

LESLIE AIN MCCLURE, PhD

College for Public Health and Social Justice | Saint Louis University
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CURRICULUM VITAE

EDUCATION

- 2004 PhD in Biostatistics
University of Michigan; Ann Arbor, Michigan
Advisor: Morton B. Brown, PhD
Dissertation: "Analysis of Clinical Trials when Treatments Favor Different Outcomes"
Completed the University of Michigan's Interdepartmental Concentration in Public Health Genetics
- 1997 MS in Preventive Medicine and Environmental Health (Specialty: Biostatistics)
University of Iowa; Iowa City, Iowa
- 1995 BS in Mathematics (Minor: Biology)
University of Kansas; Lawrence, Kansas

ACADEMIC APPOINTMENTS & PROFESSIONAL EXPERIENCE

Saint Louis University

- 11/2023-current Dean, College for Public Health and Social Justice
11/2023-current Professor, Department of Epidemiology and Biostatistics

Drexel University

- 9/2015-10/2023 Professor, Department of Epidemiology and Biostatistics
2/2021-8/2023 Associate Dean for Faculty Affairs, Dornsife School of Public Health
9/2015-8/2023 Chair, Department of Epidemiology and Biostatistics
9/2019-2021 Interim Director, Drexel Biostatistics Service Center, Department of Epidemiology and Biostatistics

University of Alabama at Birmingham

- 9/2015-current Adjunct Professor of Biostatistics, Department of Biostatistics
3/2014-8/2015 Head, Section on Research Methods & Clinical Trials, Department of Biostatistics
10/2013-8/2015 Professor of Biostatistics
 - Associate Scientist, UAB Lung Health Center
 - Edge of Chaos Scholar
 - Scientist, UAB Center for AIDS Research

10/2009-9/2013 Associate Professor of Biostatistics
8/2009 -12/2012 Director of Graduate Studies, Department of Biostatistics
7/2004-9/2009 Assistant Professor of Biostatistics

University of Michigan

- 8/1998-6/2004 Graduate Research Assistant
Department of Biostatistics and Center for Clinical Investigations and Therapeutics
Research Advisor: Morton B. Brown, PhD

HONORS AND AWARDS

2022	Inaugural Barry P. Katz Lectureship in Biostatistics and Health Data Science
2021	Kathryn Chaloner Lecture in Statistics and their Application, National Math Alliance
2020	Janet L. Norwood Award for Outstanding Achievement by a Woman in the Statistical Sciences
2020	Golden Apple Teaching Award, Drexel Dornsife School of Public Health
2020	Fellow of the Society for Clinical Trials
2018	Fellow of the American Statistical Association (ASA)
2017–2018 program	Selected Fellow, Hedwig van Ameringen Executive Leadership in Academic Medicine (ELAM)
2017–2018	John R. Raymond Mentor Award, Medical University of South Carolina
2016 Prevention	Elected Fellow of the American Heart Association (FAHA) by the Council on Epidemiology & Prevention
2016	Recipient of the Outstanding Alumni Award, University of Iowa School of Public Health
2014	Keynote Speaker at UAB Doctoral hooding Ceremony
2014	Recipient of the UAB Graduate Dean's Excellence in Mentoring Award
2012	Recipient of the UAB President's Award for Excellence in Teaching for the School of Public Health
2010–2011	Selected to participate in the UAB BLAZE Leadership Academy
2009	Elected to Delta Omega, Honorary Society in Public Health (Upsilon Chapter)
2009	Hadassah "Woman of the Year" — Birmingham Chapter
2002	Michigan Teaching Fellow
1997	University of Michigan Breast Cancer Research Traineeship

UNIVERSITY SERVICE

Drexel University

2020-2023	Member, Dornsife School of Public Health Anti-Racism Task Force
2019-2023	Member, Drexel University IRB 1 & 3
2017-current	Member, Delta Omega Steering Committee
2015-2023	Member, Dean's Executive Committee
2021-2022	Health Management & Policy Chair Search Committee
2020, 2021	DSPH Case Competition Judge
2017-2021	Member, Faculty Senate Committee on Student Life
2020	AJ Drexel Autism Institute Ad Hoc Promotion & Tenure Committee
2020	Delta Omega Abstract Reviewer
2020	Drexel Faculty Bridge Funding Award Reviewer
2019-2020	Member, Middle States Accreditation Team; Governance, Leadership, and Administration Committee
2019-2020	Co-Chair, Drexel/Capital Health Population Health Working Group
2019	Member, Dean Review Committee
2018-2019	Member, Search Committee for Head of Modifiable Risk Factors Group, AJ Drexel Autism Institute
2018-2019	Alternate, Drexel University Tenure Appeals Committee
2017-2018	Member, Associate Dean for Academic and Faculty Affairs Search Committee
2016-2017	Member, MD/PhD Director Search Committee
2017	Member, Biostatistics PhD Planning Committee
2016	Member, MPH Redesign Foundations Course curriculum committee
2015-2017	Member, Biostatistics MS Admissions Committee, Department of Epidemiology & Biostatistics
2015-2016	Co-Chair, Biostatistics Search Committee, Department of Epidemiology & Biostatistics
2015-2016	Member, Executive Committee of the Faculty

2015 Ad-Hoc Member, Appointments, Promotions & Tenure Committee (for 1 review)

University of Alabama at Birmingham

2012–2015 Chair of the Faculty Assembly, UAB School of Public Health
2014–2015 Faculty Senator, School of Public Health
2014–2015 Faculty Senate Research Committee
2012–2013 Department of Health Care Organization and Policy Search Committee for Assistant Professor
2012–2015 Co-Chair for Nominations, Upsilon Chapter of Delta Omega, UAB
2011–2015 Biostatistics Faculty Representative, School of Public Health Executive Committee
2010–2011 SOPH 21 Task Force Member
2010 Chair, Department of Biostatistics Search Committee for open rank/tenure earning position
2009–2012 Director of Graduate Studies, Department of Biostatistics
2009 Commission for the Status of Women in the University
2009 UAB Child Development Center Search Committee for Director
2009 Chair, Department of Biostatistics Search Committee for Research Assistant Professor
2008 Children’s Hospital Simulation Center Scientific Advisory Panel
2008 Department of Environmental Health Sciences Search Committee for Assistant Professor
2007 School of Public Health Glenwood Lecture Subcommittee
2006–2009 School of Public Health Educational Policies Committee, Alternate Member
2005–2009 Department of Biostatistics Graduate Program Committee; Chair, Admissions Subcommittee
2005–2009 Section on Research Methods & Clinical Trials Curriculum Committee
2004–2005 Department of Biostatistics Theory Course Sequence Subcommittee
2004–2005 Department of Biostatistics Qualifying Exam Committee
2004 Chair, Department of Biostatistics Search Committee for Research Assistant Professor
2004 Department of Biostatistics Search Committee for Research Assistant/Associate Professor

University of Michigan

2002–2003 Graduate Student Representative to SPH Ethics Committee
2000– 2001 Biostatistics Student Representative to Departmental Faculty Meetings
Graduate Student Representative to Government Relations Advisory Committee
1998–2000 Chair, Department of Biostatistics Student Activities Committee
Graduate Student Representative to Research Policies Committee
1999–2000 Distinguished Faculty/Graduate Student Seminar Committee Member
1997–1998 Department of Biostatistics Student Activities Committee Member

University of Iowa

1996–1997 Chair, Division of Biostatistics Student Activities Committee
Organizer, Division of Biostatistics Student Journal Club

PROFESSIONAL SERVICE & ENGAGEMENT

Editorial Boards

Pilot and Feasibility Studies (2020–)
Guest Associate Editor, *Circulation* (2014)

