

CURRICULUM VITAE

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AU Title Professor of Medicine
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EDUCATION

College (B. S.) Major in Mathematics and Computer Science
1996 Sept. – 2000 July Department of Mathematics, Beijing Normal University, Beijing, China

Graduate (Ph. D.) Major in Statistical Genetics and Epidemiology
2000 Sept. – 2005 July Division of Population Genetics and Prevention
Fu Wai Hospital & Cardiovascular Institute
Peking Union Medical College & Chinese Academy of Medical Sciences, Beijing, China

Postgraduate courses Advanced Course on Methodology for Genetic Studies of
2006 March; 2009 March Twins and Families, Boulder, CO, USA

Postdoctoral fellow Field of Study: Genetic Epidemiology
2005 Sept. – 2009 June Department of Medicine (Cardiology)
Emory University School of Medicine, Atlanta, GA, USA

PROFESSIONAL

Academic Appointments

07/2009 – 02/2010 Instructor, Department of Medicine (Cardiology)
Emory University School of Medicine, Atlanta, GA, USA

03/2010 – 02/2011 Assistant Research Professor, Department of Epidemiology
Emory University School of Public Health, Atlanta, GA, USA

03/2011 – 06/2016 Assistant Professor, Georgia Prevention Institute
Department of Pediatrics
Augusta University Medical College of Georgia
Augusta, GA, USA

07/2016 – Associate Professor, Georgia Prevention Institute
Department of Pediatrics, Population Health Sciences, Medicine
Augusta University Medical College of Georgia
Augusta, GA, USA

07/2021 – Professor, Georgia Prevention Institute
Department of Medicine
Augusta University Medical College of Georgia
Augusta, GA, USA

Research and Training Grants Awarded

Active research grants

1R01MD013307-01A1 (S. Su / F. Treiber) 8/28/2019 - 5/31/2025 (NCE)
NIH/NIMHD \$2,987,927 total
Psychosocial stress, epigenetics and health disparity in hypertension
This project aims to find how epigenetic mediates the effect of chronic stress on the risk of essential hypertension and its related racial disparity.
Role: MPI

R01 DK117365-01 (X. Wang / R. Harris) 9/24/2018 - 8/31/2024 (NCE)
NIDDK/NIH \$3,282,805 total
Role of skeletal muscle health on poor lifestyle related type 2 diabetes and cardiovascular disease risk
This project aims to find how the skeletal muscle health and its molecular transducer play a role in chronic diseases linked with unhealthy lifestyles such as cardiovascular disease and type 2 diabetes.
Role: Co-I

Intramural Grants Program (X. Wang / B. Baban) 11/1/2023 – 10/31/2024
Augusta University \$50,000 total
Stress, chronodisruption and accelerated aging: the mechanistic view from diurnal oscillations of salivary metabolomics and microbiome
This pilot study aims to provide the proof-of-concept that altered metabolite and microbiota profiles in saliva samples can indicate the pathways that underlie chronic stress and biological aging.
Role: Co-I

Pending research grants

GRANT1R01AG092807-01A1 (S. Su / X. Wang) 12/1/2025 - 11/30/2030
NIH/NIA \$ 3,849,068 total
Psychosocial Stress in Early Life, Chronodisruption and Accelerated Aging in Mid Life: A Life-course Approach
This project will test whether chronodisruptive behaviors, such as late meal timing, poor sleep hygiene, and disruptive rest-activity rhythm, as well as circadian dysfunction, can mediate the impact of early-life psychosocial stress exposures on accelerated aging in midlife.
Role: MPI
Submitted: March 2025

Scored: 8%

1R01AG087274-01A1 (S. Su / Y. Liu / T. Lewis) 12/1/2024 - 11/30/2029
NIH/NIA \$3,815,571 total

Early life social determinants of health and cognitive functioning in middle age: health disparity and novel biomarkers

This project will identify race-related social determinants of health (SDOH) in early life that contribute to racial difference in cognitive function in midlife, and will discover novel plasma neuron-derived exosomes (NDEs) biomarkers that link with cognitive function in midlife.

