Jennifer A. Smith, PhD, MPH

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EDUCATION

2011	**Ph.D. Epidemiological Sciences** University of Michigan Dissertation Title: "Genetic Architecture of Leukoaraiosis and Cognitive Function" (with Dr. Sharon L.R. Kardia)
2009	**M.A. Statistics** University of Michigan
2005	**M.P.H. Health Management and Policy** University of Michigan Interdepartmental Concentration in Public Health Genetics
2001	**B.S. Biological Sciences** Cornell University Concentration in Genetics

ACADEMIC APPOINTMENTS

Department of Epidemiology, School of Public Health, University of Michigan

2020-	Associate Professor
2016-2020	Assistant Professor
2015-2016	Research Assistant Professor
2012-2015	Assistant Research Scientist
2011-2012	Research Area Specialist Lead
2004-2010	Graduate Student Research Assistant / Instructor

Survey Research Center, Institute for Social Research, University of Michigan

2020-	Research Associate Professor
2016-2020	Research Assistant Professor

CENTER AND PROGRAM AFFILIATIONS

Current Affiliations

2019- **Director**, Certificate Program in Public Health Genetics (CPHG)
School of Public Health, University of Michigan, Ann Arbor, MI

2018- **Core Faculty**, Center for Social Epidemiology and Population Health (CSEPH)
School of Public Health, University of Michigan, Ann Arbor, MI

2017- **Associate Director** (2025-Present), **Executive Committee Member** (2021-Present), and **Faculty Affiliate** (2017-2021), Genome Sciences Training Program (T32)
School of Public Health, University of Michigan, Ann Arbor, MI

2016- **Collaborator**, BioSocial Methods Collaborative
Institute for Social Research, University of Michigan, Ann Arbor, MI

2015- **Investigator**, TOPMed: Trans-Omics for Precision Medicine Program
National Heart, Lung and Blood Institute, National Institutes of Health

2015- **Associated Faculty Member**, Center for Midlife Science
School of Public Health, University of Michigan, Ann Arbor, MI

2014- **Affiliated Scientist**, Michigan Center on the Demography of Aging (MiCDA)
Institute for Social Research, University of Michigan, Ann Arbor, MI

2014- **Faculty Member**, Population, Neurodevelopment, and Genetics (PNG) Program
Institute for Social Research, University of Michigan, Ann Arbor, MI

Previous Affiliations

2022-2026 **Member**, Michigan Genomics Initiative Access Committee
University of Michigan AI and Digital Health Innovations (*previously UM Precision Health)*, Ann Arbor, MI

2021-2026 **Associate Director**, Michigan Genomics Initiative Data Collection Workgroup
University of Michigan AI and Digital Health Innovations (*previously Cohort Development Workgroup at UM Precision Health*), Ann Arbor, MI

2016-2018 **Faculty Affiliate**, Center for Social Epidemiology and Population Health (CSEPH)
School of Public Health, University of Michigan, Ann Arbor, MI

2012-2019 **Associated Faculty Member**, Certificate Program in Public Health Genetics (CPHG)
School of Public Health, University of Michigan, Ann Arbor, MI

2012-2018 **Steering Committee Member**, Center for Integrative Approaches to Health Disparities
School of Public Health, University of Michigan, Ann Arbor, MI

RESEARCH GRANTS

Current Grants

2 R01 HG009124 Zhou (PI) 05/01/23 – 02/28/27
NIH/NHGRI $350,000 (Annual Direct Costs)
New Computational Tools for Advanced Analytics in Genome-wide Association Studies
Role: Co-Investigator

U01 AG064948 Lee/Kardia (MPIs) 09/15/19 – 08/31/26 (NCE)
NIH/NIA $2,703,152 (Annual Direct Costs)
Harmonized Diagnostic Assessment of Dementia (DAD) for Longitudinal Aging Study of India (LASI) – Genomic study
Role: Co-Investigator

R01 AG057510-S2 Ajrouch (PI) 09/01/19 – 05/31/26 (NCE)
NIH/NIA $249,100 (Annual Direct Costs)
Alzheimer's Disease risk and Ethnic Factors: The case of Arab Americans – Administrative Supplement for Saliva Collection
Role: Co-Investigator

R25 AG053227 Faul/Mitchell/Ware (MPIs) 08/15/22 – 04/30/27
NIH/NIA $139,000 (Annual Direct Costs)
Genomics for Social Scientists
Role: Co-Investigator

U01 AG009740 Weir (PI) 05/31/24 – 12/31/29
NIH/NIA $25,560,261 (Annual Direct Costs)
Health and Retirement Study Years 35-40
Role: Lead Genetic Epidemiologist for Consortium Collaborations

6T32 HG000040 Boehnke (PI) 08/01/25 – 06/30/29
NIH/NHGRI $3,625,000 (Total Direct Costs)
University of Michigan Training Program in Genomic Sciences
Role: Associate Director

R01 HL155569 Liu (PI) 09/01/21 – 06/30/26 (NCE)
NIH/NHLBI $350,000 (Annual Direct Costs)
Mitochondrial DNA, Nuclear DNA Methylation, and Cardiometabolic Disease Traits
Role: Consultant

Previous Grants

R01 AA028263 Liu (PI) 07/01/21 – 04/30/26
NIH/NIAAA $350,000 (Annual Direct Costs)
Trans-omic Analysis of Alcohol Consumption and its Relation to Cardiovascular Disease
Role: Consultant

R01 AG067506 Antonucci (PI) 06/01/20 – 03/31/26 (NCE)
NIH/NIA $1,000,000 (Annual Direct Costs)
Racial/ethnic Disparities in ADRD Risk: The Impact of Social Relations
Role: Co-Investigator

R01 MD011721 Needham/Rehkopf (MPIs) 08/16/17 – 05/31/24 (NCE)
NIH/NIMHD $500,000 (Annual Direct Costs)
Race/Ethnicity, DNA Methylation, and Disparities in Cardiovascular Mortality: NHANES 1999-2002
Role: Co-Investigator

U01 AG009740 Weir (PI) 01/01/18 – 12/31/23
NIH/NIA $17,306,462 (Annual Direct Costs)
Health and Retirement Study Years 29-34
Role: Research Staff

R01 AA026687 Birditt (PI) 09/20/19 – 08/31/23 (NCE)
NIH/NIAAA $411,863 (Annual Total Costs)
Alcohol Consumption and Cardiovascular Health among Older Couples: The roles of Genetics and Marital Quality
Role: Co-Investigator

R01 AG061118 Liu (PI) 08/01/19 – 04/30/23
NIH/NIA $267,723 (Total Costs)
Marriage, Cognitive Trajectories, and ADRD Risk in Late Life
Role: Consultant

R01 HL141291 Morrison/Wolberg (MPIs) 02/01/19 – 01/31/23
NIH/NHLBI $12,000 (Total Direct Costs for UM Subcontract)
Using Genomics and Functional Biology to understand Fibrinogen and its effect on Thrombotic and Atherosclerotic Outcomes
Role: Principal Investigator of UM Subcontract

R01 HL141292 Smith (PI) 04/01/18 – 01/31/23 (NCE)
NIH/NHLBI $1,888,652 (Total Direct Costs)
A Social Epigenomic Approach to Health Disparities in Cardiovascular Risk Factors
Role: Principal Investigator

R25 AG053227 Faul/Mitchell/Kardia (MPIs) 09/15/16 – 04/30/22 (NCE)
NIH/NIA $125,000 (Annual Direct Costs)
Genomics for Social Scientists
Role: Co-Investigator

U01 AG017719 Harlow (PI) 09/15/16 – 05/31/22 (NCE)
NIH/NIA $914,234 (Annual Direct Costs)
SWAN Repository IV
Role: Co-Investigator

K99/R00 AG056599 Schmitz (PI) 09/01/17 – 08/31/22
NIH/NIA $245,000 (Total Direct Costs)
Life Course Determinants of Epigentic Age Acceleration and Subsequent Dementia
Role: Principal Investigator of UM Subcontract

R01 AG055406 Ware/Bakulski (MPIs) 09/15/17 – 05/31/21
NIH/NIA $450,000 (Annual Direct Costs)
Characterizing Disparities in Late-Onset Alzheimer's Disease Risk through Polygenic Risk and Epidemiologic Factors in the Health and Retirement Study
Role: Co-Investigator

R01 HL133221 Smith (PI) 07/01/16 – 04/30/21
NIH/NHLBI $1,636,482 (Total Direct Costs)
Epigenetics of Arteriosclerosis in African American Hypertensive Sibships
Role: Principal Investigator

MCubed 3.0 Project Zhao/Smith/Sen (MPIs) 03/14/19 – 12/30/20
University of Michigan $60,000 (Total Direct Costs)
Epigenetic Signatures of Stress and Mental Health
Role: Principal Investigator

Pilot Grant Zhou (PI) 01/01/19 – 12/31/19
Michigan Institute for Clinical and Health Research (MICHR), $15,000 (Direct Costs)

Statistical methods for integrating functional annotations to detect differentially methylated regions using summary statistics in translational epigenetic studies
Role: Co-Investigator

R01 HL118305 Rao (PI) 12/01/13 – 11/30/19
NIH/NHLBI $2,061,405 (Annual Direct Costs)
Multi-Ethnic Study of Gene-Lifestyle Interactions in Cardiovascular Traits
Role: Co-Investigator

R01 HL119443 Kardia (PI) 09/01/14 – 08/31/19
NIH/NHLBI $700,000 (Annual Direct Costs)
Genetic Mechanisms of Arteriosclerosis in Hypertensive Sibships
Role: Co-Investigator

R01 AG051125-03S2 Lee (PI) 09/15/17 – 05/31/19
NIH/NIA $115,089 (Total Direct Costs)
Harmonized Diagnostic Assessment of Dementia (DAD) for Longitudinal Aging Study of India (LASI)
Role: Co-Investigator

P60 MD002249 Mendes de Leon/Diez Roux (PIs) 09/01/12 – 08/31/17
NIH/NIMHD $1,238,326 (Annual Direct Costs)
Michigan Center for Integrative Approaches to Health Disparities (CIAHD)
Social and Biologic Predictors of Cardiovascular Risk among African Americans (Diez Roux, R01 PI)
Role: Co-Investigator and Research Core Principal Investigator

U01 AG009740 Weir (PI) 01/01/11 – 12/31/17
NIH/NIA $13,173,570 (Annual Direct Costs)
Health and Retirement Study Years 23-28
Role: Role: Lead Genetic Epidemiologist for Consortium Collaborations

MCubed 2.0 Project Richards/Bohnsack/Smith (MPIs) 11/19/15 – 04/29/17
University of Michigan $60,000 (Total Direct Costs)
The Madeline Interface
Role: Principal Investigator

R03 AG048806 Smith/Faul (MPIs) 09/30/14 – 05/31/17
NIH/NIA $200,000 (Total Direct Costs)
Interplay of Genetic & Socioeconomic Predictors of Memory Decline in Older Adults
Role: Principal Investigator

R03 AG046389 Kardia (PI) 09/01/13 – 08/31/16
NIH/NIA $200,000 (Total Direct Costs)
Genetic and Psychosocial Predictors of Blood Pressure and Body Mass Index
Role: Co-Investigator

R01 HL086694 Chakravarti (PI) 08/05/11 – 05/30/14
NIH/NHLBI
Genome-Wide Association Analysis in Essential Hypertension
Role: Co-Investigator

RC4 AG039029 Weir (PI) 09/30/10 – 08/31/14
NIH/NIA
Expanding a National Resource for Genetic Research in Behavioral and Health Science
Role: Co-Investigator

R01 HL101161 Diez Roux/Needham (PIs) 06/15/10 – 3/31/15
NIH/NHLBI
Stress, Gene-Environment Interaction and Cardiovascular Disease
Role: Co-Investigator

RC1 HL100185 Kardia (PI) 09/30/09 – 12/31/12
NIH/NHLBI
Epigenetic Predictors of Common Chronic Diseases
Role: Research Area Specialist Lead

P60 MD002249 Diez Roux (PI) 09/01/07 – 08/31/12
NIH/NCMHD
Michigan Center for Integrative Approaches to Health Disparities (CIAHD)
Genetic and Social Factors in Blood Pressure Control in Hypertensives (R01)
Role: Research Area Specialist Lead

R01 HL087660 Kardia (PI) 04/01/07 – 03/31/12
NIH/NHLBI
Genomic Predictors of Arteriosclerosis in Hypertensives
Role: Research Area Specialist Lead

R01 NS041558 Turner (PI) 08/05/09 – 07/31/13
NIH/NINDS
Genetics of Microangiopathic Brain Injury
Role: Graduate Student Research Assistant

U01 HL72524 Arnett (PI) 09/30/02 – 08/31/06
NIH/NHLBI
Genetic and Environmental Determinants of Triglycerides (GOLDN)
Role: Graduate Student Research Assistant

TEACHING

Fall 2025 **Instructor**, Introduction to Public Health Genetics (PUBHLTH 311/EPID 511), Department of Epidemiology, University of Michigan, Ann Arbor, MI
This course is designed for those interested in a basic understanding of human genetics who have had only a very limited exposure to biologic sciences. This course covers the basics of genetics at both the molecular and population level. In addition to the basic science, some ethical, legal, and social implications of genetics research are discussed, emphasizing examples relevant to public health.