Journal Reviewer

Biometrics
Statistics in Medicine
Clinical Trials
Annals of Epidemiology
Spatial & Spatio-temporal Epidemiology
JAMA
New England Journal of Medicine
Journal of the American Heart Association
Women's Health Reports
International Journal of Epidemiology
BMC Research Methodology
Journal of Asthma
Journal of Neurotrauma
Journal of Stroke and Cerebrovascular Diseases
Cancer Epidemiology, Biomarkers & Prevention
Contemporary Clinical Trials
American Journal of Epidemiology
Journal of Thrombosis and Haemostasis
Journal of Clinical Endocrinology and Metabolism
European Heart Journal
Behavior Research Methods
Instruments and Computers

Statistical Reviewer

Stroke
Circulation
Circulation: Cardiovascular Interventions
Circulation: Arrhythmia & Electrophysiology
Epilepsy Research
BMJ Open

Study Sections

Ad hoc reviewer: I02 Special Emphasis Panel: NINDS NeuroNEXT review (May 2023)
Ad hoc reviewer, G49 Special Emphasis Panel: SIREN DCC and CCC review (August 2022)
ECHO Opportunities and Infrastructure Fund Review (April 2021)
Chair, NIDDK Physiology of the Weight Reduced State (PWRS) U24 Data Coordinating Centers Study Section (December 2020)
Ad hoc reviewer, KNOD Study Section (October 2020)
Special Emphasis Panel StrokeNet G28 (May, 2020)
Member, NSD-K Study Section (term: October 2016–July 2019)
Ad hoc reviewer, NSD-K Study Section (July/November 2012; March/June/November 2013; February/June/November 2014; March/November 2015; March/July 2016; May 2020; May 2021)
Ad hoc reviewer, AHA GTOE Pop 2 Committee (April 2016)
Ad hoc reviewer, NASA "Earth Ventures Instrument" panel (October 2015)
Reviewer, NASA Study Section: Health & Air Quality (August 2014)
Reviewer, Special Emphasis Panel XRG1: Member Conflict Population Sciences and Epidemiology (November 2014)
Reviewer, NINDS Special Emphasis Panel SRB-G67 (June, 2013); SRB-G74 (March 2014); SRB-G78 (June 2014)
Reviewer, NIH Population Sciences and Epidemiology Integrated Review Group (June 2011)
Ad hoc Reviewer, NIH/NHLBI Clinical and Integrative Cardiovascular Science Study Section (November 2006; October 2007; October 2008, February 2010)

Reviewer, NIH/NHLBI: “Translating Basic Behavioral and Social Science Discoveries into Interventions to Reduce Obesity” (June 2009)

Data and Safety Monitoring Boards and Committees (DSMB/DSMC)

Ongoing Studies

Chair, DSMC for “A Mobile relational agent to enhance atrial fibrillation self-care.” (NHLBI: R61HL144669)

Chair, DSMC for “PROmote weight loss in obese PAD patients to prevent mobility loss: The PROVE Trial.” (NHLBI: UG3HL141729)

DSMC for “Improving Communication for Primary Care Patients.” (NIA: R61AG061882).

DSMC for “Enhanced ultrasound treatment of chronic wounds with monitoring of healing and quality of life outcomes” (NINR: 1R01NR015995)

DSMC for the VA Cooperative Studies “Optimal Treatment for Recurrent Clostridium Difficile Infection Study” (CSP #596)

Completed Studies

DSMC for “Building a Bridge (between clinical and community care): Post-diagnosis support of persons with dementia and their family” (NIA: R21 AG046716)

DSMC for “ED-Initiated School-Based Asthma Medication Supervision (ED-SAMS)” (PECARN Protocol #38, NHLBI)

DSMB for “The SURE-PD Study” (NINDS: U01 NS090259)

DSMB for the PCORI “Patient Assisted Intervention for Neuropathy: Comparison of Treatment in Real Life Situations (PAIN-CONTRoLS) Study” (PCORI: CER-1306-02496: 2014-2018)

DSMB for “The HI-DEF Study” (NINDS: U01 NS074425)

DSMB for intracranial hemorrhage (ICH) Trials (2004-2010): NINDS 1-R01 NS 044976-01AS, “Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH)”

NINDS 1-R01 NS 046309-01 A1, “Minimally Invasive Surgery + rt-PA for ICH Evaluation (MISTIE)”

NINDS 1-R01 NS 049135-01, “Treatment of Subarachnoid Hemorrhage with Human Albumin (ALISAH)”

NINDS 1-R01 NS 057127-01A1, “Safety and Tolerability of Deferoxamine in Acute Cerebral Hemorrhage”

NINDS 1-R01 NS 044283-06, “The Spot Sign for Predicting and Treating ICH Growth Trials (STOP-IT)”

External Program Reviews

University of Pennsylvania, Graduate Programs in Epidemiology and Biostatistics (May 2022)

Saint Louis University, PhD in Public Health Sciences (April 2021)

West Virginia University, Epidemiology/Biostatistics Departmental Merger (May 2021)

Advisory Boards

University of Iowa Neuroendocrine Tumor Specialized Programs of Research Excellence (SPORE) Center (*Dawn Quelle, PI*) (2019–)

NINDS Clinical Trials Methodology Course External Advisory Committee (2014–)

Myasthenia Gravis Rare Disease Clinical Research Network External Advisory Board (*Henry Kaminski, PI*) (2019–2021)

Lower Merion Township Health Advisory Council (Alternate Member, 2020-2023)

COVID-19 Collaboration Platform (2020)

Aspen Institute Health Sport Index Advisory Group (2017–2018)

Professional Organizations

American Statistical Association (ASA)

ASA Day on the Hill (August 2022)

Member of Committee for Funded Research (2016–)

Justice, Equity, Diversity & Inclusion (JEDI) Outreach Group (2020–2023)

- Chair, Professional Development Committee (2021)
- Organizing Committee (2020)

Chair, Council for Academic Representatives (2018–2019)

- Past chair, 2019–2020; Chair-elect, 2017–18
- Represented statistics and biostatistics department chairs across the US

Session Organizer/Chair, 2021 Joint Statistical Meetings, “Data Coordinating Centers: Telling the Story of Research”
ASA Working Group, ANSAC Data Science Accreditation (2021)

Session Chair, 2020 International Conference on Health Policy Statistics session, “Using Data to Inform the ASA’s
Policy on Sexual Misconduct”

Judge, “This is Statistics 2019 Fall Data Challenge” (2019)

Task Force for Diversity Initiative (2019–2020)

Organizer/Invited Speaker, JSM: “Sexual Harassment & Assault – Confronting the Threat to our Statistical Community”
(2019)

Organizer, 2018 JSM panel: “So you think you want to be a Department Chair?”

Appointed Chair, Task Force on Sexual Assault/Harassment (2017–2019)

Session Chair, 2009 JSM: Oncology Trials

President, Alabama Chapter of the American Statistical Association (2005–2006)

Organizer, ASA traveling short course at University of Alabama at Birmingham (March 2005)

International Biometric Society — East North American Region (ENAR)

President (2023)

President-Elect (2022)

Executive Board Member (2018–current)

Chair, Regional Advisory Board (2017–2021; Chair, 2019–2021; Co-chair, 2018–2019)

Nominations Committee (2019–2020)

Session Organizer/Invited Speaker, ENAR 2019 Spring Meeting: “Finding the right academic fit: experiences from
faculty across the academic spectrum”

US Biostatistics Chair Retreat Organizing Committee (2016–2019); Chair, 2017–2018

Correspondent, *Biometric Bulletin* (2013–2016)

Session Organizer/Chair, Invited Session, ENAR 2014 Spring Meeting: “Weighting to achieve balance”

Committee for Presidents of Statistics Societies (COPSS)

Member (2022–2025)

Member, Committee on Awards (2019–2022)

President’s Award Committee, ASA Representative (2019–2022)