Role: MPI

Submitted: March 2024

Completed research grants

1R01HL143440-01A1 (S. Su / J. McDowell) 6/1/2019 - 4/30/2024 (NCE)
NIH/NHLBI \$2,845,194 total

Pediatric Ambulatory Blood Pressure Trajectory and Brain Health in Midlife

This project will examine the impact of elevated BP during early life on brain health in midlife. It will aid in the identification of key factors, timing and subpopulation to target for developing novel prevention and intervention strategies at an early stage that could slow the progression of aging process in vasculature and brain, eventually averting accelerated cognitive decline in late life.

Role: MPI

Intramural Grants Program (S. Su / Y. Liu) 7/1/2022 – 12/31/2023
Augusta University \$50,000 total

Plasma neuron-derived exosome protein profile and cognitive impairment in middle age

This pilot study aims to provide proof-of-concept that proteome profiling of plasma neuron-derived exosome (NDEs) in middle age can help to identify novel biomarkers and new mechanisms for early cognition impairment.

Role: MPI

3R01NS112511-01A1S1 (D. Hess) 8/1/2020 - 1/31/2023
NIH/NINDS \$308,000 total

Rheoerythrocyte dysfunction in stroke and remote ischemic conditioning

This is a supplement grant to the parent grant list above. The goal of this supplement is to recruit 500 COVID-19 patients for long-term follow-up on neurological sequelae.

Role: Co-I

1R01HL136630-01A1 (Y. Dong) 1/1/2018 - 1/31/2022
NIH/NHLBI \$2,291,975 total

Early Life Stress, Damage Associated Molecular Patterns, and Cardiovascular Risk

The central hypothesis is that early life stress increases circulating DAMPs, and circulating DAMPs contribute to BP elevation.

Role: Co-I

1R01HL125577-01 (S. Su) 5/5/2015 - 4/30/2020
NIH/NHLBI \$379,583

Epigenetic Response to Early Life Stress and the Impact on Cardiovascular Health

The major objective is to identify ELS-related DNA methylation modifications in early young adulthood and to examine their varies and impacts on cardiovascular health over time.

Role: PI

1R01 HL125246-01A1 (V. Vaccarino)

7/15/2015 - 4/30/2019

NIH/NHLBI

\$773,058

PTSD and Ischemic Heart Disease Progression: A Longitudinal Twin Study

This project is to undertake a highly innovative longitudinal study to confirm the link between PTSD and IHD and to uncover underlying causal pathways focusing on stress reactivity. It will use a genetically informative longitudinal research design, re-examining twins 12 years after their initial assessment with PET imaging.

Role: Subcontract PI

1R01HL104125-01 (X. Wang)

8/1/2011 - 7/31/2018

NIH/NHLBI

\$584,785

A genome wide methylation study on essential hypertension

In this project, we hypothesize that changes in DNA methylation of leukocytes are involved in the pathogenesis of EH and aim to identify these differentially methylation sites using a multi-step genome wide approach.

Role: Co-I

1R01HL105689 (X. Wang)

7/1/2011 - 12/31/2017

NIH/NHLBI

\$688,696

Epigenetic Basis of Obesity Induced Cardiovascular Disease and Type 2 Diabetes

In this project, we hypothesize that obesity induced defects in immune function is caused by DNA methylation changes in peripheral blood mononuclear cells in response to adipokines and cytokines secreted by adipose tissue. We aim to identify the differential methylation profiles between obese cases and lean controls and further evaluate whether these methylation changes are involved in the pathogenesis of obesity related co-morbidities.

Role: Co-I

Community Partnership Award (Y. Dong)

07/01/13 - 06/30/15

IPPH (Institute of Preventative and Public Health) \$50,000

Cardiometabolic risks in Hispanic farm-workers: a health-fair model study in the Southeastern region.

We aim to characterize the longitudinal progression of cardiometabolic risks in young Hispanic migrant farm-workers by means of the annual Costa-Layman Health Fairs (2013-2015) through community health partnership.

Role: Co-I

1R21HL106333-01A1 (S. Su)

8/1/2011 - 7/31/2015

NIH/NHLBI

\$187,879

Epigenetics, a Potential Mechanism Linking Depression to Cardiovascular Disease

The major objective is to explore the potential epigenetic mechanisms linking depression to CVD by using twins who are discordant for major depressive disorder.

Role: PI

AHA 09SDG2140117 (S. Su)

7/1/2009 - 6/30/2014

American Heart Association (National) Scientist Development Grant \$77,000

Identification of Common Genes Related to Depression and Inflammation

The major objective is to discover common genes related to both depression and inflammation, adopting a genome-wide association approach. Our request to access the Framingham Genome dataset, which forms the base of the subsequent replication study, has been approved by NCBI dbGaP.