Winter 2018 – Winter 2025 **Instructor**, Genomics in Epidemiology (EPID 516), Department of Epidemiology, University of Michigan, Ann Arbor, MI
Taught annually except Winter 2023
This course relates genomics to the core public health discipline of epidemiology, emphasizing the use of genomics to help describe disease frequency and distribution and to gain insights into biological etiologies. Topics include genetic material in disease, in families, and in populations; the investigation of multifactorial traits; association and linkage disequilibrium (LD); gene × gene interactions and gene × environment interactions; modern analytical techniques including Mendelian randomization and LD score regression; systems biology, epigenomics, and transcriptomics. Issues related to study implementation are considered, and hands-on

computational skills are emphasized.

Fall 2012 – Fall 2024	**Instructor**, Genetics in Public Health (EPID 515), Department of Epidemiology, University of Michigan, Ann Arbor, MI Taught annually except Fall 2022 *This course provides an in-depth examination of major topics in public health genetics including the fundamentals of population genetics, newborn screening diseases and practices, and the genetics of common chronic diseases including cancer. It also introduces topics such as the ethical/legal/social issues surrounding genetic testing, eugenics, epigenetics, linkage analysis, gene-environment interaction, and genetic association studies.*
Winter 2009	**Graduate Student Instructor**, Genomics in Epidemiology (EPID 516), Department of Epidemiology, University of Michigan, Ann Arbor, MI
Fall 2008	**Graduate Student Instructor**, Introduction to Epidemiology (EPID 600), Department of Epidemiology, University of Michigan, Ann Arbor, MI
Summer 2008	**Graduate Student Instructor**, Fundamentals of Biostatistics (EPID 701), Department of Epidemiology, University of Michigan, Ann Arbor, MI

GUEST LECTURES

Winter 2022 – Winter 2026	"Social epigenomics and cardiovascular health," *Introduction to Precision Health* (PHARM 217), University of Michigan, Ann Arbor, MI
Winter 2020 – Present	"Embodiment of social factors," *Social Epidemiology: From Frameworks to Policy* (EPID 591), University of Michigan, Ann Arbor, MI. **Used yearly on Coursera platform (online MPH program)* - "Theories of embodiment" - "Primer on genetics and epigenetics" - "Mechanisms and biomarkers" - "Gene-environment interactions" - "Implications for practice and policy"
Winter, 2025	"Eugenics and genetics: Historical and modern perspectives," *Introduction to Public Health Genomics* (PUHG 7011), University of Cincinnati, OH, and Bahir Dar University, Ethiopia (Virtual)
Winter, 2025	"Social epigenomics and cardiovascular health," *Genomic Biology* (MCDB 408), University of Michigan, Ann Arbor, MI
Winter, 2025	"Genetic associations, gene-by-social factor interactions, and multi-omic analysis of cognitive function and dementia," *Genomic Biology* (MCDB 408), University of Michigan, Ann Arbor, MI
Fall 2017 – Fall 2021 & Fall 2023	"Replication and reproducibility in epidemiologic studies: Historical perspective, challenges, and strategies," *Principals and Methods of Epidemiology* (EPID 601), University of Michigan, Ann Arbor, MI
Winter 2017 – Winter 2023	"Responsible authorship and publications: Peer review," *Responsible Conduct of Research and Scholarship* (EPID 889), University of Michigan, Ann Arbor, MI
Winter 2016 – Winter 2018	"Overview and modern applications of human genetics, genomics, and beyond," *Molecular Epidemiology* (EPID 582), University of Michigan, Ann Arbor, MI

Fall 2013	"Epigenetics, gene-by-environment interactions, and social epidemiology," *Social Epidemiology* (EPID 514), University of Michigan, Ann Arbor, MI
Fall 2013, Winter 2016	Panelist, "Department of Epidemiology Alumni," *Doctoral Seminar* (EPID 890), Department of Epidemiology, University of Michigan, Ann Arbor, MI
Fall 2009	"Internet resources for genetic epidemiology," *Genomics in Epidemiology* (EPID 516), University of Michigan, Ann Arbor, MI
Fall 2007	"Epidemiology of colorectal cancer," *Genetics in Public Health* (EPID 515), University of Michigan, Ann Arbor, MI
Fall 2007	"Neuroepidemiology of Autism Spectrum Disorders," *Neuroepidemiology* (EPID 616), University of Michigan, Ann Arbor, MI
Fall 2007	"Genetic testing in the genomic era: Social and policy implications," *Genetics in Public Health* (EPID 515), University of Michigan, Ann Arbor, MI
Summer 2007, 2008, 2010	"Genetics in nursing," *Health Promotion and Risk Reduction for Individuals and Families* (Nursing 334), University of Michigan, Ann Arbor, MI
Fall 2006	"Asthma pharmacogenomics," *Genetics in Public Health* (EPID 515), University of Michigan, Ann Arbor, MI
Fall 2006	"Newborn screening policies and practices," *Genetics in Public Health* (EPID 515), University of Michigan, Ann Arbor, MI

MENTORSHIP

International Scholar Exchange Program Mentor

2019	Belayneh Lulseged, MPH St. Paul's Millennium Medical College, Ethiopia

Junior Faculty

2024-	Andrew Brouwer (Epidemiology), Secondary Mentor
2022-2025	Wei Zhao (Survey Research Center), Secondary Mentor
2021-2024	Helen Meier (Survey Research Center), Secondary Mentor
2020-2022	Wei Zhao (Epidemiology), Primary Mentor

Postdoctoral Fellows

2024-2025	Christina Hutten (Cardiology)
2021-2023	Farah Ammous (Epidemiology)

Doctoral Dissertation Chair

2024-	Muhammad Zia ul Haq (Epidemiology) *(Dissertation title forthcoming)*
2023-2025	Justin Oldham (Epidemiology) *Biomarkers of clinically relevant endpoints in progressive pulmonary fibrosis*

2021-2025 Hasan Abu-Amara (Epidemiology)
Genetic associations with cognitive function and Alzheimer's Disease biomarkers in older South Asians across India

2021-2024 Lauren Opsasnick (Epidemiology)
Epigenetic biomarkers of long-term psychosocial stress and their relationships with cardiometabolic risk factors

2021-2024 Lisha Lin (Epidemiology)
Epigenetic associations with sociodemographic factors and cardiometabolic profiles across the lifecourse

2020-2024 Yi Zhe (Izzy) Wang (Epidemiology)
Genetic and socio-contextual determinants of age-related chronic diseases in multi-ancestry cohorts: From molecular mechanisms to gene-by-environment interactions

2019-2023 Dima Chaar (Epidemiology)
Socio-contextual and multi-omic associations with cognition and structural brain measures in older African Americans

2017-2021 Farah Ammous (Epidemiology)
Effects of DNA methylation on cardiovascular disease, target organ damage, and their risk factors in African Americans

Doctoral Dissertation Committee Member

2025- Jack Li (Biostatistics)
(Dissertation title forthcoming)

2024- Brady Ryan (Biostatistics)
(Dissertation title forthcoming)

2024- Ruoyao Shi (Biostatistics)
(Dissertation title forthcoming)

2024-2025 Aubrey Annis (Biostatistics)
Methods and applications for improving interpretation of genetic and genomic data

2023-2025 Zheng Li (Biostatistics)
Statistical methods for integrative genetic and genomic data analysis

2023- Alicia Dominguez (Biostatistics)
Statistical approaches and methods to address the impact of study design, winner's curse, and confounding on the utility of polygenic risk scores

2022-2026 Kyle Gontjes (Microbiology & Immunology)
Drivers of emergence and spread of antibiotic resistance in carbapenem-resistant Klebsiella pneumoniae

2022- Debraj Bose (Biostatistics)
(Dissertation title forthcoming)

2022 Pedro Orozco del Pino (Biostatistics)
Transferability of polygenic risk scores across ancestral populations and data integration methods for improving prediction on small sample studies

2021-2022 Yongwen Zhuang (Biostatistics and Scientific Computing)
Statistical methods for genome by phenome analysis using large biobank data

2021-2023	Ketian Yu (Biostatistics) *Imputation and fine-mapping in genetic association studies*
2021	Zhangchen Zhao (Biostatistics) *Genetic association and prediction methods for biobank data*
2020-2023	Lulu Shang (Biostatistics) *Statistical methods and computational tools for genetics and genomics data*
2020-2022	Aleda Leis (Epidemiology) *Cardiometabolic risk factors and acute kidney injury*
2019-2020	Yanyi Song (Biostatistics) *Bayesian shrinkage in high-dimensional mediation analysis*
2018-2021	Kayla Getz (Epidemiology) *Statin use and head and neck squamous cell carcinoma outcomes*
2018-2020	Kristen Kelly (Epidemiology) *Using genetic epidemiology to explore etiologic hypotheses of depression*
2017-2019	Wenchao Li (Epidemiology) *Socioeconomic status, food intake, and metabolic dysregulation in an aging population*
2015-2018	Minjung (MJ) Kho (Epidemiology) *The genetics of sodium intake and its role in blood pressure variation in multi-ethnic populations*
2015-2017	Kristen Brown (Epidemiology) *Getting "under the skin": Human social genomics in the Multi-Ethnic Study of Atherosclerosis*
2014-2015	Paul Christine (Epidemiology; Medicine) *Bridging the gap: biologic, behavioral, and environmental contribution to the development of type 2 diabetes*
2014-2015	Min A Jhun (Epidemiology) *Gene-by-environment interaction: epidemiologic approaches to understanding mechanisms of cardiovascular disease*
2013-2014	Neha Sheth (Epidemiology) *Investigation of the relationship of statin medication use, fasting blood glucose levels, and type 2 diabetes mellitus*
2012-2013	Erin (Bakshis) Ware (Epidemiology) *Genes, the environment, and depressive symptom scores in the Multi-Ethnic Study of Atherosclerosis*
2012-2013	Erin Payne (Epidemiology) *Genetic studies of salivary cortisol profiles and their influence on chronic disease risk factors*
2012	Alicia (Lazarus) Zagel (Epidemiology) *Unraveling the role of epigenetics in aging and chronic disease*
2012	Chun-Yi (Joyce) Wu (Epidemiology) *The genetics of blood pressure and body mass index: the tale of two major risk factors*

Masters Capstone or Integrated Learning Experience Advisor

2023-2024	Courtney Olson (Global Health Epidemiology) *Epigenetic age acceleration and polyepigenetic scores for glucose and insulin are associated with diabetes status in U.S. older adults*
2023-2024	Samantha Aprill (Epidemiology) *Association between DNA methylation at TOMM40-APOE-APOC1-APOC P1 and cognitive function among older adults in the United States*
2022-2023	Meike Stoldt (Epidemiology) *DNA methylation at CRP-associated CpG sties may mediate the pathways between educational attainment and cognition: Findings from the Health and Retirement Study*
2021-2022	Jenna Kiryakos (Hospital and Molecular Epidemiology) *Epigenetic age acceleration and blood lipid levels in the Health and Retirement Study*
2021-2022	Xinman Zhang (Epidemiology) *Epigenetic associations with blood pressure in European Americans and African Americans from the Health and Retirement Study*
2021-2022	Anna Pederson (Epidemiology) *Epigenetic age acceleration is associated with diabetes status in a cross-sectional study of older adults*
2020-2021	Jonathan Kim (Epidemiology) *CYP3A5 polymorphism not associated with increased risk of bleeding in patients with atrial fibrillation using rivaroxaban or apixaban*
2020-2021	Amir Carter (Epidemiology) *Sex-specific and generational effects of tobacco use on epigenetic age acceleration in the Michigan Longitudinal Study*
2019-2020	Lisha Lin (Epidemiology) *Association between epigenetic age acceleration and cardiovascular disease risk factors in African Americans: Calcium scores and adipose tissue*
2019-2020	Camile Molina (Epidemiology) *The association between DNA methylation and white matter hyperintensities in an older African American population*
2018-2019	Breana Eder (Epidemiology) *Association between genetic variation in the FTO gene, age at menopause, and sex steroid hormone use in a multi-ethnic sample of women*
2018-2019	Randell Seaton (Epidemiology) *The influence of neighborhood disadvantage on blood pressure-associated DNA methylation sites in African Americans*
2017-2018	Jeremy Raisky (Epidemiology) *Epigenetic age is associated with target organ damage in African Americans*
2017-2018	Yu Zhao (Epidemiology) *PNPLA3 methylation in circulating leukocytes is associated with hepatic steatosis in African Americans*
2016-2017	Jiaxuan Liu (Epidemiology)

DNA methylation in the APOE gene region is associated with cognitive function in African Americans

2016-2017 Timothy J. Hillman (Epidemiology)
Investigating interaction effects between genetic burden scores and educational attainment on memory performance and decline

2015-2016 Lisa Beacher (Epidemiology)
Applying ten-year cardiovascular risk scores to Clalit's patient population in Israel

Masters Thesis Committee Member

2023-2024 Soverno Chen (Nutrition)
Uncovering evolutionary signatures in GWAS-identified type 2 diabetes SNPs: Reviewing the latest type 2 diabetes loci and assessing natural selection

AWARDS

2012-2014 National Institutes of Health (NIH) Health Disparities Research Loan Repayment Program Award, National Institute of Minority Health and Health Disparities (NIMHD), *"Identifying interactions among social, psychosocial, and genetic factors that influence blood pressure in multi-ethnic epidemiological cohorts"*

2009- 2010 Horace Rackham Predoctoral Fellowship

2006-2008 Genome Sciences Training Program (Predoctoral Fellowship), National Human Genome Research Institute (NHGRI) Training Grant

2005 Horace Rackham Recruitment Fellowship

2004 Myron and Isabel Wegman Tuition Scholarship (declined for alternative funding)

PROFESSIONAL SERVICE

National

2026 Performance report reviewer (ad hoc)*, Final Performance Peer Review*, *Commonwealth Universal Research Enhancement program (CURE)*. Pennsylvania Department of Health.