Society for Clinical Trials

Co-Chair, Diversity & Inclusion Task Force (2020)

Elected Member of the Board of Directors (term: 2016–2020)

Chair, Ad Hoc Committee on the Conduct Policy (2019)

Communications Committee Chair (2017–2019), Member (2019–2020)

Abstract Reviewer, 2017 Annual Meeting

Education Committee (2015–2016)

Program Committee Chair (2016 Annual Meeting), Co-Chair (2015 Annual Meeting), Member (2013 and 2014 Annual
Meetings)

Session Chair/Discussant, Topic Contributed Session, 2014 Annual Meeting: “Statistical Potpourri”

Session Organizer/Chair, Invited Session, 2014 Annual Meeting: “Speaking clinical trials: communicating effectively
across disciplines”

Student Paper Competition Committee (2010–2012)

Session Moderator, Statistical Methods, 2009 Annual Meeting

National Alliance for Doctoral Studies in the Mathematical Sciences

Member, Board of Directors (2023)

Chair, Board of Directors (2020–2023)

Associate Director for Statistics (2017–2020)

Statistics Initiative: Chair (2015–2020), Co-Chair (2011–2014)

Organizer/Facilitator, “Recruiting & Retaining Underrepresented Minorities in the Statistical Sciences,” sponsored by SAMSI and NADSMS (June 2014)

Facilitator, “Finding and Keeping Graduate Students in the Mathematical Sciences,” sponsored by AIM, NSF, and NADSMS (July 2012)

Executive Leadership in Academic Medicine (ELAM)

Application Reviewer (2020–2022)

Facilitator for Peer Mentoring, Institutional Action Projects (2019, 2020)

Executive Leadership in Academic Technology, Engineering and Science (ELATES)

Learning Community Advisor (2019–2020)

Facilitator for Peer Mentoring, Institutional Action Projects (2019)

Association of Schools and Programs of Public Health

ASPH Professionalism and Ethics Competency Working Group (2006)

Miscellaneous:

Skype a Scientist (June 2020, January 2021)

Presenter for University of Iowa Summer Institute in Biostatistics (2014–2023)

Presentation to Mission San Jose HS Women in STEM Club (January 2021)

Mentor for a High School Student through Women in STEM ATHENA Subdivision (Summer 2020)

Select Media Appearances

Birmingham News

UAB Magazine

Philadelphia Inquirer

Business Insider Online

AARP Online

American Heart Association Newsletter

WCAU NBC 10 TV (live)

Bloomberg News: Bloomberg Surveillance, TV & Radio (live)

Podcasts

Hit Play Not Pause (Episode 111: How to Research Your Menopause)

Stats + Stories (Episode 199.5: Glass Ceilings in Academia)

Shiny Epi People (Season 1, Episode 17)

ASA Biopharm’s Podcast (Episode 67: Task Force on Sexual Harassment and Assault)

Stats + Stories (Episode 181: How where you live effects your health)

TEACHING

Courses Taught

Drexel University

Spring 2019, 2021, 2023	Biostatistics 823: Theory of Generalized Linear & Mixed Models
Fall 2021	Biostatistics 569/869: Linear Statistical Models
Spring, Summer 2020	Independent Study in Biostatistics: Manuscript Writing
Spring 2020	Biostatistics 560: Intermediate Biostatistics
AY 2019–2020	Research Skills in Biostatistics I-III (co taught with Dr. Harrison Quick)
Fall 2019	Biostatistics 567: Statistical Consulting
Winter 2019	Public Health 500T – Special Topics in Biostatistics: The Lady Tasting Tea
Fall, Winter 2018	Biostatistics 680: Special Topics in Statistical Collaboration
Spring 2017, 2018	Public Health 629 – Introduction to Clinical Trials
Fall 2016	Public Health 312 – Public Health Data Analysis
Winter 2015	Biostatistics 725 – Advanced Clinical Trials I

University of Alabama at Birmingham

Winter 2010, 2011, 2013, 2015	Biostatistics 695 – Special topic in Biostatistics: The Lady Tasting Tea
Summer 2011, Fall 2014	Biostatistics 690 – Applied Problems in Biostatistics
Fall 2005–2006, 2013	Biostatistics 623 – General Linear Models
Winter 2011, 2013	Biostatistics 726 – Advanced Clinical Trials II
Winter 2006, 2008, 2010, 2012	Biostatistics 760 – Generalized Linear and Mixed Models
Fall 2009	Biostatistics 695 – Special Topics in Biostatistics: Statistical Methods for Environmental Data
Winter 2008	Biostatistics 619 – Data Collection, Management & Analysis
Fall 2007–2010	Biostatistics 626 – Introduction to Data Management and Reporting using the SAS System
Fall 2001–2002	Lecturer, Introduction to SAS Programming

Guest Lectures

Drexel University

Fall 2021	EPI T580: Headlines, Hashtags, and Health Panel on Social Media Use
Winter 2016	Public Health 683 – Advanced Clinical Trials

St. Christopher's Hospital for Children

Fall 2020	Fellow's Core Curriculum Series Lecture: Collaborating with Statisticians for Scholarly Activity
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University of Mississippi

Winter 2015, 2017 PHAD 792 - Drug Development and Marketing

University of Alabama at Birmingham

Fall 2007, 2012, Winter 2010 Biostatistics 725 – Advanced Clinical Trials

Fall 2007 Health Services Administration 720 – Doctoral Seminar

Summer 2007 Biostatistics 795 – Special Topics in Applied Statistics

Fall 2005, Winter 2006 GCRC Resident Course on Clinical Research

Winter 2006 Biostatistics 795 – Advanced Clinical Trials II

Fall 2005 Biostatistics 655 – Categorical Data Analysis

Winter 2005, 2007, 2009 Biostatistics 665 – Survival Analysis

Fall 2004 Biostatistics 603 – Intro to Linear Regression

Short Courses

“Charting your course for leadership success.” – Half-day short course

- American Statistical Association Traveling Short Course (November 2022, October 2023)
- Women in Statistics and Data Science Conference (virtual, October 2021)

“Everything you forgot about Biostatistics and were afraid to ask.” – Half-day short course, American College of Epidemiology Meeting (September 2022)

MENTORSHIP

Doctoral Committees Chaired

Dominique McDaniel (Biostatistics, Drexel University), in progress

Dissertation: A Bayesian Approach to Principal Strata in a Clinical Trials Setting

Melissa Meeker (Biostatistics, Drexel University), Completed 5/2023

Dissertation: A Spatial Extension of the Random Forest Algorithm

Current Position: Data Scientist, Mass General Brigham

Shanika De Silva (Biostatistics, Drexel University), Completed 12/2022

Dissertation: Analyzing Spatiotemporal Data Using Propensity Scores

Current position: Biostatistician, Boston Children’s Hospital

Max Pistilli: PhD (Epidemiology, Drexel University), Completed 12/2020

Dissertation: Associations of Socioeconomic Position with Stroke

Current position: Principal Biostatistician, CTI Clinical Trial & Consulting

Matthew Loop: PhD (Biostatistics, UAB), Completed 3/2015

Dissertation: Spatial analysis of hypertension of a large US cohort

Current position: Assistant Professor of Health Outcomes Research and Policy, Auburn University

Peter Merrill: PhD (Biostatistics, UAB), Completed 12/2014

Dissertation: Non-compliance in clinical trials: Statistical Perils

Current position: Statistician, Duke University

Ashutosh Ranjan: PhD (Biostatistics, UAB), completed 7/2014 (with Dr. Christopher Coffey)

Dissertation: "Power issues and internal pilot designs for cluster-randomized trials with unequal cluster sizes"

Current position: Statistician, Quintiles

Shia Kent: PhD (Epidemiology, UAB), completed 12/2011– Committee Chair (with Dr. Edmund Kabagambe)

