AM, Unicomb L, Ahmed KM, Doza S, Rahman M, Uddin MN, Quraishi SB, Shamsudduha M, Burgess W, **Chang HH**, Gribble MO, Clasen TF, Luby SP. Stepped-wedge cluster-randomized controlled trial to assess the human health effects of a managed aquifer recharge initiative in coastal Bangladesh: study design and rationale.

Head JR, **Chang HH**, Li Q, Hoover C, Wilke T, Carlton E, Liang S, Lu D, Zhong B, Remais JV. Fine-scale migration patterns of the intermediate host of *Schistosoma japonicum* estimated by Bayesian assignment.

Reese H, Routray P, Torondel B, Sclar G, Delea MG, Sinharoy SS, Zambrano L, Caruso B, Mishra SR, **Chang HH**, Clasen T. Design and rationale of a matched cohort study to assess the effectiveness of a combined household-level piped water and sanitation intervention in rural Odisha, India.

Chen, Nelson

Development of R code for application of Escalation with Over Dose with Normalized Equivalent Toxicity Score (EWOC-NETS) design in cancer Phase I/II clinical trial. (R code available per request).

Extension of the R code to estimate personalized Maximum Tolerated Dose (MTD) in cancer Phase I/II clinical trial using the design: Escalation with Over Dose with Normalized Equivalent Toxicity Score (EWOC-NETS). (R code available per request)

Easley, Kirk

Anderson AM, Lennox JL, Mulligan MM, Loring DW, Zetterberg H, Blennow K, Kessing C, Koneru R, **Easley K** and Tyor WR. Cerebrospinal fluid interferon alpha levels correlate with neurocognitive impairment in ambulatory HIV-infected individuals. Submitted to *Journal NeuroVirology*.

McGary CS, Paganini S, Buzon M, Harrington S, Parrish E, Learn GH, Cervasi B, Harper J, Micci L, Ryan ES, **Easley KA**, Hahn BH, Lichterfeld M, Sekaly RP, Silvestri G, and Pariardini M. PD-1 and CTLA-4-expressing cells are key contributors to viral persistence in ART-suppressed SIV-infected rhesus macaques. Submitted to *Science Translational Medicine*.

A. Manuscripts in Preparation (n=12):

Patel RM, Knezevic A, Shenvi N, Kraft C, Roback JD, Caliendo AM, **Easley KA** and Josephson CJ. Effect of postnatal Cytomegalovirus infection on short-term clinical outcomes among very low birth weight infants. *JAMA Pediatrics*, manuscript in preparation.

Patel RM, Josephson CJ, Roback JD, Knezevic A, **Easley KA**, and Hinkes MT. Association between cumulative supplemental enteral iron exposure and bronchopulmonary dysplasia in very low birth weight infants. *J Pediatrics*, manuscript in preparation.

Fortenberry JD, Nguyen T, Han Y, Aneja R, Wheeler D, Hall M, Fleming G, Barr F, Tarrago R, Buttram S, Dalton H, Rogers K, Dai T, **Easley KA**, Knezevic A, Paden M and Carcillo J. Plasma exchange in children with thrombocytopenia-associated multiple organ failure (TAMOF): A prospective cohort study. *Critical Care Medicine*, manuscript in preparation.

Kelley CF, Kraft CS, Duphare C, Lee H, Yang J, **Easley KA**, Tharp G, Mulligan MM, Sullivan PS, Bosinger S and Amara RR. The rectal mucosa and condomless receptive anal intercourse in HIV negative men who have sex with men: Implications for HIV transmission and prevention. *Science Translational Medicine*, manuscript in preparation.

Guo Y, **Easley KA**, Patel R and Josephson CJ. Statistical measures for characterizing Near-infrared spectroscopy in preterm infants. *Statistics in Medicine*, manuscript in preparation.

Tiliakos A, **Easley KA**, Bao G, **Liu S**, Bridges SL Jr., Callahan LF, Moreland LW, and Conn DL. The effect of daily low dose Prednisone) divided daily versus single daily dose) in the treatment of African Americans with early rheumatoid arthritis*. *Arthritis Care and Research*, manuscript in preparation.

Zuniga J, **Easley KA**, Shenvi N and Holstad M. A comparison of CD4 cell count trends in persons with HIV to persons with HIV and diabetes. To be submitted to *The Journal of the International Association of Providers of AIDS Care*.

Nguyen M, Ward L, **Dai T**, and **Easley KA**. Durability of combined antiretroviral therapy in the established antiretroviral era: the effect of age on durability. *AIDS Research and Human Retroviruses*, manuscript in preparation.

Nguyen M, **Dai T**, and **Easley KA**. Effect of gender rates of increase and normalization of CD4:CD8 ratio after initiation of first combined antiretroviral therapy in a cohort of antiretroviral-naïve patients with advanced HIV infection. *AIDS Research and Human Retroviruses* manuscript in preparation.