2026 Grant reviewer (ad hoc)*, Mentored Career Development Awards: Epidemiology and Population Sciences Panel A, Special Emphasis Panel 2026/05 ZRG1 EPH-M (20) L,* Center for Scientific Review, National Institutes of Health (NIH)

2026 Grant reviewer (ad hoc)*, Topics in Aging, Neurological, Mental and Behavioral Health Special Emphasis Panel ZRG1 EPH-M (92),* Epidemiology and Population Health Branch (EPH), Center for Scientific Review, National Institutes of Health (NIH)

2024 Grant reviewer (ad hoc), *Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity (K99/R00) Special Emphasis Panel 2025/01 ZHL1 CSR-N (J1) 1*, National Heart, Lung and Blood Institute (NHLBI)

2023 Co-Chair, *Fellowship Genomics & Translational Biology,* American Heart Association (AHA)

2023	Grant reviewer (ad hoc)*, Fertility Status as a Marker for Overall Health Special Emphasis Panel ZRG1 EMS-J (55),* Endocrine and Metabolic Systems (EMS) Review Branch, Center for Scientific Review, National Institutes of Health (NIH)
2022	Grant Reviewer (ad hoc), *NINR Initial Review Group for Fellowship (F) and Career Award (K) NRCC 84*, National Institute of Nursing Research (NINR)
2022	Site Reviewer, Institute for Public Health Genetics, University of Washington
2022	Grant Reviewer (ad hoc), *Multi-Component Application (P01) Special Emphasis Panel ZAG1 ZIJ-D (M5)*, National Institute on Aging (NIA)
2021	Grant Reviewer (ad hoc), *Special Emphasis Panel: Understanding and Addressing the Impact of Structural Racism and Discrimination on Minority Health and Health Disparities (R01) ZMD1 KNL (J1),* National Institute on Minority Health and Health Disparities (NIMHD)
2021-2023, 2025	Grant Reviewer (ad hoc), *Loan Repayment Program*, National Institutes of Health (NIH)
2021, 2023	Grant Reviewer (ad hoc), *Ed and Ethel Moore Alzheimer's Disease Research Program*, Florida Department of Health (FL DOH)
2020	Abstract Reviewer, *Epigenetics and Gene Regulation*, American Society of Human Genetics (ASHG)
2020	Grant Reviewer (ad hoc), *Support for Conferences and Scientific Meetings (R13)*, National Institutes of Health (NIH)
2018-2019, 2021	Grant Reviewer (Member), *Fellowship Population – Observational Epidemiology (Populations),* American Heart Association (AHA)
2018	Grant Reviewer (Temporary Member), *Clinical and Integrative Cardiovascular Sciences (CICS)*, National Institutes of Health (NIH)
2017-2018	Grant Reviewer (ad hoc), *Social Sciences and Population Health Sciences Study Section (SSPS) B*, National Institutes of Health (NIH)
2015-2017	Grant Reviewer (Member), *Genomics and Translational Biology – Observational Epidemiology (Populations),* American Heart Association (AHA)
2016-2017	Abstract Reviewer, *Genomics Forum,* American Public Health Association (APHA)
2009-2011	Judge for the Preliminary Stage of the *Young Epidemiology Scholars (YES) Competition*, sponsored by the Robert Wood Johnson (RWJ) Foundation and the College Board
2008-2009	Secretary, *Student Caucus,* Society for Epidemiologic Research (SER)

International

2025	Grant reviewer (ad hoc), *Early-Career Award*, Wellcome Trust, United Kingdom
2024	Grant Reviewer (ad hoc), *Research Council* of KU Leuven, University of Leuven, Belgium

2022	Judge, *NEUROHACK: A Competitive International Competition to Promote Brain Health,* Deep Dementia Phenotyping (DEMON) Network, King's College London, United Kingdom (UK) and University of Southern California (USC), USA
2018	Grant Reviewer (ad hoc), *Medical Research Council* (MRC), United Kingdom (UK)

University, School, and Department

2026	Grant Reviewer, *MICHR K12 Award*, Michigan Institute for Clinical and Health Research (MICHR), University of Michigan
2025-	Faculty Advisor, *Public Health Genetics Journal Club*, University of Michigan School of Public Health
2025-	Faculty Advisor, *Public Health Brigades*, University of Michigan School of Public Health
2022-	Alternate Member, Institutional Review Board, Health Sciences and Behavioral Sciences (IRB-HSBS), University of Michigan
2019-2023	Faculty Advisor, *Sexual and Gender Diversity in Public Health (SGDPH)* student organization, University of Michigan School of Public Health
2012-2016, 2019-	Chair (2020-2022, 2023-present) and Member (2012-2016, 2019-2020), *Admissions and Recruitment Committee,* University of Michigan Department of Epidemiology
2018-2020	Member, *Diversity, Equity and Inclusion (DEI) Committee*, University of Michigan Department of Epidemiology
2018-2021	Grant Reviewer, *Precision Health Investigators Award*, University of Michigan
2016-2018	Member, *Research Committee*, University of Michigan Department of Epidemiology
2016-2017	Chair, *Planning Committee of the 20th Anniversary Seminar Series for the Certificate Program in Public Health Genetics*, University of Michigan School of Public Health
2008	Epidemiology Representative, *Symposium Planning Committee for the 2008 Doctoral Student Health Research Symposium: Multi-Disciplinary Approaches toward Improving Health*, University of Michigan School of Public Health
2006-2009	Doctoral Student Representative, *Curriculum Committee,* University of Michigan Department of Epidemiology
2006-2008	Executive Committee Member (2006-2008) and Co-Chair (2007-2008), *School of Public Health Doctoral Students*, University of Michigan School of Public Health

Community

2007-2010	Research/Science Advisor, *Engaging Abilities*, Non-profit Organization, Ann Arbor, Michigan
2007-2008	Member, *Stat-Com: Statistics in the Community*, University of Michigan School of Public Health

PROFESSIONAL AFFILIATIONS

American Heart Association (*Council on Genomic and Precision Medicine; Council on Epidemiology*)
American Society of Human Genetics
International Genetic Epidemiology Society
Society for Epidemiologic Research
American Public Health Association (*Epidemiology*; *Aging and Public Health*; *Genomics Forum*)
Population Association of America
Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment

EDITORIAL SERVICE

2026	Guest Editor, *BMC Geriatrics*, "Epigenetic Aging"
2019-	Associate Editor, Genomic Epidemiology Section, *BMC Medical Genomics*
2016-2017	Guest Editor, *International Journal of Environmental Research and Public Health* special issue, "Gene-Environment Interactions and Disease"

AD-HOC SCIENTIFIC JOURNAL REVIEW

Age and Ageing; Ageing Research Reviews; Alzheimer's and Dementia, American Journal of Alzheimer's Disease and Other Dementias; American Journal of Preventive Medicine; Annals of Human Genetics; Biological Psychiatry; BMC Genetics; BMC Genomics; BMC Medical Genetics; BMC Medical Genomics; Brain, Behavior, and Immunity; Brain Disorders and Therapy; Cardiovascular Diabetology; Circulation: Cardiovascular Genetics; Cities & Health; Clinical Epigenetics; Epigenomics; European Journal of Neuroscience; Frontiers in Aging Neuroscience; Frontiers in Genetics; Human Genetics and Genomics Advances, International Journal of Environmental Research and Public Health; International Journal of Molecular Sciences; iScience; Journal of Mental Health and Clinical Psychology; Journal of the American College of Cardiology (JACC); Journal of the American Medical Association (JAMA): Cardiology, Journal of Urban Health; Journals of Gerontology: Medical Sciences; The Lancet; Neurology; Neuroepidemiology; The Pharmacogenomics Journal; PLoS One; Rubriq (peer review service); Science Advances, Scientific Reports (NPG); Translational Epigenetics (book series)

INVITED TALKS

External to University of Michigan

July 12, 2026	"Epigenetic signatures of blood-based neurodegenerative biomarkers," Annual LASI-DAD Investigator Meeting, London, England (Virtual)
May 27, 2026	"Epigenetic associations with blood-based neurodegenerative biomarkers in older adults from India," Alzheimer's Disease Sequencing Program Annual Meeting, Rockville, Maryland
Dec. 3, 2025	"Whole genome sequence analysis of general cognitive function in the Trans-Omics for Precision Medicine (TOPMed) Program," Bi-annual Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE), Durham, North Carolina (Virtual)
July 29, 2025	"Gene-centric analysis using functional annotation identifies genetic associations with blood-based biomarkers of Alzheimer's disease in older adults from India," Alzheimer's Association International Conference, Toronto, Canada
July 29, 2025	"Alzheimer's disease genomics in the Longitudinal Aging Study in India –

	Harmonized Diagnostic Assessment of Dementia (LASI-DAD): Current progress," and "Epigenome-wide association studies in LASI-DAD," Annual LASI-DAD Investigator Meeting, Toronto, Canada
Oct. 9, 2024	"Social and psychosocial influences on the epigenome and their associations with age-related diseases," Public Health Sciences Department Seminar Series, University of lancet, Chicago, IL
Sep. 9, 2024	"Update on Alzheimer's disease genomics in the Longitudinal Aging Study in India – Harmonized Diagnostic Assessment of Dementia (LASI-DAD)," Annual LASI-DAD Investigator Meeting, Rockville, MD
July 27, 2024	"Harmonized Diagnostic Assessment of Dementia for the Longitudinal Aging Study in India (LASI-DAD): Current progress and future plans," Alzheimer's Disease Genetics Consortium Annual Meeting, Philadelphia, PA
Mar. 27, 2024	"Genomics in LASI-DAD: Whole genome sequence analysis," Alzheimer's Disease Sequencing Program (ADSP) Program Review Meeting, Bethesda, MD
Oct. 8, 2023	"Genetics of cognition and dementia in a South Asian Population: Experience and challenges from LASI-DAD," Neuroepiomics Course 2023, University of Texas, Glenn Biggs Institute for Alzheimer's and Neurodegenerative Diseases, San Antonio, TX
July 14, 2023	"Sociodemographic variation in associations between *APOE* e4 and cognitive measures in the Longitudinal Study of Aging in India – Diagnostic Assessment of Dementia (LASI-DAD)," Annual LASI-DAD Investigator Meeting, Amsterdam, Netherlands
June 8, 2023	"Epigenetic biomarkers of childhood and later life socioeconomic status are associated with age-related chronic diseases and mortality in older adults," The Advances in Social Genomics Conference Series (TAGC), University of Wisconsin-Madison, WI
May 17, 2023	"Sex-specific and generational effects of alcohol and tobacco use on epigenetic age acceleration in the Michigan Longitudinal Study," Drug and Alcohol Dependence Reports (DADR) Editor's Picks Webinar, The College on Problems of Drug Dependence (Virtual)
April 6, 2023 & May 18, 2023	"MY PART: Michigan and You – Partnering to Advance Research Together" Arab American Community Center for Economic and Social Services (ACCESS), Dearborn, MI
Feb. 15, 2023	"Epigenomic biomarkers of social exposures are associated with cardiovascular risk factors and mortality," Social Genomics Research Group, University of Wisconsin-Madison, WI
Dec. 15, 2022	"Genome-wide association studies, gene-by-social factor interactions, and multi-omic analysis of cognitive function and dementia in older adults," Family and Population Health Lab, Michigan State University (Virtual)
Nov. 8, 2022	"A social epigenomic approach to cardiometabolic disparities," Center for Demography and Ecology, University of Wisconsin-Madison (Virtual)
Oct. 31, 2022	"Genomics in the Longitudinal Study of Aging in India – Diagnostic Assessment of Dementia (LASI-DAD): Whole genome sequencing," Launch of LASI-DAD Wave 2, All India Institute of Medical Sciences (AIIMS), New Delhi, India
Oct. 11, 2022	"Whole Genome Sequencing in the Longitudinal Study of Aging in India – Diagnostic