Role: PI

K24 HL077506-06 (V. Vaccarino) 9/1/2009 - 2/28/2011
NIH/NHLBI \$183,128

Mind-Body Interactions in Cardiovascular Disease

The objective of this grant is to foster Dr. Vaccarino's academic career and that of beginning investigators working with her in patient-oriented research on mind-body relationships in cardiovascular disease.

Role: Co-I

AHA 0725513B - Su (PI), Vaccarino (Mentor) 7/1/2007 - 6/30/2009
American Heart Association (National) Postdoctoral Fellowship \$37,500

Identification of genes related to depression and autonomic dysregulation

The major objective is to examine whether genetic variants in eight key genes involved in the corticotrophin-releasing hormone (CRH), sympathetic and parasympathetic nervous systems (SNS and PNS), and serotonin pathways explain a significant part of the covariation of depression and altered cardiac autonomic function.

Role: PI

Woodruff Fund, Inc. (V. Vaccarino) 9/1/2007 - 8/31/2009
Emory \$175,000

Accelerated Biological Aging as a Shared Mechanism in Cardiovascular and Brain Disorders

The overall objective of this study is to determine whether accelerated biological senescence is the underlying phenomenon shared by atherosclerosis and common neuropsychopathology of aging, and identify unique correlates of biological age that are independent of chronological age.

Role: Co-I

AWARDS/HONORS

- 2001 Excellent Student Scholarship, Peking Union Medical College & Chinese Academy of Medical Sciences
- 2008 Postdoctoral Research Symposium Best Poster Award, Emory University
- 2008 Postdoctoral Merit Award, Emory University
- 2009 Finalist for the Jeremiah and Rose Stamler Research Award for New Investigators, 49th Cardiovascular Disease Epidemiology and Prevention Annual Conference, American Heart Association
- 2012 Outstanding Young Basic Science Faculty Award, Georgia Health Sciences University
- 2013 Recipient of the Scott Grundy Award for Excellence in Metabolism Research, Cardiovascular Disease Epidemiology and Prevention / Nutrition, Physical Activity and Metabolism 2013 Scientific Sessions, American Heart Association
- 2014 Abstract selected by the American Psychosomatic Society's Program Committee as being especially newsworthy, 2014 American Psychosomatic Society 72nd Annual Scientific Meeting
- 2016 Abstract selected by the American Heart Association Program Committee as being especially newsworthy, 2016 American Heart Association Scientific

2022 Session (<http://newsroom.heart.org/news/Xchildhood-adversity-linked-to-blood-pressure-dysfunction>)
Distinguished Faculty Award, Augusta University Medical College of Georgia

SCIENTIFIC AND PROFESSIONAL SOCIETIES

10/2005 - American Heart Association (AHA)
03/2013 - American Psychosomatic Society (APS)
06/2024 - Academy of Behavioral Medicine Research (ABMR)

TEACHING AND MENTORING

Lectures:

1. Seminar. Department of Medicine (Cardiology), Emory University School of Medicine. *Analysis of High Dimensional Data: CART and MARS in Genetic Studies*. 2011 May 3.
2. Grand Rounds. Department of Psychiatry and Health Behavior. *Depression and Cardiovascular Disease: Is Inflammation a Link?* 2011 May 19.
3. Bioinformatics Journal Club. Department of Biostatistics and Epidemiology. *A Statistical Framework for Biomarker Discovery in Metabolomic Time Course Data*. 2012 March 8.
4. Seminar. Department of Psychiatry and Health Behavior. *Epigenetics in Major Depression and Cardiovascular Health: The EMAC Study*. 2013 March 8.
5. Seminar. Department of Family Medicine. *Epigenetics in Major Depression and Cardiovascular Health*. 2014 January 9.
6. Seminar. Department of Medicine, University of Alabama at Birmingham School of Medicine. *Depression and Cardiovascular Disease: Genetic and Epigenetic Views*. 2014 April 21.
7. Seminar. Children's Hospital, Fudan University, Shanghai, China. *Depression and Cardiovascular Disease: Genetic and Epigenetic Views*. 2014 May 30.
8. Grand Rounds. Department of Pediatrics. *Early Life Stress and Cardiovascular Health*. 2015 January 16.
9. Seminar. Vascular Biology Center. *Early life stress and cardiovascular disease risk: epidemiology and potential mechanisms*. 2015 September 2.
10. Course PEDS 5086 seminar. Georgia Prevention Institute. *Introduction to Genetic Epidemiology*. 2016 February 4.
11. Grand Rounds, Department of Psychiatry and Health Behavior. *Early Life Stress, Heart and Brain Health*. 2017 February 23.
12. CON PhD Students Lab Tour, College of Nursing. *Early Life Stress, Mind and Heart: Epidemiology, Mechanisms, Prevention and Intervention*. 2017 August 16
13. Course PEDS 5086 seminar. Georgia Prevention Institute. *Early Life Stress, Mind and Heart*. 2018 February 15.
14. Grand Rounds. Department of Pediatrics. *Epigenetic Mechanisms Linking Childhood Adversities with CVD, and the Role in Racial Health Disparities*. 2018 November 30.