Dissertation: "The relationship between sunlight exposure and cognitive function and stroke risk"

Current position: Senior Observational Research Manager, AmGen

Kiya Hamilton: PhD (Biostatistics, UAB), completed 10/2009

Dissertation: "Design of the predictive power method with two endpoints"

Current position: Mathematical Statistician at the FDA

Tina Dube: PhD (Biostatistics, UAB), completed 5/2008

Dissertation: "Assessing and correcting the effects of measurement error among correlated covariates in a proportional hazards setting"

Doctoral Committee Service

Yang Xu: PhD (Biostatistics, Drexel University), in progress

Lizbeth Gomez: PhD (Environment and Occupational Health, Drexel University), in progress

Martha Coates: PhD (Nursing, Drexel University), completed 5/2023

Rennie Joshi: PhD (Epidemiology, Drexel University), completed 8/2020

Leny Mathews: PhD (Epidemiology, Drexel University), completed 6/2020

Pam Phojanakong: PhD (Epidemiology, Drexel University), completed 8/2019

Caroline Greene: PhD (Psychology, UAB), completed 7/2018

Liqiong Fang: PhD (Biostatistics, MUSC), completed 3/2016

Hwasoon Kim: PhD (Biostatistics, UAB), completed 9/2015

Brandon George: PhD (Biostatistics, UAB), completed 10/2014

Meghan Tipre: DrPH (International Health, UAB), completed 10/2014

Sandeep Mishra: DrPH (International Health, UAB), completed 9/2014

Peng Li: PhD (Biostatistics, UAB), completed 8/2014

SuJin Jeong: PhD (Health Care Organization & Policy, UAB), completed 5/2013

Sarah Gillett: MD/PhD (Epidemiology, University of Vermont), completed 10/2012

Omar Mbowe: PhD (Biostatistics, UAB), completed 10/2012

John Bentley: PhD (Biostatistics, UAB), completed 12/2011

Milind Phadnis: PhD (Biostatistics, UAB), completed 8/2011

Payal Patel: DrPH (Health Care Organization & Policy, UAB), completed 5/2011

Isabel Garces: PhD (Maternal & Child Health, UAB), completed 5/2009

Qing Li: PhD (Biostatistics, UAB), completed 8/2008

Kathy Harrington: PhD (Health Behavior, UAB), completed 10/2006

Master's Committees Chaired

Avani Mathur: MPH (Epidemiology, Drexel University), completed 7/2023

Ashni Shah: MPH (Epidemiology, Drexel University), completed 7/2023

Sarah Woidill; MS (Biostatistics, Drexel University), completed 3/2022

Emily Joyce: MS (Epidemiology, Drexel University), completed 3/2021 (Co-chair)

Tara McWilliams: MS (Biostatistics, Drexel University), completed 6/2020 (Co-chair)

Adams Ako: MPH (Epidemiology, Drexel University), completed 6/2020

Heather Rollins: MS (Biostatistics, Drexel University), completed 6/2019

Danielle Sienko: MS (Biostatistics, Drexel University), completed 6/2018

Juhi Mittal: MS (Biostatistics, Drexel University), completed 6/2018

Li Zhong: MPH (Biostatistics, Drexel University), completed 6/2018
TJ Risoli: MS (Biostatistics, Drexel University), completed 6/2017
Bridget Daly: MS (Biostatistics, Drexel University), completed 6/2016
Xiaofei Chi: MS (Biostatistics, UAB), completed 11/2015
Matthew Loop: MS (Biostatistics, UAB), completed 5/2012
Kalyani Peri: MS (Biostatistics, UAB), completed 12/2011
Peter Merrill: MS (Biostatistics, UAB), completed 12/2010
Heather Murphy: MS (Biostatistics, UAB), completed 8/2007

Master's and Bachelor's Committee Service

Margie Jefferson: MS (Neurosciences, Wake Forest University), completed 5/2018
Hayley Wells: MS (Psychology, UAB), completed 11/21015
Caroline Greene: MS (Psychology, UAB), completed 8/2014
David Buys: MSPH (Epidemiology, UAB), completed 12/2013
Jessica Swinea: BS (Psychology, Honors, UAB), completed 12/2012
Rekha Ramachandran: MS (Biostatistics, UAB), completed 8/2011
Lindsey Hornung: MS (Biostatistics, UAB), completed 5/2011
Liyan Gao: MS (Biostatistics, UAB), completed 8/2010
Naomi Chen: MPH (Health Behavior, UAB), completed 5/2010
Kerri Howard: MS (Biostatistics, UAB), completed 5/2009
Shia Kent: MS (Epidemiology, UAB), completed 7/2008
Kathakali Ghosh: MS (Biostatistics, UAB), completed 10/2006
Qing Li: MS (Biostatistics, UAB), completed 8/2006

Executive MPH Student Advising/Mentorship

Wandia Mureithi (2022)
Conor Millard (2022)
Samantha Harris (2022)

High School Student Advising/Mentorship

Saumya Chauhan, Mission San Jose High School, Fremont, CA; currently second-year student, Cal Tech University
Through the ATHENA by WiSTEM program

Post-doctoral Student Advising/Mentorship

Tara McAlexander, PhD: 2019-2021
Current Role: Research Assistant Professor of Epidemiology, Drexel University
Jeff Szychowski, PhD: 2006-07
Current Role: Professor of Biostatistics, Chair, UAB
Suzanne Judd, PhD: 2007-09
Current Role: Professor of Biostatistics, UAB
Angela Malek, PhD: 2012-14, 2017-18 (As part of MUSC's John R Raymond Fellowship Award for Mentoring)
Current Role: Associate Professor of Public Health Sciences, Medical University of South Carolina

Faculty Mentorship

Jeff Szychowski, PhD (see above)
Suzanne Judd, PhD (see above)
Julia Gohlke, PhD

Current Position: Associate Professor of Environmental Health, Department of Population Health Sciences, Virginia Tech University

Loni Tabb, PhD (as co-mentor for K01 award)

Current Position: Associate Professor of Biostatistics, Department of Epidemiology & Biostatistics; Associate Dean for Faculty Affairs, Dornsife School of Public Health, Drexel University

Scott Keith, PhD (current)

Current Position: Associate Professor of Biostatistics, Thomas Jefferson University

Tran Huynh, PhD (as part of K01 mentoring team)

Current Position: Associate Professor of Environmental and Occupational Health, University of Minnesota School of Public Health

Jaime Slaughter, PhD

Current Position: Associate Professor of Epidemiology, Gillings School of Global Public Health, University of North Carolina Chapel Hill

Professional Mentorship

Margaret Gacheru (current)

PhD Candidate, Department of Biostatistics, Mailman School of Public Health, Columbia University
Through the American Statistical Association Diversity Mentoring Program

Naomi Gasca, PhD (current)

California Council on Science & Technology Policy Fellow
Through the American Statistical Association Diversity Mentoring Program

Divya Talwar, PhD, MPH, BDS

Clinical Outcomes Research Manager
Division of Orthopedics, Children's Hospital of Philadelphia
Through Philadelphia Public Health Young Leaders Association

Jasmine Sweeting

MPH Student, College of Population Health, Thomas Jefferson University
Research Assistant, College of Medicine, Drexel University
Through Philadelphia Public Health Young Leaders Association

GRANTS AND FUNDED RESEARCH

Active Grants

McClure (PIs)	06/01/2023 – 06/30/2024
Drexel University	\$15,000

Drexel Bridge Funding Award

This award is intended to bridge effort to support work on the NSF ADVANCE grant, in order to prepare for a larger grant. In short, the NSF ADVANCE program at Drexel is intended to support equity in the promotion from Associate to Full Professor. The bridge award will support additional data collection and analysis, and preparation of publications and our next ADVANCE grant.