Assessment of Dementia (LASI-DAD)," Alzheimer's Disease Sequencing Program (ADSP) (Virtual)

July 30, 2022 "Longitudinal Study of Aging in India (LASI) – Diagnostic Assessment of Dementia: Whole Genome Sequencing," Annual LASI-DAD Investigator Meeting, San Diego, CA

April 5, 2022 *Keynote Address*, "The role of epigenetic modifications in cardiometabolic aging of ancestrally and socially diverse populations," Mini-symposium on Cardiometabolic Aging and Cellular Senescence, Experimental Biology (EB) Conference, Philadelphia, PA

Jan. 31, 2022 "A social epigenomic approach to health disparities," Epidemiology Department Seminar Series, University of Alabama at Birmingham (Virtual)

Oct. 12, 2021 Panelist, "Complex disease: From variants to function with multiomics," MORE Symposium, a Multiomics Research Event. Illumina, Inc. (Virtual)

July 7, 2020 "Population stratification and admixture," Journal Club for Social Science Genetics, University of Southern California, Los Angeles, CA (Virtual)

July 23, 2020 "Longitudinal Study of Aging in India (LASI) – Diagnostic Assessment of Dementia: Update on Genomics," Annual LASI Investigator Meeting, Amsterdam, Netherlands (Virtual)

Oct. 13, 2019 "The association between common risk factors for age-related disease and DNA methylation clocks in an African American population," International Genetic Epidemiology Society (IGES), Houston, TX

June 7, 2019 "Social epigenomics: A new frontier for investigating cardiovascular and neurocognitive health disparities," 6th Heidelberg Forum for Young Life Scientists, Heidelberg, Germany

May 27, 2019 "Intrinsic and extrinsic epigenetic age acceleration is associated with hypertensive target organ damage in older African Americans," International Summit on Aging & Gerontology, Rome, Italy

April 10, 2019 "Investigating health disparities in cardiovascular risk factors using social epigenomic approaches," Department of Public Health Sciences Seminar Series, University of Chicago, IL

Jan. 25, 2019 "A social epigenomic approach to cardiovascular health disparities," Department of Epidemiology and Biostatistics Seminar Series, Michigan State University, Lansing, MI

Oct. 25, 2018 "Interaction between genetic and social factors in shaping disease risk," Kidney Week, American Society of Nephrology (ASN), San Diego, CA

Feb. 15, 2018 "Genotyping in the Longitudinal Aging Study in India – Diagnostic Assessment of Dementia (LASI-DAD) Study: Successes, challenges, and future directions," 3rd Annual LASI-DAD Meeting, All India Institute of Medical Sciences (AIIMS), New Delhi, India

Oct. 19, 2017 "Neighborhood characteristics influence DNA methylation of genes involved in stress response and inflammation: The Multi-Ethnic Study of Atherosclerosis," Integrating Genetics and Social Sciences (IGSS) Conference, Boulder, CO

June 22, 2017 "Genetic burden scores and early life socioeconomic status jointly influence memory

performance and decline in older Americans," Society for Epidemiologic Research (SER) Annual Meeting, Seattle, WA

April 26, 2017 "Gene-level aggregate methods to evaluate genetic association and gene-by-environment interactions in cross-sectional and longitudinal data," National Institute on Aging Biomarker Network Meeting, Chicago, IL

Oct. 21, 2016 "Gene-based association and gene-by-education interaction on episodic memory in the Health and Retirement Study," Integrating Genetics and Social Sciences Conference (IGSS) , Boulder, CO

Feb. 28, 2013 "Age, epigenomic variation, and chronic disease in African Americans," 3rd Annual Center for Integrative Approaches to Health Disparities (CIAHD)/Jackson Heart Study (JHS) Junior Investigator Symposium, Jackson, MS

Dec. 3, 2007 "The genetic architecture of fasting plasma triglyceride response to Fenofibrate treatment," PROGENI/NHLBI Gene-Environment Interaction Studies Annual Meetings, Baltimore, MD

Internal to University of Michigan

Summer 2017 – Summer 2024, Summer 2026 Genomics for Social Scientists, Institute for Social Research, University of Michigan, Ann Arbor, MI
- "Introduction to biology and genetics: Understanding genomic data in populations"
- "Population stratification and admixture: Avoiding the pitfalls and utilizing the strength of ancestry and admixture,"
- "Quality control for genetic data,"
- "Imputation: Basic explanation of genotype imputation, inputs and outputs, using online reference panels,"
- "GWAS meta-analysis, SNP-based heritability, and LD score regression,"
- "Structural and rare variants"

Winter 2021, Summer 2021 – Summer 2023, Winter 2025, Summer 2025, Winter 2026 Genomics for Social Scientists - Epigenetics, Institute for Social Research, University of Michigan, Ann Arbor, MI
- "Fundamental epigenetic analysis"
- "Data reduction in epigenetics"
- "Genetics and methylation"
- "Epigenetics as a mediator of environmental effects"

Nov. 19, 2025 "Social influences on the epigenome, and implications for cardiovascular aging," Public Health Brigades, School of Public Health, University of Michigan, Ann Arbor, MI (Virtual)

Sep. 27, 2024 "Studying the genomics of cognitive function in India: Opportunities, challenges, and insights," Center for Statistical Genetics and the Genomic Sciences Training Program T32 Seminar, Department of Biostatistics, School of Public Health, University of Michigan, Ann Arbor, MI

July 19, 2024 "Precision health in diverse populations," Big Data Summer Institute, School of Public Health, University of Michigan, Ann Arbor, MI

Oct. 13, 2023 "Enhancing participant diversity in the Michigan Genomics Initiative," Research Community Engagement Event, University of Michigan Precision Health, Ann Arbor, MI

July 6, 2023 "Precision health in diverse populations," Big Data Summer Institute, School of Public Health, University of Michigan, Ann Arbor, MI

March 28, 2023 "Genetic information in research studies: Data use and security considerations," Michigan Center for Contextual Factors in Alzheimer's Disease (MCCFAD), Institute for Social Research, University of Michigan, Ann Arbor, MI (Virtual)

Feb. 24, 2023 Panelist, "Women's reproductive health and cardiovascular disease," 2nd Annual Scientific Symposium, Michigan Biological Research Initiative on Sex Differences in Cardiovascular Disease (M-BRISC), Frankel Cardiovascular Center, University of Michigan, Ann Arbor, MI

Sept. 30, 2022 "Ongoing recruitment strategies for the Michigan Genomics Initiative," MGI 10th Anniversary Symposium, University of Michigan Precision Health, School of Public Health, University of Michigan, Ann Arbor, MI

July 21, 2022 "Precision health in diverse populations," Big Data Summer Institute, School of Public Health, University of Michigan, Ann Arbor, MI

March 17, 2022 "Precision Health Workshop," Department of Epidemiology Seminar Series, School of Public Health, University of Michigan, Ann Arbor, MI (Virtual)

Oct. 6, 2021 "Social and genetic research using Michigan Medicine's electronic health records (EHRs) and the Precision Health Analytics Platform," Center for Social Epidemiology and Public Health (CSEPH), School of Public Health, University of Michigan, Ann Arbor, MI (Virtual)

Sep. 24, 2021 "Social and genetic research using electronic health records (EHRs): The Michigan Genomics Initiative (MGI) and the Precision Health Analytics Platform," Population, Neurodevelopment and Genetics (PNG), Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI (Virtual)

Feb. 17, 2020 "A social epigenomic approach to cardiovascular health disparities," College of Pharmacy, University of Michigan, Ann Arbor, MI

March 15, 2019 "Social epigenomics: A new frontier for investigating health disparities in chronic disease," Faculty Research Showcase for Admitted Students, University of Michigan School of Public Health, Ann Arbor, MI

Nov. 20, 2018 "Social epigenomics: A new frontier for investigating health disparities in chronic disease," Epigenetics Seminar Series, University of Michigan Medical School, Ann Arbor, MI

July 19, 2018 "Social epigenomics," Big Data Summer Institute, School of Public Health, University of Michigan, Ann Arbor, MI

March 9, 2018 "Social epigenomics: A new frontier for investigating health disparities in chronic disease," Faculty Research Showcase for Admitted Students, University of Michigan School of Public Health, Ann Arbor, MI

March 23, 2017 Moderator, "Eliseo Perez-Stable (Director, NIMHD) and CIAHD Senior Investigators," 7th Annual Center for Integrative Approaches to Health Disparities (CIAHD)/Jackson Heart Study (JHS) Junior Investigator Symposium, Ann Arbor, MI

2016-2017 Moderator of 3 seminars in the "Journeys in Genetics," Seminar Series for the 20th Anniversary of the Certificate in Public Health Genetics program and the 75th Anniversary of the School of Public Health, University of Michigan, Ann Arbor, MI

Nov. 18, 2016	Panelist, "Chronic Disease, Genetics, and Lifestage," Epidemiology Symposium for the 75th Anniversary of the School of Public Health, School of Public Health, University of Michigan, Ann Arbor, MI
April 26, 2016	"Omic epidemiology with a social twist: Applications to pathological aging of the brain," Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI
March 11, 2016	Moderator, "Alumni Panel," Admitted Student Day, Department of Epidemiology, University of Michigan, Ann Arbor, MI
Feb. 15, 2016	"Omic epidemiology with a social twist: Applications to pathological aging of the brain," Department of Epidemiology, University of Michigan, Ann Arbor, MI
Feb. 12, 2016	"Omic epidemiology with a social twist: Applications to pathological aging of the brain," Population, Neurodevelopment and Genetics (PNG), Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI
April 30, 2012	"Investigating the genetic architecture of hypertension-related structural brain injury," Department of Epidemiology, University of Michigan, Ann Arbor, MI

PUBLICATIONS

*(underlined author is a student/mentee, *starred authors contributed equally unless otherwise noted)*

Full publication list:

https://www.ncbi.nlm.nih.gov/myncbi/jennifer.smith.3/bibliography/public/

Peer-Reviewed Publications

1. Barnao K, Hubbard AK, Irenaeus CCC, Zhou W, Jakubek YA, (…25+ additional co-authors including **Smith JA**…), Machiela MJ. Co-occurring clonal hematopoiesis exhibits strong selection and high leukemia risk. *Nature Communications* (**E-pub ahead of print**). PMID: 42168198.
2. Wang N, DiCorpo DA, Zhang Y, Kleinbrink E, (…50+ additional authors including **Smith JA**…), Manning AK, NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium. Colocalization of eQTLs with whole-genome sequences for Type 2 Diabetes and glycemic traits in ancestrally diverse populations from NHLBI Trans-Omics in Precision Medicine (TOPMed) Program. *Diabetes* (**E-pub ahead of print**). PMID: 42274313.
3. Li Z, Li X, Lin BM, (25+ additional authors including **Smith JA**), Kramer H. Multi-ethnic whole genome sequencing analysis reveals rare coding and noncoding variants associated with eGFR and UACR. *Genome Biology* (**Accepted**).
4. Selvaraj MS, Li X, Li Z, Van Buren E, Haidermota S, (…50+ additional authors including **Smith JA**…), Peloso GM, Nataranjan P. The genetic architecture of low-density lipoprotein cholesterol across 1.23 billion variants. *Genome Biology* (**Accepted**).
5. Huerta-Chagoya A, Kim J, (…200+ additional authors including **Smith JA**…), Ng MCY, D-PRISM Consortium. (**2026**) Multi-ancestry polygenic risk scores for the prediction of type 2 diabetes and complications in diverse ancestries. *Lancet Diabetes & Endocrinology* S2213-8587(25)00405-X (**E-pub ahead of print**). PMID: 42061389.

6. Kim J, Arpawong T, Thyagarajan B, **Smith JA**, Vivek S, Ratliff, Dey S, Lee J, Crimmins EM. (**2026**) Epigenetic aging and blood based neurodegeneration markers in LASI-DAD. *The Journal of Prevention of Alzheimer's Disease* 13(7):100595. PMID: 42134227; PMCID: PMC13196560.