Nguyen M, **Dai T**, Vikili J and **Easley KA**. Gender effect on change of body mass index after initiation of first combined antiretroviral therapy in a cohort of antiretroviral-naïve patients with advanced HIV infection. *AIDS Care*, manuscript in preparation.

Baird CH, Wischmeyer PE, **Easley KA** and Ziegler TR. Heat shock protein 70 predicts severity of critical illness in post-surgical patients. *Critical Care*, manuscript in preparation.

Peterson BL, Alvarez AJ, Jones JL, Hebbar G, Griffith DP, Dave N, Hao L, **Easley KA**, Shenvi N, Tangpricha V, Ziegler RT. Impact of hospital-acquired infection on vitamin D status in critically patients. Manuscript in preparation.

Haber, Michael

My research focuses on deriving and comparing statistical methods for estimation of influenza vaccine effectiveness. Two papers in this area have been accepted for publication and two additional papers with BIOS Ph.D. students are in progress.

Long, Qi

Presented a webinar for the PCORI Improving Methods Evidence-to-Action Network, Patient-Centered Outcomes Research Institute (June, 2016)

Presented a seminar at the Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania, Philadelphia, PA (March, 2016)

Presented a seminar at the Modeling and Computation Seminar, University of Arizona, Tucson, AZ (March, 2016)

Presented a seminar at Department of Biomedical Informatics, University of California, San Diego, CA (February, 2016)

Presented a seminar at Department of Biostatistics, University of California, Los Angeles, CA (February, 2016)

Presented a seminar at Department of Biostatistics, Duke University, Durham, NC (January, 2016)

Presented a seminar at Division of Biostatistics, University of Pennsylvania, Philadelphia, PA (December, 2015)

Presented a seminar at the Department of Biostatistics and Medical Informatics, University of Wisconsin, Madison, WI (October, 2015)

Peng, Limin

†Li, R. and **Peng, L.** (2015+). Assessing Quantile Prediction with Censored Quantile Regression Models. *Biometrics* (invited revision).

†Rahman, F.A., **Peng, L.**, Manatunga, A., and Guo, Y. (2015+). Nonparametric Regression Method for Broad Sense Agreement. *Journal of Nonparametric Statistics* (invited revision).

Dai, T., Guo, Y., **Peng, L.**, and Manatunga, A. (2015+). A Local Agreement Pattern Measure Based on Hazard Functions for Survival Outcomes. *Biometrics* (invited revision).

Vellanki, P., Smiley, D.D., Stefanovski, D., Anzola, I., Duan, W., Hudson, M., Peng, L., Pasquel, F.J., Umpierrez, G.E. Randomized Controlled Study of Metformin and Sitagliptin on Long-Term Normoglycemia Remission in African American Patients With Hyperglycemic Crises. *Diabetes Care* (under revision).

Switchenko, Jeff

Guo X, Koff J, Moffit A, Ramachandiran S, Chen Z, **Switchenko J**, Mosunjac M, Neil S, Mann K, Bagirov M, Du Y, Natkunam Y, Khoury H, Rossi M, Harris W, Flowers C, Lossos I, Boise L, Dave S, Kowalski J, Bernal L. Molecular characterization of DLBCL according to selective NFKB1 and NFKB2 signaling and their impact on clinical outcome. Submitted to *Cancer Discovery* on 6/6/16.

Cassidy RJ, **Switchenko JM**, Jegadeesh N, Ferris MJ, Eaton BR, Higgins KA, Wadsworth JT, Saba N, Beitler JJ. Lymphovascular space invasion is independently predictive of local and regional failure as well as survival in node negative oral tongue cancers. Submitted to *Oral Oncology* on 5/30/16.

Saba N, Rossi M, Dwivedi B, **Switchenko JM**, Magliocca K, Zhang H, Patel M, El-Deiry M, Wadsworth T, Chen GZ, Kowalski J, Shin DM. Gene expression signatures in pre-malignant lesions of the head and neck as response markers to EGFR and COX-2 inhibitors – a proof of principle analysis. Submitted to *Journal of Oral Pathology and Medicine* on 5/16/16.

Davis CC, Zelnak A, Eley JW, Goldstein DA, **Switchenko JM**, McKibbin T. Clinical utility of routine cardiac monitoring in breast cancer patients receiving trastuzumab. Submitted to *Annals of Pharmacotherapy* in 3/13/16.

Danish HH, Patel KR, **Switchenko JM**, Gillespie TW, Jhaveri J, Chowdhary M, Abugideiri M, Delman KA, Lawson DH, Khan MK. The influence of post-operative lymph node radiation therapy on overall survival of patients with stage III melanoma, a National Cancer Data Base analysis. Submitted to *Melanoma Research* on 5/10/16.