Robins, PI	07/01/2022 – 6/30/2027
NIH	\$11,458,893

Public Health and Autism Science advancing Equitable Strategies across the lifespan (PHASES)

The goal is to address key attributes of health via research in each of the main components the public health research cycle (discovery, testing, translation/dissemination/ implementation) to address gaps in our understanding of critical factors that impact wellbeing for persons with autism across different stages of life.

NSF2114168 (Walker, McClure, Schulties, Kelly) 07/01/2021 – 12/30/2023
NSF \$300,000

Catalyzing STEM Gender Equity at Drexel: Building a Foundation for Systemic Transformation

The goal of this project is to utilize intersectional approaches to assess the state of STEM faculty equity. Specifically, our goals are (1) to assess the state of faculty at Drexel, specifically women and underrepresented minorities (URM) faculty; (2) increase the number of STEM women and URM faculty; (3) increase the number and percentage of women and URM faculty being promoted to full professor; and (4) pilot and sustain system change strategies for faculty recruitment and retention.

Role: Co-PI

R01 AG061116-01 (Gitlin) 09/01/2018-8/31/2023
NIH/NIA \$2,499,333

Efficacy of the WeCareAdvisor: An Online Tool to Help Caregivers Manage Behavioral and Psychosocial Symptoms in Patients with Dementia

This randomized clinical trial will assess the efficacy of the WeCareAdvisor, an on-line tool, developed to help caregivers manage their loved ones with dementia.

Role: Co-I

R01 ES027696 (Kaufman) 9/15/2017-6/30/2021
NIH/NIEHS \$687,881

Air Pollutants and Cardiovascular Risk: Investigating Thresholds with Pooled Cohorts and Electronic Health Records

This proposal applies a combination of proven and novel approaches to: 1) define the concentration-response relationship between long-term exposure to air pollutants and incident cardiovascular disease events and mortality; and 2) compare the results obtained using traditional epidemiological cohort data with approaches using “big data” sources.

Role: Co-I

R01 HD039961 (Robins) 76/01/2017-12/30/2023
NIH/NICHD \$2,500,000

Early Detection of Autism Spectrum Disorder

This randomized trial examines the impact of early screening for ADS compared to usual care with respect to cognitive and developmental outcomes. This study will investigate three key questions: (1) what is the best age to initiate screening (12, 15, or 18 mos)? (2) Can accuracy of physician surveillance be improved with a brief, focused intervention? (3) What are the factors associated with disparity in effective ASD screening and surveillance at the child/family level (e.g., race/ethnicity, socioeconomic status, sex) and at the physician/practice level (physician beliefs and self-efficacy, practice location, and patient demographics)?

Role: Data Coordinating Center PI

Selected Completed Grants

1U54CA267735 (Diez Roux) 10/01/2021-08/31/2026
NIH \$14,000,000

Role: Co-I, Director of Faculty Development Core

Kales, PI 07/01/2022 – 6/30/2023
NIH/NIA \$30,826 (subcontract)

Reducing inappropriate medication use for BPSD and improving health outcomes in PLWD

2 U01 NS041588 (S. Judd/G Howard/J. Manly) 2/15/2018 – 1/31/2023
NIH/NINDS \$372,590 (Subcontract)

VCID and Stroke in a Bi-racial National Cohort (REGARDS)

Role: Subcontract PI, Lead Statistician

U01 DP006293 (McClure) 09/30/2017-08/31/2022
CDC \$2,971,440

Component B: Coordinating Center for Community Characteristics Associated with Geographic Disparities in Diabetes

Role: PI

NU380T000280 (Zakai) 09/01/2020 – 07/31/2022
 CDC \$1,400,000

Understanding risk factors and burden of COVID-19 related thrombosis and or bleeding complications

Role: PI of Data Coordinating Center

RF1 AG056111 (He) 04/01/2017 – 3/31/2022
 NIH/NIA \$1,973,920 (Subcontract)

Trace mineral levels, the trajectory of cognitive decline and telomere attrition

Role: Subcontract PI

4956-RFPA15-2/17-2 (Clougherty) 06/01/2017 – 05/31/2020
 Health Effects Institute

Susceptibility to Multiple Air Pollutants in Cardiovascular Disease

Role: Co-I

U01 NS41588 (Howard) 12/01/2012 - 11/30/2018
 NIH/NINDS \$20,967,522

Etiology of Geographic and Racial Differences in Stroke (REGARDS)

Role: Co-I

U0G3 OD023342 (Newschaffer) 09/21/2016-08/31/2018
 NIH \$1,340,008

An ASD Enriched Risk (ASD-ER) ECHO Cohort

Role: Co-I

R01 000422514 (He & McClure, co-PIs) 08/17/2012-04/30/2018
 NIH/NIEHS \$46,918 (Subcontract)

Trace Element Levels and Risk of Stroke: A Reason for "Stroke Belt"

Role: Co-PI

R21 HD078371 (Schwebel) 09/01/2015 – 08/31/2017
 NIH-NICHD \$275,000 (Subcontract)

Distracted Pedestrian Behavior: Using Virtual Reality to Increase Safety

Role: Co-I

R01 AG039588 (V Howard) 9/30/2011 - 8/31/2016
 NIH/NIA \$547,325

Childhood SES Factors: Impact on Age-Related Cognitive and Vascular Health

Role: co-I

R01 NS38529 (Benavente) 02/01/2012 - 02/28/2016
 NIH/NINDS \$ 427,159

Secondary Prevention of Small Subcortical Stroke (SPS3)

Role: Subcontract PI

R01 HD080477 (Turan) 5/12/2014 – 4/30/2015
 NIH-NICHD/University of Colorado \$78,279

Maximizing Adherence & Retention For Women And Infants In The Context Of Option B+ In Kenya

Role: Consultant

R21 HD075960 (Schwebel) 01/01/2014 - 12/31/2015

NIH/NICHD \$122,717
A Website to Teach Children Safety with Dogs: Development and Evaluation
Role: Co-I

R01 NS083346 (Johnson) 03/15/2011 - 02/28/2014
NIH/NINDS \$20,575
Secondary Prevention of Small Subcortical Strokes Genetic Substudy
Role: Subcontract PI

NNX09AV81G (McClure) 10/01/2011 - 12/30/2014
NASA \$252,731
Linking NASA Environmental Data with a National Public Health Cohort Study to Enhance Public Health Decision Making
Role: PI

R01 HD058573 (Schwebel) 05/01/2009 - 04/30/2014
NIH/NICHD \$ 213,515
Using Virtual Reality to Teach Children to Safely Cross the Street
Role: Co-I

NIH U01 NS41588 (Howard, G) 10/01/08-09/30/12
NIH/NINDS \$8,823,283
Etiology of Geographic and Racial Differences in Stroke (REGARDS)
Role: Co-I

1RC 1HL099460 (Zakai) 09/30/09 - 08/31/12
NIH/NHLBI \$488,400
Reasons for Racial Disparities in Venous Thromboembolism
Role: Subcontract PI

5R01HL86972 (Gerald) 08/01/2007-05/31/2012
NIH-NHLBI \$724,825
The Effects of a School-Based Hand Sanitizer Program on Asthma
Role: Co-I

NNM07AA05A (McClure) 06/01/2007-05/31/2012
NASA \$587,047
A Collaborative Agreement Between the UAB School of Public Health & NASA
Role: PI

No Number Assigned (Bradley) 05/28/2009 - 05/27/2011
Genzyme Corporation \$100,000
Cognitive Function and Decline in Fabry Disease: A Pilot Feasibility Study
Role: Co-I

R01 NS38529-04 (Elkind) 03/25/2005 - 04/30/2011
NIH/NINDS \$145,229
Levels of Inflammatory Markers in Treatment of Stroke (LIMITS)
Role: Subcontract PI