7. Abu-Amara A, Zhao W, Li Z, Leung LY, Schellenberg GD, Wang LS, Dey AB, Dey S, Zhou X, Gross AL, Lee J, Kardia SLR, **Smith JA**. (**2026**) Indian-enriched variants are associated with cognitive function. *Alzheimer's Disease and Dementia* 22(2):e71115. PMID: 41612616; PMCID: PMC12855625.

8. Van Buren Eric, Zhang Y, Li X, (…100+ additional co-authors including **Smith JA**…), Lin X. (**2026**) cellSTAAR: Incorporating single-cell-sequencing-based functional data to boost power in rare variant association testing of noncoding regions. *Nature Methods* 23(2):338-349. PMID: 41476111.

9. Huang YJ, Kurniansyah N, Goodman MO, (…25+ additional authors including **Smith JA**…), Sofer T. Admixture-informed polygenic risk reporting using the ePRS framework. *Nature Communications* (**E-pub ahead of print**). PMID: 42062286.

10. Li Z, Zhao W,* Zhou X, Leung YY, Schellenberg GD, Wang L-S, Dey S, Lee J, **Smith JA**,* Dey AB, Kardia SLR. (**2026**) A reference panel for linkage disequilibrium and genotype imputation using whole-genome sequencing data from 2,680 participants across India. *Human Genetics and Genomics Advances* 7(2):100579. PMID: 41656741; PMCID: PMC12945573. **Corresponding authors*

11. O'Shea KM, Brooks L, Polmear-Swendris N, Slack I, **Smith JA**, Gordon A, Aquino DM, Gern JE, Hershey GKK, Johnson CC, Wilkowski J, Hines J, Lukacs NW, Schuler CF 4th, Baker JR Jr. (**2026**) Michigan Sibling Immunity Birth Study (M-SIBS): Study design protocol for a food allergy birth cohort. *Journal of Allergy and Clinical Immunology: Global* 5(4):100721. PMID: 42222592; PMCID: PMC13217597.

12. Noordam R, Wang W, Nagarajan P, (...100+ additional authors including **Smith JA**…), van Heemst D. (**2026**) Genome-wide gene-sleep interaction study identifies novel loci in 732,564 participants. *Atherosclerosis* 412:120603. PMID: 41325697; PMCID: PMC12757440.

13. Robinette JW, **Smith JA**. (**2025**) Accelerated molecular aging in socially disadvantaged neighborhood: A racial/ethnic comparison. *Health and Place* 93:103446. PMID: 40090143; PMCID: PMC12713560.

14. Srivatsa S, Rice N, Pike J, **Smith JA**, Ding J, Liu Y, Budoff M, Bey G. (**2025**) Epigenetic aging clocks and incident cardiovascular outcomes: Results from the Multi-Ethnic Study of Atherosclerosis. *Journal of the American Heart Association* 14(24):e044946. PMID: 41368835, PMCID: PMC12826894.

15. Lai M, Kim K, Zheng Y, (…32 additional co-authors), **Smith JA**, Arking DE, Liu C, and NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium. (**2025**) Epigenome-wide association study of nuclear DNA methylation in relation to mitochondrial heteroplasmy. *Nature Communications* 16(1):10962. PMID: 41330919; PMCID: PMC12689632.

16. Kerdoncuff E, Skov L, Patterson N, Banerjee J, (…25+ additional authors including **Smith, JA**…), Moorjani P. (**2025**) 50,000 years of evolutionary history of India: Impact on health and disease variation. *Cell* 188(13):3389-3404.e6. PMID: 40578318; PMCID: PMC12376946.

17. Sarnowski C, Zhang Y, Ammous F, (…50+ additional authors including **Smith JA**…), Morrison AC, TOPMed Diabetes working group, TOPMed Neurocognitive working group. (**2025**) Association of genetic scores related to insulin resistance with neurological outcomes in ancestrally

diverse cohorts from the Trans-Omics for Precision Medicine (TOPMed) program. *Communications Biology* 8(1):1352. PMID: 40993182; PMCID: PMC12460837.

18. Weinstock JS, Chaudhry SA, Ioannau M, (…25+ additional authors including **Smith JA**…), Arvanitis M. (**2025**) Genetic determinants and genomic consequences of non-leukemogenic somatic point mutations. *Nature Communications* 16(1):9194. PMID: 41102182; PMCID: PMC12532822.
19. Smit RAJ, Wade KH, Hui, Q, (…200+ additional authors including **Smith JA**…), Loos RJF. (**2025**) Polygenic prediction of body mass index and obesity through the life course and across ancestries. *Nature Medicine* 31(9):3151-3168. PMID: 40691366; PMCID: PMC12443623.
20. Alqalyoobi S, **Smith JA**, Maddali MV, Pugashetti JV, Newton CA, Kim JS, Linderholm AL, Chen CH, Ma SF, Bose S, Murray S, Adegunsoye A, Strek ME, Garcia CK, Wolters PJ, Martinez FJ, Noth I, Oldham JM. (**2025**) Proteomic biomarkers of survival in non-IPF interstitial lung disease. *American Journal of Respiratory and Critical Care Medicine* 211(8):1452-1462. PMID: 40208180; PMCID: PMC12369864.
21. Krishnan M, Anwar M, Justice AE, (…50+ additional authors including **Smith JA**…), Graff M. (**2025**) Genome-wide association study provides new insight into the genetic architecture of severe obesity. *PLoS Genetics* 21(9):e1011842. PMID: 40939575; PMCID: PMC12443252.
22. Hutten CG, Boehm FJ, **Smith JA**, Spitzer BW, Wassertheil-Smoller S, Isasi CR, Cai J, Unkart JT, Sun J, Persky V, Daviglus ML, Sofer T, Argos M. (**2025**) Differential performance of polygenic risk scores for coronary heart disease in Hispanic/Latino subgroups: Findings of the Hispanic Community Health Study/Study of Latinos. *Human Genetics and Genomics Advances* 6(4):100486. PMID: 40734275; PMCID: PMC12391791.
23. Abu-Amara H, Zhao Z, Li Z, Leung YY, Schellenberg GD, Wang LS, Moorjani P, Dey AB, Dey S, Zhou X, Gross AL, Lee J, Kardia SLR, **Smith JA**. (**2025**) Region-based analysis with functional annotation identifies genes associated with cognitive function in South Asians from India. *Genes* 16(6):640. PMID: 40565532; PMCID: PMC12192162.
24. Needham BL, Gladish N, Shen H, Liu Y, **Smith JA**, Mukherjee B, Zhou X, Rehkopf DH. (**2025**) Racial and ethnic differences in epigenetic aging: The National Health and Nutrition Examination Survey, 1999-2002. *PLoS One* 20(7):e0327010. PMID: 40668752; PMCID: PMC12266396.
25. Modell SM, **Smith JA**, Kardia SLR. (**2025**) Progress and criteria in public health applications of gene therapy and gene editing: Beyond the white paper. *Public Health Genomics* 28(1):241-251. PMID: 40532693.
26. Lundin J, Peters U, Hu Y, Ammous F, (…25+ additional authors including **Smith JA**…), Kooperberg C. (**2025**) Epigenetic mechanisms underlying variation of IL-6, a well-established inflammation biomarker and risk factor for cardiovascular disease. *Atherosclerosis* 120219. PMID: 40480020; PMCID: PMC12276907.
27. Bentley AR, Brown MR, Musani SK (….100+ additional authors including **Smith JA**…). Fox ER. (**2025**) Multi-ancestry genome-wide association analyses incorporating SNP-by-psychosocial interactions identify novel loci for serum lipids. *Translational Psychiatry* 15(1):207. PMID: 40537477; PMCID: PMC12179276.
28. Hatzikotoulas K, Southam L, Stefansdottir L, Boer CG, McDonald ML, (…100+ additional authors including **Smith JA**…), Zeggini. (**2025**) Translational genomics of osteoarthritis in 1,962,069 individuals. *Nature* 641(8065):1217-1224. PMID: 40205036; PMCID: PMC12119359.
29. Nagarajan P, Winkler TW, Bentley AR, (…100+ additional authors including **Smith JA**…), Wang H. (**2025**) A large-scale genome-wide study of gene-sleep duration interactions for blood pressure in

811,405 individuals from diverse populations. *Molecular Psychiatry* 30(8):3660-3672. PMID: 40181193; PMCID: PMC12683674.

30. Zhang X, Brody JA, Graff M, (…100+ additional authors including **Smith JA**…), Justice AE. (**2025**) Whole genome sequencing analysis of body mass index identifies novel African ancestry-specific risk allele. *Nature Communications* 16(1):3470. PMID: 40216759; PMCID: PMC11992084.
31. Schmitz LL, Opsasnick LA, Ratliff SM, Faul JD, Zhao W, Hughes TM, Ding J, Liu Y, **Smith JA**. (**2025**) Epigenetic biomarkers of socioeconomic status are associated with age-related chronic diseases and mortality in older adults. *PNAS Nexus* 4(4):pgaf121. PMID: 40309465; PMCID: PMC12041747.
32. Opsasnick LO, Zhao W, Schmitz LL, Ratliff SM, Faul JD, Zhou X, Needham BL, **Smith JA**. (**2025**) Depressive symptoms partially mediate the relationship between psychosocial factors and epigenetic age acceleration in a multi-racial/ethnic sample of older adults. *Brain, Behavior, & Immunity - Health* 45:100994). PMID: 40291341; PMCID: PMC12022486.
33. Chaar DL, Li Z, Shang L, Ratliff SM, Mosley TH, Kardia SLR, Zhao W, **Smith JA**. (**2025**) Multi-ancestry transcriptome-wide association studies of cognitive function, white matter hyperintensity, and Alzheimer's disease. *BMC Medical Genomics* 26(6):2443. PMID: 40141087; PMCID: PMC11942532.
34. Hu Y, Haessler J, Lundin JI, Darst BF, (…25+ additional authors including **Smith JA**…), Peters U. (**2025**) Methylome-wide association analyses of lipids and modifying effects of behavioral factors in diverse race and ethnicity participants. *Clinical Epigenetics* 17(1):54 PMID: 40176173; PMCID: PMC11967142.
35. Zhao W, Lin L, Kelly KM, Opsasnick LA, Needham BL, Liu Y, Sen S, **Smith JA**. (**2025**) Epigenome-wide association study of perceived discrimination in the Multi-Ethnic Study of Atherosclerosis (MESA). *Epigenetics* (1):2445447. PMID: 39825881; PMCID: PMC12118157.
36. Lin L, Zhao W, Li Z, Ratliff SM, Wang YZ, Mitchell C, Faul JD, Kardia SLR, Birditt KS, **Smith JA**. (**2025**) Poly-epigenetic scores for cardiometabolic risk factors interact with demographic factors and health behaviors in older US adults. *Epigenetics* 20(1):2469205. PMID: 39976511; PMCID: PMC11844928.
37. Chaar DL, Tu L, Moore K, Du J, Opsasnick LA, Ratliff SM, Mosley TG, Kardia SLR, Zhao W, Zhou X, Diez Roux AV, Faruque FS, Butler KR, **Smith JA**. (**2025**) Neighborhood environment associations with cognitive function and structural brain measures in older African Americans. *BMC Medicine* 23(1):15. PMID: 39800688; PMCID: PMC11727707.
38. Iyer KR, Clarke SL, Guarishi-Sousa R, (…50+ additional authors including **Smith JA**…), Assimes TL. (**2025**) Unveiling the genetic landscape of coronary artery disease through common and rare structural variants. *Journal of the American Heart Association* 14(4):e036499. PMID: 39950338; PMCID: PMC12074758.
39. Li X, Chen H, Selvaraj MS, (…50+ additional authors including **Smith JA**…), Lin X. (**2025**) A statistical framework for multi-trait rare variant analysis in large-scale whole-genome sequencing studies. *Nature Computational Science* 5(2):125-143 PMID: 39920506; PMCID: PMC11981678.
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Invited Reviews, Editorials, and Book Chapters

1. **Smith JA**, Ware EB, Middha P, Beacher L, Kardia SLR. (**2015**) Current applications of genetic risk scores to cardiovascular outcomes and subclinical phenotypes. *Current Epidemiology Reports* 2(3):180-90. PMID: 26269782; PMCID: PMC4527979.