Current Trainees:

2026-	Brandon Rudy, Honors Student	Mentor
2025-2026	Lexis Botello, MS student	Research Advisor

Pending Trainees:

None.

Past Trainees:

2023-2024	Claire Gallion, MD student	Research Advisor
2022	Eric Burch	PhD Student Advisor
2019-2023	Yanyan Xu	PhD Student Advisor
2017-2021	Yvonne Smith	PhD Student Advisor
2017-2021	Kimberly Roberts	PhD Student Advisor
2017-2021	Karis Casseus	PhD Student Advisor
2017-2021	Amanda Howard	PhD Student Advisor
2018-2020	Jing Sun	PhD Student Advisor
2017-2019	John Milner	PhD Student Advisor
2018	Rufang Wang, PhD	Scholar Advisor
2015-2018	Guang Hao, MD PhD	Postdoctoral Advisor
2017-2018	Xiaohua Liang, MD PhD	Scholar Advisor
2018 Summer	Asma Daoudi, MD student	Research Advisor
2017 Summer	Jackson Montrym, MD student	Research Advisor
2015	Nicholas Todd Ross, MS	Internship Advisor
2013-2015	Xiaojing Xu, MD PhD	Postdoctoral Advisor
2012	Xiuhua Ding, PhD student	Research Advisor
2012 Summer	Daniel Rahe Belew, MD student	Research Advisor
2012 Summer	Lydia Youmans, MD student	Research Advisor

COMMUNITY ACTIVITIES

1. *Invited Manuscript Review*

Brain, Behavior, and Immunity
BMC: Genomics
BMC: Medicine Genomics
Circulation
Circulation: Cardiovascular Genetics
Circulation: Cardiovascular Quality and Outcomes
Clinical Epigenetics
Hypertension Research
Hypertension
International Journal of Environmental Research and Public Health
International Journal of Obesity
Journal of Affective Disorders
Journal of Genetics and Genomics
Journal of Pediatrics
Journal of Psychosomatic Research
Journal of the Renin-Angiotensin-Aldosterone System
Journal of Thrombosis and Haemostasis
Medicine
Pediatrics
Plos One
Psychosomatic Medicine

2. *Invited Abstract Review*

American Psychosomatic Society Annual Scientific Meeting, 2014, 2015, 2016, 2017, 2018

American Heart Association Scientific Session, 2016

3. *Invited Grant Review*

Fund for Scientific Research in Belgium 2013 February
NIH CASE study section 2013 October
NIH MESH study section 2014 October
NIH APDA study section 2016 October
NIH APDA study section 2017 October
NIH APDA study section 2018 June
NIH Anonymization Study 2018 November
NIH MESH study section 2019 February
NIH NINDS Diversity K01 and K22 Application 2020 March
NIH BGES study section 2021 June
NIH BGES study section 2021 October
NIH BGES study section 2022 February
NIH JERII 2022 September
NIH JERII 2023 October
NIH SEDH 2024 October
NIH SEDH 2025 February
NIH ZRGL 2025 July
NIH NMBH 2026 January

AU Research Advisory Committee (RAC) for the Intramural Grants Program,
2019/8, 2019/12, 2020/4, 2022/8, 2023/1, 2023/8

4. *Invited Working Group*

NIH/NHLBI: Social Determinants of Health: Early Life Adversity as a Contributor
to Disparities in Cardiovascular Diseases. May 21st – 22nd, 2018