No Number Assigned (Curtis) 01/01/2007-12/31/2010
Arthritis Foundation \$321,000
Osteoporosis and Associated Stroke and MI in a Multi-Ethnic Cohort
Role: Co-I

R40MC8728 (Gerald) 09/01/2007-09/31/2010
MCH \$287,580
The Impact of Caregivers (Parents) Health Literacy on Pediatric Asthma Outcomes
Role: Co-I

5R01HL75043 (Gerald) 05/01/2004-04/30/2007
NIH-NHLBI \$2,155,790
Effectiveness of School-Based Supervised Asthma Therapy
Role: Co-I

No number assigned (Warnock) 12/22/2003-12/21/2007
Amgen
Renal Ancillary Study of the REGARDS Study
Role: Co-I

INVITED SEMINARS

“You have a mentor, now what?”
College of Engineering, Drexel University (April, 2023)

“You Learn Something New Every Day: My Life as a Collaborative Statistician.”
Alabama/Mississippi Chapter of the American Statistical Associate Meeting – Keynote Address (March 31, 2023)
Barry Katz Lectureship in Biostatistics and Data Science, IUPUI (October 13, 2022)
American Statistical Association Kansas-Western Missouri Chapter Meeting – Keynote Address (October 27, 2022)
Chaim Sheba Medical Center (December 26, 2022)
School of Public Health, Tel Aviv University (December 26, 2022)
Ben Gurion University (December 29, 2022)

“Measuring cognitive function among older US adults: the REGARDS study”
Healthy Longevity Research Center & School of Public Health, Tel Aviv University (December 28, 2022)

“Assessing Geographic Differences in Diabetes: The Tale of Two Exposures”
Division of Biostatistics, Northwestern University (May 9, 2022)

“Developing Nationwide Exposures to Assess Geographic Differences in Diabetes Incidence: Tales from the Diabetes LEAD Network”
Department of Biostatistics & Bioinformatics, Vanderbilt University (April 13, 2022)
Colorado School of Public Health (March 3, 2021)
Department of Biostatistics, University of Iowa (February 3, 2020)
Department of Biostatistics, University of Florida (December 2, 2019)

“Women in Statistics: We’ve Come so Far?”
Department of Biostatistics, University of Alabama at Birmingham (October 20, 2020)
“Effective Collaboration with a Statistician”
St. Christopher’s Hospital for Children (October 13, 2020)

“Sample Size Re-Estimation: A Cautionary Tale”
Department of Public Health Sciences, Penn State College of Medicine (December 12, 2019)

“A Post-Hoc Evaluation of Sample Size Re-Estimation: What Happens in Real Life?”
Departments of Math and Statistics, and Biostatistics; Georgia State University (September 13, 2019)
Department of Biostatistics, UNC-Chapel Hill (February 14, 2019)
Department of Epidemiology, Biostatistics and Occupational Health, McGill University (February 5, 2019)

“Sexual Misconduct: A 21st Century View.”

Drexel Faculty Women’s Association, Drexel University (February 25, 2019)

“Adaptive Designs in Clinical Trials: An Introduction and Example”

PRISM at NYU (October 24, 2018)

“An Introduction to Cluster-Randomized Trials”

Center for AIDS Research, University of Alabama at Birmingham (October 9, 2018)

“A Post-Hoc Evaluation of a Sample Size Re-Estimation: The SPS3 Experience”

Department of Biostatistics, Bloomberg School of Public Health Johns Hopkins University (October 1, 2018)

Department of Epidemiology and Biostatistics, George Washington University (September 8, 2017)

Department of Epidemiology and Population Health, Albert Einstein College of Medicine (September 27, 2017)

“A Day in the life of a Biostatistician”

Ursinus College (January 22, 2016; April 11, 2018)

Temple University Math Club (February 24, 2017)

King University (February 23, 2015)

“Sample Size Re-Estimation: Is Bigger Always Better?”

Division of Biostatistics, School of Public Health, University of Minnesota (March 1, 2017)

Department of Pharmacology and Experimental Therapeutics, Thomas Jefferson University (April 12, 2016)

Department of Biostatistics & Epidemiology, Perelman School of Medicine, University of Pennsylvania (February 18, 2016)

“Effective Collaboration with a Biostatistician”

Translational Medicine Course for MD and PhDs, University of Alabama at Birmingham (April 22, 2015)

“Monitoring Futility in a 2x2 Factorial Design”

Department of Biostatistics, Ohio State University (March 27, 2015)

Department of Epidemiology & Biostatistics, Drexel University School of Public Health (October 27, 2014)

Association of Clinical and Translational Statisticians (August 4, 2013)

“Is bigger always better? Sample Size Re-Estimation in SPS3”

Department of Biostatistics, University of Alabama at Birmingham (July 8, 2014)

“Bigger isn’t always better: the Secondary Prevention of Small Subcortical Strokes Study”

Comprehensive Cardiovascular Research Center Research Conference, University of Alabama at Birmingham (February 27, 2014)

“Re-estimating sample size midtrial: The SPS3 Experience”

Department of Biostatistics, University of Florida College of Public Health and Health Professions (December 6, 2013)

“Adaptive Designs in Clinical Trials”

University of Mississippi College of Pharmacy (April 22, 2013)

“Compliance in Clinical Trials”

Division of Epidemiology & Biostatistics, University of Arizona College of Public Health (February 25, 2013)

“Sample size re-estimation in an on-going clinical trial: the SPS3 experience.”

Department of Biostatistics, University of Kansas Medical School (January 25, 2013)

“Lessons learned from an on-going clinical trial: the SPS3 experience.”

University of Miami Department of Epidemiology and Public Health, Division of Biostatistics Seminar (May 23, 2012)
University of Arizona Mel & Enid Zuckerman College of Public Health Scholar Seminar (October 5, 2011)

“Multiple outcomes in clinical trials: a comparison of methods.”
University of Iowa Department of Biostatistics (October 19, 2001)

SELECTED PRESENTATIONS

1. **McClure, LA**; Ridley, A; Gngang, E (November 2022). The Field of Dreams Conference (Minneapolis, MN). “Preparing for your first professional position.” (invited panel)
2. **McClure, LA**; Kaur, A; Dasgupta, N; Tang, L (August 2022). Joint Statistical Meetings (Washington, DC). “The Forgotten Middle: Mid-Career Survival and Innovation.” (invited panel)
3. **McClure, LA**; Young, L; Chartier, K (April 2022). Innovations in Design, Analysis, and Dissemination: Frontiers in Biostatistics & Data Science (virtual). “Leadership and Mentoring in Quantitative Sciences.” (invited panel)
4. **McClure, LA**; Banuelos, R; Hughes Oliver, J (April 2022). The Joint Mathematics Meeting (virtual). “The Math Alliance: 15 years of building a new American community in the mathematical and statistical sciences.” (invited panel)
5. **McClure, LA** (March 2022). Drexel University Department Chair Professional Development. “Faculty Recruitment, Retention and Development. In 50 minutes or less...”
6. **McClure, LA**; Gerondelis, A; Kurtz, R; Weber, S (September 2021). Drexel University New Department Head Orientation. “Learning from Experienced Department Chairs.”
7. **McClure, LA**; Carlson, NE; Hanlon, AL; Morton, SC; Price, D; Sammel, MD (2021). Women in Statistics and Data Science Conference (virtual). “It’s never too early to develop leadership skills.” (invited panel)
8. **McClure, LA** (August 2021). Joint Statistical Meetings (virtual). “The stories of effective statistical partnerships: an in-depth look at educational outreach, knowledge, and data sharing.” (invited panel)
9. **McClure, LA** for the Diabetes LEAD Network Investigators. (June 2021). Society for Epidemiologic Research Annual Meeting (virtual). “Multi-site initiative to assess the role of the neighborhood socioeconomic environment and food environment on diabetes incidence: lessons learned from the Diabetes Location, Environmental Attributes and Disparities (LEAD) Network.” (invited)
10. **McClure, LA** (June, 2021). Society for Epidemiologic Research Annual Meeting (virtual). “Transforming the future of epidemiologic practice through justice, equity, diversity, and inclusion (JEDI): practical considerations and lessons learned.” (invited panel)
11. **McClure, LA**; Ranjan, A; Coffey, CS (May 2021). Society for Clinical Trials Annual Meeting (virtual). “Challenges in implementing sample size re-estimation in cluster-randomized trials.” (invited)
12. **McClure, LA** and Sweet, T (November 2020). Drexel University Journal Club. “Interim results from COVID-19 Phase III Vaccine Trials.” (discussion leader)
13. **McClure, LA** and Sweet, T (August 2020). Drexel University Journal Club. “Phase II Clinical Trials Results from Vaccines for COVID-19.” (discussion leader)
14. Butler, E; Enders, F; **McClure, LA**; Usher, T (October 2020). Women in Statistics and Data Science, Virtual. “Promoting hiring practices that advance equity, diversity, and inclusion.” (invited panel)