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Submitted Manuscripts

1. Ware EB, Schmitz L, Faul J, Gard A, Mitchell C, **Smith JA**, Zhao W, Weir D, Kardia SLR. Heterogeneous effects of polygenic scores for common human traits due to the method of construction. *Preprint: https://doi.org/10.1101/106062.s*

2. Bakulski KM, Vadari HS, Faul JD, Heeringa SG, Kardia SLR, Langa KM, **Smith JA**, Manly JJ, Mitchell CM, Benke KS, Ware EB. A non-APOE polygenic score for Alzheimer's disease and APOE-ε4 have independent associations with dementia in the Health and Retirement Study. *Preprint: https://www.medrxiv.org/content/10.1101/2020.02.10.20021667v2*
3. Bares C, Maddux S, Lin L, Glover Reed B, Bowden M, Zucker RA, **Smith JA**, Zhao W, Becker JB. Associations between individual and family environmental factors and DNA methylation in the FKBP5 gene in a subset of the Michigan Longitudinal Study.
4. Lin L, Meier HCS, Smith T, Goode J, Faul JD, Notterman DA, **Smith JA,*** Mitchell C*. Time-sensitive associations between early life poverty and the epigenome in children and adolescents from the Future of Families and Child Wellbeing Study,
5. Abu-Amara A, Zhao W, Li Z, Leung LY, Schellenberg GD, Wang LS, Crimmins EM, Thyagarajan B, Anwar M, Hu P, Dey S, Dey AB, Zhou X, Thangaraj K, Lee J, Kardia SLR, **Smith JA**. Gene-centric analysis of neurodegenerative blood-based biomarkers in older adults from India.
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22. Zhang M, Brown MR, Bentley AR, Winkler TW, (…150+ additional authors including **Smith JA**…), Morrison AC, Chen H. Large-scale gene-smoking interactions and fine mapping study identifies multiple novel blood pressure loci in over 1 million individuals.
23. Feitosa MF, Schwander K, Miller C, Kraja AT, Bentley AR, Brown MR, (…100+ additional authors including **Smith JA**…), Winkler TW. Discovery of gene-alcohol consumption interaction loci influencing blood pressure levels in over 1.1 million individuals from multiple populations.

Abstracts for Professional Meetings (Oral/Poster Presenter and/or Senior Author)

1. **Smith JA**, Wang R, Ratliff S, Abu-Amara H, Zhao W, Crimmins E, Thyagarajan B, Anwar M, Hu P, Dey AB, Dey S, Lee J, Kardia S. Epigenetic signatures of blood-based neurodegenerative biomarkers in older adults from India. Alzheimer's Association International Conference (AAIC), Virtual, July 12-15, 2026 (*accepted*).
2. **Smith JA**, Wang R, Ratliff S, Abu-Amara H, Zhao W, Crimmins E, Thyagarajan B, Anwar M, Hu P, Dey AB, Dey S, Lee J, Kardia S. Epigenetic signatures of blood-based neurodegenerative biomarkers in older adults from India. Alzheimer's Disease Sequencing Program Annual Meeting, Rockville, MD, May 28-29, 2026.
3. Zhao W, Abu-Amara H, **Smith JA**,* Li Z, Leung YY, Schellenberg G, Wang Li-San, Crimmins E, Thyagarajan B, Anwar M, Hu P, Dey S, Dey AB, Zhou X, Thangaraj K, Lee J, Kardia SLR. Genetic variants in MAPT are associated with blood levels of Tau proteins and cognitive function in South Asians from the Longitudinal Aging Study in India-Diagnostic Assessment of Dementia (LASI-DAD). Alzheimer's Disease Sequencing Program Annual Meeting, Rockville, MD, May 28-29, 2026. **presenting author*
4. Robinette JW, **Smith JA**. Accelerated molecular aging in neighborhood poverty: A racial/ethnic comparison. The Gerontological Society of America (GSA) Annual Meeting, San Antonio, TX, October 19-22, 2025.

5. **Smith JA**, Abu-Amara H, Zhao W, Li Z, Leung YY, Schellenberg GC, Wang LS, Moorjani P, Crimmins EM, Thyagarajan B, Anwar M, Hu P, Dey S, Dey AB, Zhou X, Thangaraj K, Lee J, Kardia SLR. Gene-centric analysis using functional annotation identifies genetic associations with blood-based biomarkers of Alzheimer's disease in older adults from India. Alzheimer's Association International Conference (AAIC), Toronto, Ontario, Canada, July 27-31, 2025.
6. Opsasnick LA, Zhao W, Ratliff SM, Faul JD, Schmitz LL, Zhou X, Du J, Needham BL, **Smith JA**. Epigenome-wide mediation analysis of the relationship between psychological stress and cardiometabolic risk factors in the Health and Retirement Study (HRS). International Genetic Epidemiology Society (IGES) Conference, Denver, CO, November 3-4, 2024.
7. Abu-Amara H, Zhao W, Li Z, Leung YY, Schellenberg GD, Wang LS, Moorjani P, Dey AB, Dey S, Zhou X, Gross AL, Lee J, Kardia SLR, **Smith JA**. Indian-enriched genetic variants are associated with cognitive function. Alzheimer's Association International Conference (AAIC), Philadelphia, PA, July 28-August 1, 2024.
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10. Lin L, Meier HCS, Faul J, **Smith JA***, Mitchell C*. The time-sensitive associations between poverty and genome-wide epigenetic patterns: Findings from the Future of Families and Child Wellbeing Study (FFCWS). Population Association of America, Columbus, OH, April 17-20, 2024.
11. Schmitz L, Opsasnick LA, Ratliff SM, Faul JD, Zhao W, Hughes TM, Ding J, Liu Y, **Smith JA**. Epigenetic biomarkers of socioeconomic status are associated with age-related chronic diseases and mortality in older adults. Population Association of America, Columbus, OH, April 17-20, 2024.
12. Abu-Amara H, Zhao W, Li Z, Leung YY, Schellenberg GD, Wang LS, Moorjani P, Dey AB, Dey S, Zhou X, Gross AL, Lee J, Kardia SLR, **Smith JA**. Indian-enriched genetic variants are associated with cognitive function. Alzheimer's Disease Sequencing Program (ADSP) Annual Review Meeting, Bethesda, MD, March 27-28, 2024.
13. Lin L, Zhao W, Birditt K, **Smith JA**. Methylation risk scores are associated with cardiovascular risk factors in older U.S. adults. Gerontological Society of America, Tampa, FL, November 8-12, 2023.
14. Abu-Amara H, Zhao W, Li Z, Dey AB, Zhou X, Lee J, Kardia SLR, **Smith JA**. Gene-based analysis with functional annotation in 2680 South Asians from the LASI-DAD study. Alzheimer's Association International Conference (AAIC), Amsterdam, Netherlands, July 16-20, 2023.
15. Lin L, Kiryakos J, Ammous F, Ratliff SM, Ware EB, Faul JD, Kardia SLR, Birditt K, **Smith JA**. Interaction between epigenetic age acceleration and demographic factors on blood lipid levels in the Health and Retirement Study. Society for Epidemiologic Research (SER), Portland, OR, June 13-16, 2023.
16. **Smith JA**, Opsasnick LA, Ratliff SM, Faul JD, Zhao W, Schmitz LL. Epigenetic biomarkers of socioeconomic status are associated with age-related chronic diseases and mortality in older adults. The Advances in Social Genomics Conference Series (TAGC), Madison, WI, June 8-9, 2023.

17. Opsasnick LA, Ratliff SM, Faul JD, Schmitz LL, Zhao W, **Smith JA**. Epigenome-wide association study of long-term psychosocial stress in older adults. The Advances in Social Genomics Conference Series (TAGC), Madison, WI, June 8-9, 2023.
18. Opsasnick LA, Ratliff SM, **Smith JA**. Epigenome-wide association study of long-term psychosocial stress in a population of older adults in the United States. National Human Genome Research Institute (NHGRI) T32 Training Grant in Genomic Sciences Annual Conference, Salt Lake City, UT, April 2-4, 2023.
19. Abu-Amara H, Zhao W, Li Z, Dey AB, Zhou X, Lee J, Kardia SLR, **Smith JA**. Gene-based analysis with functional annotation identifies associations with cognitive function in South Asians. Department of Epidemiology Doctoral Day. Ann Arbor, MI. March 13, 2023.
20. Opsasnick LA, Ratliff SM, Faul JD, Schmitz LL, Zhao W, **Smith JA**. Epigenome-wide association study of long-term psychosocial stress in older adults. Department of Epidemiology Doctoral Day. Ann Arbor, MI. March 13, 2023.
21. Lin L, Zhao W, Birditt K, **Smith JA**. Methylation risk scores are associated with cardiovascular risk factors in older U.S. adults. Department of Epidemiology Doctoral Day. Ann Arbor, MI. March 13, 2023.
22. Zhang X, Ammous F, Lin L, Ratliff SM, Zhao W, Kardia SLR, **Smith JA**. The interplay of epigenetic, genetic, and traditional risk factors on blood pressure: Findings from the Health and Retirement Study. American Society of Human Genetics, Los Angeles, CA, October 25-29, 2022.
23. Shang L, Zhao W, Wang YZ, Li Z, Choi JJ, Kho M, Mosley TH, Kardia SLR, **Smith JA***, Zhou X*. Genetic determinants of DNA methylation in African Americans: An meQTL mapping study in GENOA. American Society of Human Genetics, Los Angeles, CA, October 25-29, 2022.
24. Ammous F, Zhang X, Lin L, Ratliff SM, Zhao W, Kardia SLR, **Smith JA**. The interplay of epigenetic, genetic, and traditional risk factors on blood pressure: Findings from the Health and Retirement Study. Cohorts for Genomic Epidemiology in Heart and Aging Research (CHARGE) Consortium, Seattle, WA, October 12-14, 2022.
25. **Smith JA**, Kho M, Ammous F, Bressler J, Opsasnick LA, on behalf of the TOPMed Neurocognitive Working Group. Whole genome sequencing association analysis of general cognitive function in a multi-ethnic sample from the Trans-Omics for Precision Medicine (TOPMed) Program. Cohorts for Genomic Epidemiology in Heart and Aging Research (CHARGE) Consortium, Philadelphia, PA, April 27-29, 2022.
26. Wang YZ, Zhao W, Ammous F, Song Y, Du J, Shang L, Ratliff SM, Moore K, Kelly KM, Needham BL, Diez Roux AV, Liu Y, Butler KR, Kardia SLR, Mukherjee B, Zhou X, **Smith JA**. DNA methylation mediates the association between individual and neighbourhood social disadvantage and cardiovascular risk factors. University of Michigan, School of Public Health Doctoral Day (Virtual), January 21, 2022.
27. **Smith JA**, Kho M, Bressler J, Sarnowski C, Zhao W, Chaar D, Wang YZ, Ammous F, Bis JC, Nyquist P, Heckbert SR, Satizabal C, Yang Q, Snively B, Rodrigue A, Litkowski E, Glahn D, Hayden KM, Fitzpatrick A, Psaty B, Kardia SLR, Fornage M, Seshadri S, on behalf of the TOPMed Neurocognitive Working Group. Whole genome sequencing association analysis of general cognitive function in a multi-ethnic sample from the Trans-Omics for Precision Medicine (TOPMed) Program. American Society of Human Genetics (Virtual), October 18-22, 2021.
28. Ammous F, Zhao W, Lin L, Ratliff SM, Mosley TH, Bielak LF, Zhou X, Peyser PA, Kardia SLR, **Smith JA**. Epigenetics of Single and Multisite Atherosclerosis in African Americans from the

Genetic Epidemiology Network of Arteriopathy (GENOA). American Society of Human Genetics (Virtual), October 18-22, 2021.