PRESENTATIONS AT NATIONAL, REGIONAL AND STATE MEETINGS

1. American Heart Association 2006 Scientific Sessions, November 12-15, 2006; Chicago, Illinois. *Genetic and environmental influences on inflammatory markers: a study of middle-aged male twins. **Oral presentation***
2. American Heart Association 47th Annual Conference on Cardiovascular Disease Epidemiology and Prevention / Nutrition, Physical Activity, and Metabolism, February 28-March 3, 2007; Orlando, Florida. *Common genes contribution to depression and inflammation: a study of middle-aged male twins. **Oral presentation***
3. American Heart Association 47th Annual Conference on Cardiovascular Disease Epidemiology and Prevention / Nutrition, Physical Activity, and Metabolism, February 28-March 3, 2007; Orlando, Florida. *Common genes contribute to the correlation between heart rate variability and inflammation: the Twins Heart Study. Poster presentation*
4. American Heart Association 48th Annual Conference on Cardiovascular Disease Epidemiology and Prevention / Nutrition, Physical Activity, and Metabolism, March 11-March 15, 2008; Colorado Springs, Colorado. *Carotid Intima-Media Thickness and Cognitive Function in Middle-Aged Males. Poster presentation*
5. American Heart Association 49th Annual Conference on Cardiovascular Disease Epidemiology and Prevention / Nutrition, Physical Activity, and Metabolism, March 10-March 14, 2009; Palm Harbor, Florida. *Haplotypes of serotonin transporter gene associated with both depressive symptoms and interleukin-6 in middle-aged males: the Twins Heart Study.*

Oral presentation. Finalist for the Jeremiah and Rose Stamler Research Award for New Investigators

6. American Heart Association 50th Annual Conference on Cardiovascular Disease Epidemiology and Prevention / Nutrition, Physical Activity, and Metabolism, March 2-March 5, 2010; San Francisco, California. *Heritability of Myocardial Blood Flow Measurement by Positron Emission Tomography: the Twins Heart Study. Poster presentation*
7. American Heart Association 51th Annual Conference on Cardiovascular Disease Epidemiology and Prevention / Nutrition, Physical Activity, and Metabolism, March 22-March 25, 2011; Atlanta, Georgia. *Common genes contribute to the correlation between vitamin D and P-selectin: The Twins Heart Study. Poster presentation*
8. American Heart Association 51th Annual Conference on Cardiovascular Disease Epidemiology and Prevention / Nutrition, Physical Activity, and Metabolism, March 22-March 25, 2011; Atlanta, Georgia. *Epigenetic dysregulation in the immune system is associated with major depressive disorder. Poster presentation*
9. American Heart Association 53th Annual Conference on Cardiovascular Disease Epidemiology and Prevention / Nutrition, Physical Activity, and Metabolism, March 19-March 22, 2013; New Orleans, Louisiana. *Genomic and Epigenomic Integration Reveals LY86 as an Important Gene for Obesity. **Oral presentation. Recipient of the Scott Grundy Award for Excellence in Metabolism Research***
10. American Psychosomatic Society 71st Annual Scientific Meeting 2013, March 13-16, 2013; Miami, Florida. *Racial Differences in the Effects of Early-Life Stress on the Development of Depressive Symptoms in Young Adults. Poster presentation*
11. American Psychosomatic Society 72nd Annual Scientific Meeting 2014, March 12-March 15, 2014; San Francisco, California. *Adverse Childhood Experiences are Associated with Detrimental Hemodynamics and Elevated Circulating Endothelin-1 in Adolescents and Young Adults. **Oral presentation. Selected as being especially newsworthy***
12. American Psychosomatic Society 73rd Annual Scientific Meeting 2015, March 18-March 21, 2015; Savannah, Georgia. *Adverse Childhood Experiences and Blood Pressure Trajectories from Childhood to Young Adulthood: The Georgia Stress and Heart Study. **Oral presentation.***
13. American Psychosomatic Society 74th Annual Scientific Meeting 2016, March 9-March 12, 2016; Denver, Colorado. *Depression and Inflammation: Which Comes first? A longitudinal Monozygotic Twin Difference Study. **Oral presentation. Selected as being especially newsworthy***
14. American Psychosomatic Society 74th Annual Scientific Meeting 2016, March 9-March 12, 2016; Denver, Colorado. *Racial Disparities in the Effect of Adverse Childhood Experiences on Sleep Quality in Young Adults. Poster presentation. **Selected as being especially newsworthy***
15. American Heart Association 2016 Scientific Sessions, November 12-16, 2016; New Orleans, Louisiana. *Impact of Childhood Adversities on Blood Pressure Regulation in Real Life: Results from a 23-Year Longitudinal Study through Childhood to Young Adulthood. **Oral presentation***
16. American Psychosomatic Society 75th Annual Scientific Meeting 2017, March 15-18, 2017; Sevilla, Spain. *Plasma Endothelin-1 Release in Response to Acute Stress: Impact of Adverse Childhood Experiences. Oral presentation. **Invited Symposium***
17. American Psychosomatic Society 76th Annual Scientific Meeting 2018, March 7-10, 2018; Louisville, Kentucky. *Nocturnal Cortisol Rise and Nighttime Blood Pressure: Ethnicity Differences and Chronic Stress. Poster presentation.*
18. American Psychosomatic Society 76th Annual Scientific Meeting 2018, March 7-10, 2018; Louisville, Kentucky. *Influence of childhood adversity on metabolomic profiling in overnight urine. **Oral presentation***