15. Bellamy, SB; Betensky, R; Garcia, R; **McClure, LA**; Tabb, LP (October 2020). Women in Statistics and Data Science, Virtual. "Promoting mentor-mentee relationships: an effective strategy to enhance pipeline initiatives to increase diversity in (bio)statistics and data science." (invited panel)
16. Desai, M; **McClure, LA**; Millen, B; Price, D (March, 2020). ENAR Spring Meeting (presented virtually). "Mentoring throughout a lifetime: considerations for mentors and mentees at all career stages." (invited panel)
17. Benn, E; LaLonde, D; **McClure, LA** (October 2019). Women in Statistics and Data Science Conference, Bellevue, WA. "Promoting an inclusive and equitable culture for women in statistics and data science: recommendations from the ASA Task Force on Sexual Harassment and Assault." (panel presentation)
18. **McClure, LA**. (July, 2019). Diversity Mentoring Workshop, Joint Statistical Meetings, Denver, CO. "Effective Presentations" (invited presentation)
19. **McClure, LA**; Benn, E; LaLonde, DE; Morton, S; Santos, R (July, 2019). Joint Statistical Meetings, Denver, CO. "Sexual Harassment and Assault: Confronting the Threat to our Statistical Community." (invited presentation/panel)
20. **McClure, LA**; Cai, J; Hanlon, A; Patel, S; Rieger, R (March, 2019). ENAR Spring Meeting, Philadelphia, Pennsylvania. "Finding the right academic fit." (invited panel)
21. **McClure, LA** and Tekwe, C (March, 2019). Fostering Diversity in Biostatistics Workshop, ENAR Spring Meeting, Philadelphia, Pennsylvania. "Balance and Self-Care in the Field." (invited panel)
22. **McClure, LA**, Lin, X; Rathauz, P. Vannucci, M (March, 2019). ENAR Workshop for Junior Biostatisticians in Health Research, Philadelphia, Pennsylvania. "Leadership, Promotion, Career Development." (invited panel)
23. **McClure, LA** and Stuart, L (December, 2018). ENAR WebENAR "Lessons and Strategies for a Career in Academia."
24. **McClure, LA**; Long, L; Tison, S; Judd, S; Howard, G; Cushman, M. Computational and Methodological Statistics, Pisa, Italy. (December, 2018). "Statistical properties of sub-cohort selection when testing interactions in biomarker studies."
25. **McClure, LA** (October, 2018). Women in Statistics and Data Science, Cincinnati, OH. "Seeking Work-Life Balance Integration."
26. Benn, E; Cook, D; Lum, K; **McClure, LA**; Mengersen, K; Millen, B; Waller, L (August, 2018). Joint Statistical Meetings, Vancouver, BC. "Addressing Sexual Misconduct in the Statistics Community." (late-breaking invited session).
27. **McClure, LA** (May, 2018). Society for Clinical Trials, Portland, OR. "Design of an Adaptive Trial of Extra-Corporeal Membrane Oxygenation for Refractory Out-of-hospital Cardiac Arrest (EROCA): Discussant." (invited session)
28. Clyde, M; **McClure, LA**; Price, D; Stuart, E (October, 2017). Women in Statistics and Data Science, La Jolla, CA. "Too young to lead, but stepping up anyway." (invited panel)
29. **McClure, LA** (September, 2017). Biostatistics in the Modern Computing Era, Milwaukee, WI. "Sample size re-estimation: is bigger always better?" (invited)
30. **McClure, LA**; (May, 2017). Society for Clinical Trials Annual Meeting, Liverpool, UK. "Sample size re-estimation: is bigger always better?" (invited)
31. **McClure, LA**, Lin, X; Rathauz, P. Vannucci, M (March, 2017). ENAR Workshop for Junior Biostatisticians in Health Research, Philadelphia, Pennsylvania. "Leadership, Promotion, Career Development." (invited panel)

32. **McClure, LA**; George-Jackson, C; Kutzko, P; Chaloner, K (July, 2014). International Conference on STEM Education, Vancouver, British Columbia. "A new disciplinary model for increasing the number of underrepresented minorities in the mathematical sciences."
33. **McClure, LA**; Szychowski, JM; Benavente, O; Hart, RG; Coffey, CS (May, 2013). Society for Clinical Trials Annual Meeting, Boston, Massachusetts. "Evaluating the impact of increasing the sample size in the Secondary Prevention of Small Subcortical Strokes (SPS3) Trial: hindsight is 20/20".
34. **McClure, LA**; Szychowski, JM; Benavente, O; Hart, RG; Coffey, CS (February, 2013). International Stroke Conference, Honolulu, Hawaii. "Increasing the sample size in the Secondary Prevention of Small Subcortical Strokes (SPS3) study: what did we gain?" (poster)
35. **McClure, LA**; Kleindorfer, DO; Cushman, M; Soliman, EZ; Howard, G; Kissela, BM (February, 2013). International Stroke Conference, Honolulu, Hawaii. "The performance of the Framingham stroke risk score in the REGARDS cohort." (poster)
36. **McClure, LA**; Loop, MS; Crosson, WL; Kleindorfer, DO; Kissela, BM; Al-Hamdan, MZ (February, 2013). International Stroke Conference, Honolulu, Hawaii. "Fine particulate matter (PM_{2.5}) and the risk of stroke in the REGARDS cohort." (poster)
37. Kent, ST; **McClure, LA**; Crosson, WL; Al-Hamdan, MZ; Wadley, VG; Judd, SE; Peace, F; Kabagambe, EK (February, 2012). International Stroke Conference, New Orleans, LA. "Relationship between sunlight and temperature exposure to stroke incidence in the REasons for Geographic and Racial Differences in Stroke (REGARDS) study." (poster – received considerable press coverage)
38. **McClure, LA**; Szychowski, JM; Benavente OB; Hart, RG; Conwit, R; Coffey, CS (February, 2011). International Stroke Conference, Los Angeles, CA. "The use of an unplanned adaptive design in an NIH-sponsored stroke prevention trial – observations from SPS3."
39. **McClure, LA** (September, 2010). NASA Public Health Program Update, San Antonio, Texas. "Linking NASA Environmental Data with a National Public Health Cohort Study to Enhance Public Health Decision Making."
40. **McClure, LA**; Szychowski, J; Benavente, O; Hart, RG; Coffey, CS (May, 2010). The Society for Clinical Trials Annual Meeting, Baltimore, Maryland. "The effect of an unplanned sample size re-estimation on the Type I error rate."
41. Estes, M; Al-Hamdan, M; Estes, S; Crosson, W; Quattrochi, D; Kent, S; **McClure, LA** (April, 2010). University of Alabama at Birmingham School of Public Health Research Day, Birmingham, Alabama. "Utilization of high-resolution satellite data from the National Land Cover Data: the relationship between hypertension and living environment in the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study." (poster, 3rd prize – faculty division)
42. **McClure, LA**; Crosson, W; Al-Hamdan, M; Kent, S; Estes, S; Quattrochi, D; Estes, M (November, 2009). The American Public Health Association's 137th Annual Meeting, Philadelphia, Pennsylvania. "Utilization of high-resolution satellite data from the National Land Cover Data: the relationship between hypertension and living environment in the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study." (roundtable discussion)
43. **McClure, LA**; Howard, G; Coffey CS (May, 2009). The Society for Clinical Trials Annual Meeting, Atlanta, Georgia. "Monitoring Futility in Two-by-Two Factorial Studies."
44. **McClure, LA**; Howard, V; Wadley, V; Safford, M; Stewart, M; Wagner, L; Temple, E; Rhodes, D; Howard, G. (April, 2009). University of Alabama at Birmingham Minority Health Research Conference. "A novel approach to studying racial and geographic differences in stroke in a nation-wide community sample: the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study." (poster)