29. **Smith JA**, Zhao W, Yu M, Moorjani P, Ganna A, Dey AB, Lee J, Kardia SLR. Common and rare variants in topologically associated domains for cognitive function in South Asians from the LASI-DAD Study. Alzheimer's Association International Conference (Virtual), July 26-30, 2021.
30. **Smith JA**, Zhao W, Peyser PA, Crandall CJ, Thurston RC, Ruiz-Narvaez E, Yu M, Hood MM, Kardia SLR, Harlow SD. Genetics of reproductive timing are associated with vasomotor symptom trajectories at the menopausal transition in women across multiple ethnicities. American Society of Human Genetics (Virtual), October 27-31, 2020.
31. Wang YZ, Zhao W, Song Y, Ratliff SM, Kelly KJ, Needham BL, Diez Roux AV, Liu Y, Faruque F, Butler KR, Kardia SLR, Mukherjee B, Zhou X, **Smith JA**. DNA methylation mediates the association between individual and neighborhood social disadvantage and cardiovascular risk factors. American Society of Human Genetics (Virtual), October 27-31, 2020.
32. Ammous F, Zhao W, Ratliff SM, Mosley TH, Bielak LF, Zhou X, Kardia SLR, **Smith JA**. Epigenetic age acceleration in African Americans associates with cardiometabolic risk factors and clinical cardiovascular disease risk scores. American Society of Human Genetics (Virtual), October 27-31, 2020.
33. Kho M, Wang YZ, Chaar D, Ratliff SM, Mosley T, Kardia SLR, **Smith JA**. Accelerated DNA methylation age and medication use among older African Americans. American Society of Human Genetics (Virtual), October 27-31, 2020.
34. Faul JA, Kho M, Zhao W, Rumfelt KE, Mitchell C, **Smith JA**. Trans-ethnic Meta-analysis of Interactions between genetics and early life socioeconomic status on memory performance and decline in older Americans. Alzheimer's Association International Conference (Virtual), July 27-31, 2020.
35. Ammous F, Zhao W, Ratliff SM, Mosley TH, Kardia SLR, Zhou X, Shang L, **Smith JA**. Epigenome-wide association study identifies DNA methylation sites associated with target organ damage in older African Americans. Department of Epidemiology Doctoral Day. Ann Arbor, MI. January 29, 2019.
36. Molina CA, Kho M, Ratliff SM, Mosley TH, Kardia SLR, Zhao W, **Smith JA**. The association between DNA methylation and white matter hyperintensities in an older African American population. Department of Epidemiology Masters Student Poster Day. Ann Arbor, MI. November 8, 2019.
37. **Smith JA**, Shang L, Zhao W, Kho M, Turner ST, Mosley TH, Kardia SLR, Zhou X. Contrasting the genetic architecture underlying gene expression levels in European American and African Americans: An eQTL mapping study in GENOA. American Society of Human Genetics (ASHG), Houston, TX, October 15-19, 2019.
38. Kho M, Ratliff SM, Ammous F, Zhao W, Mosley TH, Kardia SLR, Zhou X, **Smith JA**. Epigenetic loci for blood pressure are associated with hypertensive target organ damage in an older African Americans. International Genetic Epidemiology Society (IGES), Houston, TX, October 12-14, 2019. *Highlighted poster, with accompanying oral presentation.*
39. Zhao W, Ammous F, Ratliff S, Mosley TH, Kardia SLR, **Smith JA**. The association between common risk factors for age-related disease and DNA methylation clocks in an African American population. International Genetic Epidemiology Society (IGES), Houston, TX, October 12-14, 2019.
40. **Smith JA**, Zhao W, Yu M, Moorjani P, Ganna A, Dey AB, Kardia SLR, Lee J. Association between Alzheimer's Disease risk SNPs and episodic memory in South Asians from the LASI-DAD study. International Genetic Epidemiology Society (IGES), Houston, TX, October 12-14, 2019.

41. Ammous F, Zhao W, Ratliff SM, Mosley TH, Kardia SLR, Zhou X, **Smith JA**. Epigenome-wide association study identifies DNA methylation sites associated with target organ damage in elderly African Americans. American Heart Association: Hypertension, New Orleans, LA, September 6, 2019. *Nominated for Hypertension Early Career Oral Awards.*
42. **Smith JA**, Raisky J, Zhao W, Ratliff SM, Mosley TH, Turner ST. Intrinsic and extrinsic epigenetic age acceleration is associated with hypertensive target organ damage in older African Americans. International Summit on Aging and Gerontology. Rome, Italy, May 27, 2019.
43. Eder B, Hood M, Merillat S, Karvonen-Gutierrez C, Kardia SLR, Harlow S, **Smith JA**. Association between genetic variation in the FTO gene, age at menopause and sex steroid hormone levels in a multi-ethnic sample of American women. Department of Epidemiology Masters Student Poster Day. Ann Arbor, MI, November 2, 2018.
44. Seaton R, Zhao W, Ratliff SM, Mosley TH, Bielak LF, **Smith JA**. The influence of neighborhood disadvantage on blood pressure-associated DNA methylation sites in African Americans. Department of Epidemiology Masters Student Poster Day. Ann Arbor, MI, November 2, 2018.
45. Raisky J, Zhao W, Ratliff SM, Turner ST, Mosley TH, **Smith JA**. Epigenetic age acceleration is associated with target organ damage in African Americans. International Genetic Epidemiology Society, San Diego, CA, October 14-16, 2018.
46. Liu J, Zhao W, Zhou X, **Smith JA**. Longitudinal analysis of DNA methylation reveals novel smoking-related loci in African Americans. International Genetic Epidemiology Society, San Diego, CA, October 14-16, 2018.
47. Raisky J, Zhao W, Ratliff S, Turner ST, Mosley TH, **Smith JA**. Epigenetic age acceleration is associated with target organ damage in African Americans. Department of Epidemiology Masters Student Poster Day, Ann Arbor, MI, November 10, 2017.
48. Zhao Y, Bielak LF, Zhao W, Ratliff SM, Mosley TH, Turner ST, Peyser PA, **Smith JA**. *PNPLA3* methylation in circulating blood leukocytes is associated with hepatic steatosis in African Americans. Department of Epidemiology Masters Student Poster Day, Ann Arbor, MI, November 10, 2017.
49. **Smith JA**, Zhao W, Wang X, Ratliff SM, Mukherjee B, Kardia SLR, Liu Y, Diez Roux AV, Needham BL. Neighborhood characteristics influence DNA methylation of genes involved in stress response and inflammation: The Multi-Ethnic Study of Atherosclerosis. Integrating Genetics and Social Sciences, Boulder, CO, October 19-20, 2017.
50. **Smith JA**, Hillman TJ, Kho M, Zhao W, Mitchell C, Faul J. Genetic burden scores and early life socioeconomic status jointly influence memory performance and decline in older Americans. Society for Epidemiologic Research, Seattle, WA, June 20-23, 2017.
51. Liu J, Zhao W, Ware EB, Kardia SLR, Turner ST, Mosley TH, **Smith JA**. DNA methylation in the *APOE* gene region is associated with cognitive function in African Americans, Society for Epidemiologic Research, Seattle, WA, June 20-23, 2017.
52. Ware EB, Schmitz LL, Faul JD, Gard A, Mitchell C, **Smith JA**, Zhao W. Implications of polygenic score estimation methods on gene-by-environment interaction analyses. Society for Epidemiologic Research, Seattle, WA, June 20-23, 2017.
53. Faul JD, Zhao W, Kho M, **Smith JA**. Gene-based association and gene-by-environment interaction on episodic memory in the Health and Retirement Study – An examination of the effect of childhood SES on later life cognitive decline. Population Association of America, Chicago, IL, April 27-29, 2017.

54. **Smith JA,** Zhao W, Kho M, Mitchell C, Faul JD. Gene-level aggregate methods to evaluate genetic association and gene-by-environment interactions in cross-sectional and longitudinal data. National Institute on Aging Biomarker Network, Chicago, IL, April 26, 2017.

55. Liu X, Mosley TH, Turner ST, Kardia SLR, Zhao W, Ware EB, **Smith JA**. APOE methylation and cognitive function among African Americans in the GENOA Cohort. Department of Epidemiology Masters Student Poster Day. Ann Arbor, MI. October 28, 2016.

56. Hillman TJ, Kho MJ, Zhao W, Mitchell C, Faul JD, **Smith JA**. Interactions between genetic burden score and educational attainment on memory performance and decline. Department of Epidemiology Masters Student Poster Day. Ann Arbor, MI. October 28, 2016.

57. **Smith JA**, Faul JD, Zhao W, Kho M, Hillman TJ, Ware EB, Mitchell C. Gene-based association and gene-by-education interaction on episodic memory in the Health and Retirement Study. Integrating Genetics and Social Sciences, Boulder, CO, October 21-22, 2016.

58. **Smith JA**, Ware EB, Zhao W, Faul JD, Kardia SLR. Gene-by-psychosocial factor interactions on blood pressure in older non-Hispanic whites and African Americans: A genomic region-level analysis. American Heart Association Epidemiology and Prevention / Lifestyle and Cardiometabolic Health, Phoenix, AZ, Mar 1-4, 2016.

59. Faul JD, Mitchell C, **Smith JA**. Is heritability of telomere length modified by lifecourse socioeconomic status? 4th Annual Integrating Genetics and Social Sciences, Boulder, CO, October 9-10, 2014.

60. **Smith JA**, Zhao W, Needham B, Faul JD, Seeman TE, Boerwinkle E, Chakravarti A, Weir DR, Kardia SLR, Diez-Roux AV. Identifying interactions among social, psychosocial, and genetic factors that influence blood pressure in three multi-ethnic epidemiological cohorts: the Multi-Ethnic Study of Atherosclerosis (MESA), the Atherosclerosis Risk in Communities Study (ARIC), and the Health and Retirement Study (HRS). American Society of Human Genetics, Boston, MA, October 22-26, 2013.

61. **Smith JA**, Lazarus AL, Mosley TH, Jr., Turner ST, Kardia SLR. An epigenetic intersection of age, inflammation, and kidney function. International Genetic Epidemiology Society (IGES), Stevenson, WA, October 18-20, 2012. *Genetic Epidemiology* 36(7):769.

62. **Smith JA**, Arnett DK, Kelly RJ, Ordovas JM, Sun Y, Hopkins PN, Hixson JE, Straka RJ, Peacock JM, Kardia SLR. SNP-risk factor interactions predict postprandial triglyceride response to Fenofibrate. 2008 Doctoral Student Health Research Symposium: Multi-Disciplinary Approaches Toward Improving Health, University of Michigan, Ann Arbor, MI, March 24, 2008.

63. **Smith JA**, Kardia SLR. The genetic architecture of fasting plasma triglyceride response to Fenofibrate treatment. PROGENI/NHLBI Gene-Environment Interaction Studies, Baltimore, MD, December 3-4, 2007.

64. **Smith JA**, Turner ST, Sun YV, Fornage, Mosley TH, Boerwinkle E, de Andrade M, Kardia SLR. The genetic architecture of leukoaraiosis in hypertensive sibships. International Genetic Epidemiology Society (IGES), North Yorkshire, England, September 7-10, 2007. *Genetic Epidemiology* 32(7):714.

65. **Smith JA**, Arnett DK, Kelly RJ, Ordovas JM, Sun Y, Hopkins PN, Hixson JE, Straka RJ, Peacock JM, Kardia SLR. SNP-risk factor interactions predict postprandial triglyceride response to Fenofibrate. Clinical Cardiovascular Genomics, Cold Spring Harbor Laboratory, Cold Spring, NY, October 10-13, 2007.

66. **Smith JA**, Arnett DK, Kelly RJ, Ordovas JM, Sun Y, Hopkins PN, Peacock JM, Kardia SLR. Interacting genetic factors influencing fasting VLDL response to Fenofibrate. International Genetic

Epidemiology Society (IGES), St. Petersburg, FL, November 16-17, 2006. *Genetic Epidemiology* 31(5):498.

67. **Smith JA**, Arnett DK, Kelly RJ, Ordovas JM, Sun Y, Hopkins PN, Hixson JE, Straka RJ, Peacock JM, Kardia SLR. A novel apolipoprotein A-IV polymorphism is associated with lipoprotein metabolism and response to Fenofibrate. 2nd North American Congress of Epidemiology, Society for Epidemiologic Research, Seattle, WA, June 21-24, 2006. *American Journal of Epidemiology* 163 (Suppl 11):S128.

Abstracts for Professional Meetings (Co-Author)

1. Chemerinski A, Hood MM, Kaiser L, New E, Johnson J, El Khoudary S, Derby C, Harlow S, Deckey I, **Smith JA**, Karvonen-Gutierrez, Thurston R, Crawford S, Sammel M, Santoro N. American Society for Reproductive Medicine Scientific Congress and Expo. Baltimore, MD, October 24-28, 2026. (*submitted*)
2. Tu Y, Chittoor G, Justice AE, Wang Z, Periera A, Horimoto A, Frankel E, Baca E, Shortt J, Ratliff S, Yao J, Guo X, **Smith JA**, Johnson AD, Chen M-H, Gladish N, Korth KE, Krishnan M, Graff M, Fernandez-Rhodes L. Large coronary heart disease GWAS for Hispanic/Latino adults reveals ancestry-specific insights into novel and sex-differentiated risk loci. American Society of Human Genetics, Montreal, Quebec, Canada, October 20-24, 2026. (*submitted*)
3. Kim JK, Arpawong T, Lee J, **Smith JA**, Thyagarajan B, Crimmins E. Epigenetic aging and blood based neurodegeneration markers in LASI-DAD. Alzheimer's Association International Conference (AAIC), London, United Kingdom, July 12-15, 2026. (*accepted*)
4. Cockell S, Hornish U, **Smith JA**, Zawistowski M, Dou J, Bakulski KM, Ware EB. Genetic analysis of hypertension in a nationally-representative sample of adults over 50 in the US Health and Retirement Study. University of Michigan Aging Initiative Symposium: Stress, Resiliency, and Health in Later Life, Ann Arbor, MI, March 26, 2026.
5. Gardner HR, Ratliff S, Chen J, **Smith J**, North KE, Justice AE, Fernandez-Rhodes L, on behalf of Genetic Epidemiology Network of Arteriopathy, the Intergenerational Blood Pressure and Health and Retirement Study coauthors. Trans-ancestral analyses of obesity and socioeconomic status reveal significant associations with DNA methylation. Society for Epidemiologic Research Annual Meeting, Boston, MA, June 10-13, 2025.
6. Zhao W, **Smith JA**, Abu-Amara H, Leung YY, Schellenberg GC, Wang LS, Moorjani P, Crimmins EM, Thyagarajan B, Anwar M, Hu P, Dey S, Dey AB, Zhou X, Thangaraj K, Lee J, Kardia SLR. Genetic variants in MAPT are associated with Alzheimer's disease blood biomarkers in South Asians from LASI-DAD. Alzheimer's Association International Conference (AAIC), Toronto, Ontario, Canada, July 27-31, 2025.
7. Leis AM, Zawistowski M, Mathis MR, **Smith JA**, Kheterpal S, Mukherjee B, Karvonen-Gutierrez CA. Polygenic risk score for diabetes predicts postoperative acute kidney injury. Gerontological Society of America (GSA) Annual Meeting, Seattle, WA, November 12-16, 2024.
8. Hutten CG, Boem F, **Smith JA**, Wassertheil-Smoller S, Isasi CR, Cai J, Unkart J, Sun J, Persky V, Daviglus M, Sofer T, Argos M. Prediction of coronary artery disease in Hispanic/Latinos using large-scale polygenic risk scores: Findings from the Hispanic Community Health Study/Study of Latinos (HCHS/SOL). American Society of Human Genetics (ASHG), Denver, CO, November 6-9, 2024.
9. Zhao W, Li Z, Zhou X, Moorjani P, Dey S, Dey AB, Lee J, **Smith JA**, Kardia SLR. A reference panel for linkage disequilibrium and genotype imputation using whole-genome sequencing data from