19. American Psychosomatic Society 76th Annual Scientific Meeting 2018, March 7-10, 2018; Louisville, Kentucky. Depression Related DNA Methylation Changes: An Epigenome-wide Association Study. **Oral presentation**
20. Experimental Biology 2019, April 6-9, 2019; Orlando, Florida. DNA methylation as a mediator of the association between stress and depression: A genome-wide DNA methylation study. **Oral presentation**
21. Southern Regional Meeting 2020, February 15, 2020; New Orleans, LA. ACEs and the Epigenome: Mechanistic Insight into the Origins of Chronic Disease. **Invited Speaker.**
22. American Psychosomatic Society 80th Annual Scientific Meeting 2023, March 8-11, 2023, in San Juan, Puerto Rico. Impact of Psychosocial Stress in Early Life on DNA Methylation Pace of Aging in Young Adulthood. **Oral presentation**
23. American Physiology Summit 2024, April 4-7, 2024, in Long Beach, California. DNA Methylation Changes with Early Life Adversity and Beyond. **Invited Speaker.**
24. Society for Biopsychosocial Science and Medicine (SBSM) 83rd Annual Scientific Meeting, March 11-14, 2026, in Chicago, IL. Early Life Stress and Accelerated Aging - the Role of Inflammation. **Oral presentation**

MEETINGS, VISITING PROFESSORSHIPS

Institutional

1. Grand Rounds. Department of Psychiatry and Health Behavior. *Depression and Cardiovascular Disease: Is Inflammation a Link?* 2011 May 19.
2. Bioinformatics Journal Club. Department of Biostatistics and Epidemiology. *A Statistical Framework for Biomarker Discovery in Metabolomic Time Course Data.* 2012 March 8.
3. Seminar. Department of Psychiatry and Health Behavior. *Epigenetics in Major Depression and Cardiovascular Health: The EMAC Study.* 2013 March 8.
4. Seminar. Department of Family Medicine. *Epigenetics in Major Depression and Cardiovascular Health.* 2014 January 9.
5. Grand Rounds. Department of Pediatrics. *Early Life Stress and Cardiovascular Health.* 2015 January 16.
6. Seminar. Vascular Biology Center. *Early life stress and cardiovascular disease risk: epidemiology and potential mechanisms.* 2015 September 2.
7. Course PEDS 5086 seminar. Georgia Prevention Institute. *Introduction to Genetic Epidemiology.* 2016 February 4.
8. Grand Rounds, Department of Psychiatry and Health Behavior. *Early Life Stress, Heart and Brain Health.* 2017 February 23.
9. Course PEDS 5086 seminar. Georgia Prevention Institute. *Early Life Stress, Mind and Heart.* 2018 February 15.
10. Grand Rounds. Department of Pediatrics. *Epigenetic Mechanisms Linking Childhood Adversities with CVD, and the Role in Racial Health Disparities.* 2018 November 30.
11. Seminar. Georgia Prevention Institute. *DNA Methylation Changes with Early Life Adversity and Beyond.* 2024 April 24.