Sadigh G, Holder CA, **Switchenko JM**, Dehkharghani S, Allen JW. Is there added value in obtaining a cervical spine MRI in the assessment of non-traumatic angiographically-negative subarachnoid hemorrhage? A retrospective study and meta-analysis of the literature. Submitted to *American Journal of Neuroradiology* on 4/13/16.

White TE, Hendershot KA, Dixon MD, **Switchenko JM**, Pelletier W, Haight A, Stegenga K, Alderfer MA, Cox L, Hinds P, Pentz RD. Family strategies to support siblings of pediatric hematopoietic stem cell transplant patients. Submitted to *Pediatrics* on 4/13/16.

Patel KP, Prabhu RS, **Switchenko JM**, Craven C, Mendoza P, Danish H, Zhong J, Grossniklaus H, Aaberg T, Aaberg T, Reddy S, Butker E, Bergstrom C, Crocker I. Visual acuity, oncologic, and toxicity outcomes with palladium 103 (103Pd) versus iodine 125 (125I) plaque treatment for choroidal melanoma. Submitted to *International Journal of Radiation Oncology, Biology, Physics* on 11/25/15.

Switchenko JM, Jennings J, Waller L. Exploring spatially varying demographic associations with gonorrhea incidence in Baltimore, MD, 2002-2005. Submitted to *Epidemiology* on 7/24/15.

Jeroudi A, **Switchenko J**, Bergstrom C. Regression of Uveal Melanoma After Palladium-103 Plaque Brachytherapy Based on Gene Expression Profiling. Submitted to *Ocular Oncology and Pathology* on 7/12/15.

Roche A, El-Deiry M, Cho S, **Switchenko J**, Sterling M, Wadsworth J. Post-operative use of vasopressors in Head and Neck Microvascular Reconstruction. Submitted to *Head and Neck* on 4/6/15.

Ali A, **Switchenko J**, Kim S, Kowalski J, Higgins K, Beitler JJ. A probability model using HPV status and lymph node levels to predict head & neck tumor site origin for squamous cell cancer confined to cervical lymph nodes. Submitted to *International Journal of Radiation Oncology, Biology, Physics* on 2/12/15.

Cassidy R, **Switchenko J**, Wadsworth J, El-Deiry M, Saba N, Beitler JJ. Squamous Cell Carcinoma of the Oral Tongue: Exploring New Trends. Submitted to *Head & Neck* on 2/1/15.

Waller, Lance

Invited seminar, Department of Biostatistics, College of Public Health, University of Florida, October, 2015.

Invited seminar, Department of Statistics, Colorado State University, December 2015.

Invited Seminar, RIVM (Netherlands), Utrecht Center for Infection Dynamics, March 2016.

V. INTERNATIONAL WORK (Activities in countries outside the US)

A. Research (topic of research and country)

Clennon, Julie

- Flight patterns of *Anopheles farauti* - Solomon Islands
- Metropolis, migration and mosquitoes – Brazil
- Contact Tracing with Targeted Indoor Residual Spraying for Dengue control - Australia
- Spatial patterning of influenza transmission – Mexico
- Environmental change and Leishmaniasis transmission - Israel
- Chagas disease vectors – Columbia

Nizam, Azhar

- Epidemiology and Ecology of *V. cholerae* in Bangladesh
- Emory-NYU Tuberculosis Research Unit, fieldwork in Kenya.

Waller, Lance

- Member of dissertation Committee for John Brooke, PhD student at Utrecht University, Netherlands.

- Collaborator on World Health Organization on Neglected Tropical Diseases of the Skin (manuscript under review).
- Emory-NYU Tuberculosis Research Unit, fieldwork in Kenya.
- Dengue fever study in Iquitos, Peru.

Weiss, Paul

- Epidemiological investigations (Japan)

B. Teaching or Training (topic of teaching and country)

Clennon, Julie

- Geographic Information Systems and Spatial Analysis for Public Health - Universidad de Yucatan, Mexico

Nizam, Azhar

- MSCR500: Introduction to Biostatistics, enrollment 33 (live web course for students in Ethiopia and Georgia)
- MSCR533: Data Management, Enrollment 33 (ive web course for students in Ethiopia and Georgia)

Weiss, Paul

- Training course in Statistical methods for Epidemiology (Japan)

C. Other

Clennon, Julie

- Mentoring student in GIS and Spatial Analysis: Oscar Quirós Gómez, Grupo de Epidemiología y Bioestadística, Facultad de Medicina. Universidad CES, Medellín, Colombia.

Manatunga, Amita and Lyles, Robert

- Honored as one of the top 10 publications in American Journal of Epidemiology for the year of 2015. Mitchell EM, Lyles RH, **Manatunga AK**, and Schisterman EF. Semiparametric regression models for a right-skewed outcome subject to pooling. Am J Epidemiol. 2015;181 (7):541–548.

****Asterisk articles, chapters, books or presentations that were co-authored with a student (MPH/MSPH or PhD) or recent graduate***