45. Howard, VJ; **McClure, LA**; Zhang, S; Howard, G; Colabianchi, N; Hooker, SP (April, 2009). University of Alabama at Birmingham Minority Health Research Conference. "Racial and Geographic Differences in Self-Reported Moderate or More Physical Activity: the REasons for Geographic And Racial Differences in Stroke (REGARDS) Study."
46. **McClure, LA** (September, 2008). NASA Public Health Program Update, Biloxi, Mississippi. "A Cooperative Agreement between the NASA and the UAB School of Public Health."
47. **McClure, LA** (May, 2008). The American Thoracic Society International Meeting, Toronto, Canada. "Effective Collaboration with a Statistician." (invited)
48. **McClure, LA** (May, 2008). The American Thoracic Society International Meeting, Toronto, Canada. "Establishing Academic Partnerships with NASA." (invited)
49. **McClure, LA**; Szychowski, J; Coffey, CS (September, 2007). SPS3 Annual Investigator's Meeting, San Diego, California. "The effect of re-consenting on power and bias in SPS3."
50. **McClure, LA** (March, 2007). Birmingham Southern College, The University of Montevallo. "Biostatistics at UAB".
51. **McClure, LA** (October, 2006). The University of Michigan Brown Bag Seminar Series; (November, 2006) The University of Alabama at Birmingham Journal Club. "Pursuing Academic Jobs: Advice for Graduates".
52. **McClure, LA** (September, 2006). SPS3 Annual Investigator's Meeting, San Antonio, Texas. "The effect of drop-outs/losses to follow-up and treatment non-compliance in time to event studies."
53. **McClure, LA**; Coffey, CS; Howard, G (August, 2006). The Joint Statistical Meetings, Seattle, Washington. "Monitoring fertility in two-by-two factorial studies".
54. **McClure, LA**; Graham, H; Roper, A; Gerald, L (May, 2006). Society for Clinical Trials, Orlando, Florida. "Internet-based monitoring of asthma symptoms, peak flow meter readings, and absence data in a school-based study."
55. **McClure, LA**; Howard, V; Cushman, M; Safford, ME; Lewis, CE; Prineas, RJ; Voeks, J (March, 2006). 46th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, Phoenix, Arizona. "Racial and regional differences in hormone therapy use in a national sample in the post-WHI era: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Study". (poster)
56. **McClure, LA** (November, 2005). Fall 2005 StatFest, Tallahassee, Florida "Biostatistics at UAB".
57. **McClure, LA**; Howard, V; Lewis, CE; Safford, M; Cushman, M; Prineas, R; Voeks, J (August, 2005). Advancing the Study of Stroke in Women, Raleigh, North Carolina. "Racial Differences in Hormone Therapy Use in a National Sample in the Post-WHI Era: The REasons for Geographic and Racial Differences in Stroke (REGARDS) Study". (poster)
58. **McClure, LA**; Brown, MB (August, 2004). The Joint Statistical Meetings, Toronto, Ontario. "Analysis of Clinical Trials When Treatments Favor Different Outcomes".
59. **McClure, LA**; Brown, MB (May, 2004). Society for Clinical Trials, New Orleans, Louisiana. "Analysis of Clinical Trials When Treatments Favor Different Outcomes".
60. **McClure, LA**; Brown, MB (August, 2002). The Joint Statistical Meetings, New York, New York. "Designing Clinical Trials when Treatments Favor Different Outcomes".
61. **McClure, LA**; Brown, MB (August, 2001). The Joint Statistical Meetings, Atlanta, Georgia. "Multiple Outcomes in Clinical Trials: A Comparison of Methods".

62. **McClure, LA**; Carlson, NE; Brown, MB (August, 1999). The Joint Statistical Meetings, Baltimore, Maryland. "A Comparison of Pulse Identification Programs Applied to Hormone Data". (poster)

PUBLICATIONS

Published Letters

Wadley, VG; Howard, VJ; **McClure, LA**; Cushman, M; Howard, G (2013). "Reply to Dr. Ismailov." *Annals of Neurology* 73(1): 146-7.

Book Chapters

Kempler, S; et al. *Environmental Tracking for Public Health Surveillance*. Editors: Morain, SA and Budge, AM. CRC Press, The Netherlands: 2013. pages 280-283.

Non-Refereed Publications

McClure, LA (2022). "My ASA Story." *Amstat News*, July, 2021.

McClure, LA and Brown, MB (2001). "Multiple Outcomes in Clinical Trials: A Comparison of Methods". *ASA Proceedings of the Joint Statistical Meetings* (electronic).

Carlson, NE; **McClure, LA**; Brown, MB (1999). "A Monte Carlo Comparison of Three Model-Based Pulse Detection Algorithms". *Proceedings of the Biometrics Section of the ASA*, 357-362.

McClure, LA; Carlson, NE; Brown, MB (1999). "A Comparison of Pulse Identification Algorithms Applied to Hormone Data". *Proceedings of the Biometrics Section of the ASA*, 363-367.

Refereed Articles

1. McAlexander, TP; Ryan, V; Uddin, J; Kanchi, R; Thorpe, LE; Schwartz, BS; Carson, AP; Rolka, DB; Adhikari, S; Pollak, J; Lopez, P; Smith, M; Meeker, M; **McClure, LA** (2023). "Associations between PM2.5 and O3 exposures and new onset type 2 diabetes in regional and national samples in the US." *Environmental Research* (in press)
2. Algur, Y; Rummo, PE; McAlexander, TP; De Silva, SSA; Lovasi, GS; Judd, SE; Ryan, V; Malla, G; Koyama, AK; Lee, DC; Thorpe, LE; **McClure, LA** (2023). "Assessing the association between food environment and dietary inflammation by community type: a cross-sectional REGARDS study." *International Journal of Health Geographics* <https://doi.org/10.1186/s12942-023-00345-4>
3. Chen, C; Yang, K; Nan, H; Unverzagt, F; **McClure, LA**; Irvin, MR; Judd, S; Cushman, M; Kamin Mukaz, D; Klaunig, JE; D'Alton, ME; Kahe, K (2023). "Association of telomere length and change with cognitive decline were modified by sex and race: the REGARDS Study." *American Journal of Alzheimer's Disease and Other Dementias* (in press).
4. Arce Rentería, M; **McClure, LA**; Callas, PW; LaBode-Richman, VM; Kroll, DS; Manly, JJ; Zakai, NA; Unverzagt, F; Cushman, M (2023). "Lipoprotein(a) and risk of cognitive impairment in Black and White Americans: The Reasons for Geographic and Racial Differences in Stroke cohort." *Research and Practice in Thrombosis and Haemostasis*. 7:e102170. PMID: PMC10491800

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