Regional

12. Seminar. Department of Medicine (Cardiology), Emory University School of Medicine. *Common Genetic and Environmental Contributions to Depression and Inflammatory Markers in Middle-Aged Men: The Twins Heart Study.* 2006 September 15.
13. Seminar. Department of Medicine (Cardiology), Emory University School of Medicine. *Introduction to Genetic Epidemiology: Genetic Association Analysis.* 2007 January 26.

14. Seminar. Cardiovascular Research Institute, Morehouse School of Medicine. *Introduction to Genetic Epidemiology: Genetic Association Analysis*. 2007 March 20.
15. Postdoctoral Research Symposium Best Poster Award. Emory University. *Genetic Vulnerability, Depression and Inflammation*. 2008 June 5.
16. Seminar. Department of Medicine (Cardiology), Emory University School of Medicine. *Genetic Vulnerability, Depression and Inflammation: Twins Heart Study*. 2009 February 6.
17. Seminar. Department of Medicine (Cardiology), Emory University School of Medicine. *Beyond Initial Genome Wide Association Studies: Imputation, Meta-Analysis and Functional Gene Network*. 2009 April 24.
18. Grand Rounds. Department of Epidemiology, Emory University School of Public Health. *Depression and Cardiovascular Disease: Is Inflammation a Link?* 2011 January 28.
19. Seminar. Department of Medicine (Cardiology), Emory University School of Medicine. *Analysis of High Dimensional Data: CART and MARS in Genetic Studies*. 2011 May 3.
20. Seminar. Department of Medicine, University of Alabama at Birmingham School of Medicine. *Depression and Cardiovascular Disease: Genetic and Epigenetic Views*. 2014 April 21.
21. UGA-MCG Working Group. University of Georgia at Athens (UGA) School of Public Health. *Early Life Adversity and Cardiovascular Health*. 2018 April 24.
22. Seminar. Department of Epidemiology, Emory University School of Public Health. *Georgia Stress and Heart Study*. 2018 April 29.

International

23. Seminar. Children's Hospital, Fudan University, Shanghai, China. *Depression and Cardiovascular Disease: Genetic and Epigenetic Views*. 2014 May 30.

ABSTRACTS

1. Lampert RJ, Bremner JD, **Su S**, Miller AH, Lee FA, Cheema F, Goldberger J, Vaccarino V. Decreased Heart Rate Variability, a Measure of Autonomic Dysfunction, is Associated with Higher Levels of Inflammation as Measured by IL-6. AHA Scientific Session 2006. *Circulation*. Oct 2006; 114: II_471.
2. Vaccarino V, Lampert R, Lee F, Bremner JD, **Su S**, Cheema FA, Goldberger J. Depression and Heart Rate Variability: Is there a Common Genetic Pathway? AHA Scientific Session 2006. *Circulation*. Oct 2006; 114: II_556.
3. Zhao J, Cheema FA, Bremner JD, Goldberger J, **Su S**, Snieder H, Maisano C, Jones L, Murrah NV, Vaccarino V. Heritability of Carotid Intima-Media Thickness: A Twin Study. AHA Scientific Session 2006. *Circulation*. Oct 2006; 114: II_837.
4. **Su S**, Snieder H, Miller AH, Ritchie J, Bremner JD, Goldberger J, Dai J, Jones L, Murrah NV, Zhao J, Vaccarino V. Genetic and environmental influences on inflammatory markers: a study of middle-aged male twins. AHA Scientific Session 2006. *Circulation*. Oct 2006; 114: II_839.
5. **Su S**, Miller AH, Snieder H, Bremner JD, Ritchie J, Maisano C, Jones L, Murrah NV, Goldberger J, Vaccarino V. Common genes contribute to depression and inflammation: a study of middle-aged male twins. 47th Annual Conference on Cardiovascular Disease Epidemiology and Prevention 2007. *Circulation*. 2007;115(8): e216.
6. **Su S**, Lampert R, Lee F, Bremner JD, Cheema F, Jawed F, Lindau F, Buckham R, Jones L, Murrah NV, Goldberger J, Vaccarino V. Common genes contribute to the correlation between heart rate variability and inflammation: the Twins Heart Study. 47th Annual Conference on Cardiovascular Disease Epidemiology and Prevention 2007. *Circulation*. 2007;115(8): e296.