2680 LASI-DAD participants across India. American Society of Human Genetics (ASHG), Denver, CO, November 6-9, 2024.

10. Kerdoncuff E, Skov L, Patterson N, Zhao W, Lueng YY, Schellenberg GD, **Smith JA**, Dey S, Ganna A, Dey AB, Kardia SLR, Lee J, Moorjani P. 50,000 years of evolutionary history of India: insights from ~2,700 whole genome sequences. Society for Molecular Biology and Evolution. Puerto Vallarta, Mexico, July 7-11, 2024.
11. Wang YZ, Zhao W, Kerdoncuff E, Li Z, Moorjani P, Gross AL, Zhou X, Dey S, Dey AB, Lee J, **Smith JA**, Kardia SLR. Socoiodemographic and ancestral variation in the association between APOE ε4 and cognitive function in South Asians from LASI-DAD. Alzheimer's Disease Sequencing Program (ADSP) Annual Review Meeting, Bethesda, MD, March 27-28, 2024.
12. Gallagher LA, Schuler CF, Troost JP, Slack IF, Sanders GM, Baker Jr JR, **Smith JA**, O'Shea KM. Racial and socioeconomic disparities exist in peanut OIT populations. American Academy of Allergy, Asthma, and Immunology, Washington, DC, February 23-26, 2024.
13. Sarnowski C, Gaynor S, Jian X (…20+ additional authors including **Smith JA**…), Morrison AC. Polygenic scores for insuling resistance are associated with brain volumes in the NHLBI Trans-Omics for Precision Medicine (TOPMed) Program. American Society of Human Genetics (ASHG), Washington, DC, November 1-5, 2023.
14. Krishnan M, Anwar MY, (…15+ additional authors including **Smith JA**…), Graff M. Genome-wide association study identifies novel risk loci and provides new insights into genetic architecture of severe obesity. American Society of Human Genetics (ASHG), Washington, DC, November 1-5, 2023.
15. Huang, YJ, Kurniansyah N, Goodman MO (…28 additional authors including **Smith JA**…), Sofer T. The expected polygenetic risk score (ePRS) framework: an equitable metric to quantifying polygenetic risk via modelling of ancestral makeup. American Society of Human Genetics, Washington, D.C., November 1-5, 2023.
16. Lai M, Kim K, Zheng Y, Castellani C, Joehanes R, Huan T, Ma J, Hou L, Guo X, Levy D, Reiner A, Rotter J, **Smith JA**, Arking D, Liu C, representing the TOPMed mtDNA Working Group. The association analyses of DNA methylation and mitochondrial DNA heteroplasmy. Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium, Orlando, FL, July 20-23, 2023.
17. Wang YZ, Zhao W, Dey AB, Lee J, **Smith JA**, Kardia SLR. Effect of *APOE* e4 and its modification by sociodemographic characteristics on cognitive measures in South Asians from LASI-DAD. Alzheimer's Association International Conference (AAIC), Amsterdam, Netherlands, July 16-20, 2023.
18. Birditt K, Turkelson AM, Polenick CA, Cranford JA, **Smith JA**, Ware EB, Blow FC. Alcohol use and mortality among older couples in the United States: Evidence of individual and partner effects. Research Society on Alcoholism, Bellevue, WA, June 24-28, 2023.
19. Lundin, (…20+ additional authors including **Smith JA**…), Kooperberg C. Methylation patterns associated with inflammation traits in racially and ethnically diverse populations. American Society of Human Genetics, Los Angeles, CA, October 25-29, 2022.
20. Lundin, (…20+ additional authors including **Smith JA**…), Kooperberg C. Methylation patterns associated with inflammation traits in racially and ethnically diverse populations. Cohorts for Genomic Epidemiology in Heart and Aging Research (CHARGE) Consortium, Seattle, WA, October 12-14, 2022.

21. Kho M, **Smith JA**, Miller CL, Peyser PA, Kardia SLR, on behalf of the CHARGE Gene-Lifestyle Interactions Working Group. Gene-sodium intake interactions reveal new blood pressure loci in a multi-ancestry genome wide association study in CHARGE and UK Biobank. Cohorts for Genomic Epidemiology in Heart and Aging Research (CHARGE) Consortium, Seattle, WA, October 12-14, 2022.
22. Chaar D, Nguyen K, Wang YZ, Ratliff S, Mosley TH, Kardia SLR, **Smith JA**, Zhao W. Identification of *ABCA7* SNP-by-CpG interactions associated with cognition in older African Americans. Alzheimer's Association International Conference. San Diego, CA, July 31-August 4, 2022.
23. Shade LMP, Satizabal CL, Glahn D, Mosley T, Heckbert S, Launer L, Yanek LR, Bis JC, **Smith JA**, DeCarli CS, Arnett DK, Psaty BM, Nyquist PA, Mathias RA, Rotter J, Rich S, Blangero J, DeStafano AL, Fardo D, Fornage M, Seshadri S, Sarnowski C, on behalf of the TOPMed Neurocognitive Working Group. Whole genome sequence association analysis of brain MRI measures. Alzheimer's Association International Conference. San Diego, CA, July 31-August 4, 2022.
24. Kurniansyah N, (…35 additional authors including **Smith JA**…), the NHLBI Trans-Omics in Precision Medicine (TOPMed) Consortium, Sofer T. A multi-ethnic polygenic score is associated with hypertension prevalence and progression throughout adulthood. Cohorts for Genomic Epidemiology in Heart and Aging Research (CHARGE) Consortium, Philadelphia, PA, April 27-29, 2022.
25. Leis AM, Mathis MR, Kheterpal S, Zawistowski M, **Smith J**, Karvonen-Guiterrez CA. Varying cariodmetabolic disease patterns with or without obesity are associated with differential increases in acute kidney injury following joint replacement procedures. International Anesthesia Research Society, Honolulu, HI, March 18-21, 2022.
26. Kurniansyah N, (…35 additional authors including **Smith JA**…), the NHLBI Trans-Omics in Precision Medicine (TOPMed) Consortium, Sofer T. A multi-ethnic polygenic score is associated with hypertension prevalence and progression throughout adulthood. American Heart Association: EPI|Lifestyle Scientific Sessions, Chicago, IL, March 1-4, 2022.
27. Armstrong ND, Irvin MR, Srinivasasainagendra V, **Smith JA**, Kelly TN, Tanika N, Franceschini N, Assimes TL, Beithelshees AL, Montasser ME, Rotter JI, Lange LA, Kelly EE, Rao DC, Arnett DK, on behalf of TOPMed Blood Pressure Working Group. Whole genome sequence analysis of apparent treatment resistant hypertension status in participants from the Trans-omics for Precision Medicine Program. American Heart Association: EPI|Lifestyle Scientific Sessions, Chicago, IL, March 1-4, 2022.
28. Chaar D, Nguyen K, Wang YZ, Ratliff S, Mosley TH, Kardia SLR, **Smith JA**, Zhao W. Associations between *ABCA7* SNPs and general cognitive function and modified by proximal CpG sites in older African Americans. University of Michigan, School of Public Health Doctoral Day (Virtual), January 21, 2022.
29. Li Z, Zhao W, Shang L, Mosley TH, Kardia SLR, **Smith JA**, Zhou X. The METRO method improves identification of gene-disease associations through multi-ancestry transcriptome-wide association studies. American Society of Human Genetics (Virtual), October 18-22, 2021.
30. Zhao W, Carter A, Bares C, Lin L, Reed BG, Bowden M, Zucker RA, **Smith JA**, Becker JB. Sex-specific and generational effects of alcohol use and tobacco smoking on epigenetic age acceleration in the Michigan Longitudinal Study. American Society of Human Genetics (Virtual), October 18-22, 2021.

31. Zhao W, **Smith JA**, Yu M, Moorjani P, Ganna A, Dey AB, Lee J, Kardia SLR. Polygenic risk score for general cognitive function is associated with measures of cognition in South Asians from the LASI-DAD Study. Alzheimer's Association International Conference (Virtual), July 26-30, 2021.

32. Zhang Y, Liu X, Wiggins KL, Sofer T, Guo X, DeCarli CS, Glahn DC, Levy D, Nyquist PA, Pitsillides A, Psaty BM, Rodrigue AL, Rotter JI, **Smith JA**, Yanek LR, Seshadri S, Bis JC, Heckbert SR, Fitzpatrick AL, Fornage M, Liu C, Satizabal CL, on behalf of the NHLBI Trans-Omics for Precision Medicine (TOPMed) program mtDNA and Neurocognitive Working Groups. Association with mitochrondrial DNA copy number with brain MRI and cognitive function in the TOPMed Program. Alzheimer's Association International Conference (Virtual), July 26-30, 2021.

33. Wang X, Kho MJ, Zhao W, Wang YZ, Yu M, Ratliff SM, Mosley TH, **Smith JA**, Kardia SLR. Genetic and epigenetic predictors of cardiovascular disease risk factors in a cohort of African Americans: Genetic risk score, epigenetic age acceleration, and their interaction. American Society of Human Genetics (Virtual), October 27-31, 2020.

34. Shang L, **Smith JA**, Zhao W, Kho MJ, Turner ST, Mosley TH, Kardia SLR, Zhou X. Genetic determinants of DNA methylation and gene expression in African Americans: An mQTL mapping study in GENOA. American Society of Human Genetics (Virtual), October 27-31, 2020.

35. Zhao W, Wang YZ, Fang Y, Yu M, **Smith JA**, Sen S. Stress during medical internship is associated with epigenetic age acceleration in medical interns. American Society of Human Genetics (Virtual), October 27-31, 2020.

36. Zhao W, **Smith JA**, Yu M, Moorjani P, Ganna A, Dey AB, Lee J, Kardia SLR. Common and rare variants in Alzheimer's Disease genes are associated with episodic memory in South Asians from the LASI-DAD Study. Alzheimer's Association International Conference (Virtual), July 27-31, 2020.

37. Sarnowski C, Satizabal CL, Yanek LR, Bis JC, **Smith JA**, DeCarli CS, Arnett DK, Psaty BM, Nyquist PA, Mathias R, DeStefano AL, Seshadri S, on behalf of the TOPMed Neurocognitive working group. Whole genome sequence association analyses of brain volumes in the TOPMed program. Alzheimer's Association International Conference (Virtual), July 27-31, 2020.

38. Verdiesen RMG, van der Schwou YT, van Gils CH, Verschuren WMM, Broekmans F, Borges MC, Soares ALG, Lawlor DA, Eliassen AH, Sandler D, Harlow SD, Smith JA, Santoro N, Karlamanga AS, Schoemaker MJ, Swerdlow AJ, Murray A, Ruth KS, Onland-Moret NC. Genome-wide association meta-analysis identifies three novel loci for circulating anti-Mullerian hormone levels in women. European Society of Human Genetics (Virtual), June 6-9, 2020.

39. Castro-Diehl C, Needham B, **Smith J**, Zhao W, Epel E, Mukherjee B, Sanchez B, Seeman T, Diez Roux A. Prediction of telomere shortening using a genetic risk score: The Multi-Ethnic Study of Atherosclerosis. American Heart Association Epidemiology and Prevention / Lifestyle and Cardiometabolic Health, Phoenix, AZ, March 3-6, 2020.

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