7. Zhao J, Cheema FA, Reddy U, Bremner JD, **Su S**, Quyyumi AA, Goldberg J, Snieder H, Maisano C, Murrah NV, Jones L, Vaccarino V. Heritability of Flow-Mediated Dilation: A Twin Study. 47th Annual Conference on Cardiovascular Disease Epidemiology and Prevention 2007. *Circulation*. 2007;115(8): e300.
8. Vaccarino V, Brennan M, Bremner JD, Lindau F, Jawed F, **Su S**, Jones L, Goldberg J, Hazen SL. Major Depression is Associated with Elevated Levels of Serum Myeloperoxidase. AHA Scientific Session 2007. *Circulation*. Oct 2007; 116: II_532.
9. Wang X, Ding X, Li Z, **Su S**, Thayer JF, Treiber FA, Snieder H. Genetic Influences on Heart Rate Variability at Rest and in Response to Stress. 48th Annual Conference on Cardiovascular Disease Epidemiology and Prevention 2008. *Circulation*. 2008; 117(11): e259.
10. Li Z, Snieder H, Ding X, **Su S**, Thayer JF, Treiber FA, Wang X. Ethnic and Gender Differences in Heart Rate Variability at Rest and in Response to Stress: A Longitudinal Study in Youth and Young Adults. 48th Annual Conference on Cardiovascular Disease Epidemiology and Prevention 2008. *Circulation*. 2008; 117(11): e269.
11. **Su S**, Goldstein F, Bremner JD, Cheema FA, Zafari M, Levey A, Veledar E, Wilson PW, Vaccarino V. Carotid Intima-Media Thickness and Cognitive Function in Middle-Aged Males. 48th Annual Conference on Cardiovascular Disease Epidemiology and Prevention 2008. *Circulation*. 2008; 117(11): e281.
12. Vaccarino V, Bremner JD, Votaw J, Faber T, Veledar E, Murrah NV, Jones L, Dai J, Zhao J, **Su S**, Goldberg J. Major Depression is Associated with Decreased Coronary Flow Reserve Detected by Positron Emission Tomography. AHA Scientific Session 2008. *Circulation*. Oct 2008; 118: S_976 - S_977.
13. Wang X, Ding X, **Su S**, Harshfield G, Treiber F, Snieder H. Genetic influences on daytime and nighttime blood pressure: similarities and differences. 62nd Council for High Blood Pressure Research. September 17-20, 2008, Atlanta, GA.
14. **Su S**, Zhao J, Bremner JD, Miller AH, Bouzyk M, Tang W, Snieder H, Goldberg J, Vaccarino V. Haplotypes of serotonin transporter gene associated with both depressive symptoms and interleukin-6 in middle-aged males: the Twins Heart Study. 49th Annual Conference on Cardiovascular Disease Epidemiology and Prevention 2009.
15. Wang X, Ding X, **Su S**, Harshfield G, Treiber F, Snieder H. Genetic influence on blood pressure measured in the office, under laboratory stress and during real life. 49th Annual Conference on Cardiovascular Disease Epidemiology and Prevention 2009.
16. Wang X, **Su S**, Zhu H, Ding X, Thayer JF, Treiber F, Snieder H. A gene-wide association study of heart rate variability at rest and during stress: eight genes in the parasympathetic pathway. 49th AHA Annual Conference on Cardiovascular Disease Epidemiology and Prevention 2009.
17. **Su S**, Votaw J, Faber T, Khan D, Bremner JD, Goldberg J, Vaccarino V. Heritability of Myocardial Blood Flow Measurement by Positron Emission Tomography: the Twins Heart Study. 50th Annual Conference on Cardiovascular Disease Epidemiology and Prevention 2010.
18. **Su S**, Karohl C, Vaccarino V, Veledar E, Tangpricha V, Miller A, Raggi P. Common genes contribute to the correlation between vitamin D and P-selectin: The Twins Heart Study. 51th Annual Conference on Cardiovascular Disease Epidemiology and Prevention 2011.
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Editorial on my publications

1. Howe LD, Tilling K, Lawlor DA. Studying the life course health consequences of childhood adversity: challenges and opportunities. *Circulation*. 2015 May 12;131(19):1645-7. PMCID: PMC4457277. **On publication #60.**
2. Dratva J. One step further toward a targeted screening program. *Hypertension*. 2017 Mar;69(3):409-410. **On publication #67.**