Monica Uddin, PhD

CONTACT INFORMATION — Updated Oct. 2025

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EDUCATION

1993	**BA** in Human Biology (with honors and distinction). Stanford University, Stanford, CA.
2003	**PhD** in Biological Anthropology New York University, New York, NY. Area of Concentration: Molecular Anthropology
2003-2004	**Postdoctoral Fellowship** Center for Molecular Medicine & Genetics Wayne State University School of Medicine, Detroit, MI.

PROFESSIONAL APPOINTMENTS

I. Academic Research

8/2018-present	**Professor**, *University of South Florida*, College of Public Health, Department of Global, Environmental and Genomic Health Sciences, Tampa, FL.
2018	**Richard and Margaret Romano Professorial Scholar**, *University of Illinois-Urbana Champaign*, Urbana-Champaign, IL.
8/2014-8/2018	**Associate Professor**, *University of Illinois-Urbana Champaign*, Department of Psychology; Core Faculty, Carl R. Woese Institute for Genomic Biology; Faculty affiliate, Beckman Institute (2015-2018), Urbana-Champaign, IL.
5/2011-7/2014	**Assistant Professor**, *Wayne State University School of Medicine*, Center for Molecular Medicine and Genetics and Department of Psychiatry & Behavioral Neurosciences, Detroit, MI.
1/2011-5/2011	**Research Assistant Professor**, *University of Michigan School of Public Health*, Department of Epidemiology, Ann Arbor, MI.
2009-2010	**Assistant Research Scientist**, *University of Michigan School of Public Health*, Department of Epidemiology, Ann Arbor, MI.
2005-2008	**Research Scientist**, *Wayne State University School of Medicine,* Center for Molecular Medicine & Genetics, Detroit, MI.

SERVICE ACTIVITIES

I. Disciplinary Professional Service

2019-present	**External Reviewer** of tenure and promotion applications (national and international).
2025	**Reviewer of Breslau/Murphy and Robins/Guze Early Career Award Candidates** on behalf of the American Psychopathological Association.
2024	**Abstract reviewer**, American Psychopathological Association
2022 (Fall)	**Abstract Reviewer**, International Congress of Human Genetics
2018-2022	**Mental Health Task Force Leader**, H3Africa Consortium.
2014-2019	**Membership Chair,** American Psychopathological Association (elected position).
2014-2019	**Council Member**, American Psychopathological Association (elected position). This organization has rich and well-established history; however, its membership was restricted to individuals who were able to secure two letters of nomination by current members. This rule, written into the APPA constitution, perpetuated a membership that mirrored its historical members (i.e. largely white and significantly lacking in diversity). As membership chair, I worked over two years to update the APPA constitution to ensure that any interested individual could join, thereby laying the foundation to enable new members that better reflect the diversity in the field.
2014-2019	**Reviewer of Robins/Guze Early Career Promise Applicants** on behalf of the American Psychopathological Association
2014-2019	**Early Career and New Investigator Roundtable Discussion Organizer**, Annual Meeting of the American Psychopathological Association, New York, NY.
2015 (Spring)	**Judge**, Student Research Showcase, Sigma Xi Foundation
2013-2014	**Scientific advisory board member**, Michigan Biotrust
2010-2019	**Academic Editor**, *PLoS One*
2011-present	**Editorial Board Member,** *Frontiers*
2024-present	**Editorial Board Member,** *Genomic Psychiatry*

II. Review Activities

A. Grant Review Panels

2023-present	Ad hoc reviewer, NIH
2019-2023	Standing member, NIH Biobehavioral Mechanisms of Emotion, Stress and Health
2018	NIMH BRAINS reviewer
2018	NIH Mechanisms of Emotion, Stress and Health, AdHoc Reviewer
2017	NSF Career Grant AdHoc Reviewer
2016-2017	National Institute for Occupational Safety and Health, Centers for Disease Control, World Trade Center Program Reviewer
2015	NIH Mechanisms of Emotion, Stress and Health, AdHoc Reviewer
2015	UK Economic and Social Research Council, AdHoc Reviewer
2015	Deutsche Forschungsgemeinschaf (German Research Foundation), AdHoc Reviewer

2014-2015	VA Review Panel Member, Special Panel on Genomics
2012	Netherlands Organisation for Health Research and Development (ZonMw)
2011	NIH Behavioral Genetics and Epidemiology Early Career Reviewer

B. Manuscript Reviewer (ongoing)
Proceedings of the National Academy of Sciences (USA); *Translational Psychiatry; Stress and Health; American Journal of Psychiatry*; *American Journal of Epidemiology; Biological Psychiatry*; *Neuropsychopharmacology*; *Cell Stem Cell*; *Depression and Anxiety*; *Epigenomics*; *Frontiers in Genetics*; *Frontiers in Neuroscience; Psychoneuroendocrinology*; *Journal of Health and Place*; *Journal of Psychiatric Research*; *International Journal of Epidemiology*; *Journal of Neuroinflammation*; *Childhood Development*; *Psychiatry Research*; *PloS ONE*; *Journal of Traumatic Stress*; *Social Science and Medicine*; *Behavioral and Brain Functions*; *Social Psychiatry and Psychiatric Epidemiology*; *Developmental Psychology*; *Molecular Phylogenetics and Evolution*; *BMC Evolutionary Biology*; *BMC Bioinformatics*; *American Journal of Primatology.*

III. Departmental and University Service

2025-present	**Faculty Lead**, Genomics and Computational Sciences Area, Department of Global, Environmental and Genomic Health Sciences, College of Public Health, *University of South Florida.*
2024-2025	**Faculty Lead**, Genomics Concentration, MPH Program, College of Public Health, *University of South Florida.*
Mar. 2024	**Judge, USF Graduate and Professional Research Symposium**, *University of South Florida*
2023-2024	**Faculty Advisor, Minority Association of Pre-Health Students**, *University of South Florida.* I served as the inaugural faculty advisor for a new group on campus focused on accelerating the development of pre-health students from underrepresented backgrounds. The students approached me to be their advisor during a particularly difficult time in Florida for any diversity-related initiatives.
2022-2023	**Chair, Publications Council**, *University of South Florida.*
2022-2023	**Faculty Senate Executive Committee Member**, *University of South Florida.*
2022-2023	**Faculty Senator**, *University of South Florida.*
2022-present	**Research Committee Member**, College of Public Health, *University of South Florida.*
2021-2025	**Faculty Lead**, Genomics Concentration, PhD in Public Health, College of Public Health, *University of South Florida.*
2020-present	**Publications Committee Member,** *University of South Florida*
2021-2022	**Faculty Search Committee Member**, Genomics Program Faculty Search, College of Public Health, *University of South Florida*.
2022-2024	**Faculty Evaluator,** Florida Public Health Outstanding Woman of the Year.
Mar. 2022	**Judge, USF Graduate and Professional Research Symposium**, *University of South Florida*
2019-2020	**Faculty Search Committee Member**, Metagenomics Faculty Search, Genomics Program College of Public Health, *University of South Florida.*

2019-2020	**Faculty Search Committee Member**, Metagenomics Faculty Search, Morsani College of Medicine, *University of South Florida.*
2018-2025	**Genomics Working Group Member**, Genomics Program, College of Public Health, *University of South Florida*
2018-2019	**Annual Symposium Coordinator**, Genomics Program, College of Public Health, *University of South Florida*
2017-2018	**Faculty Search Committee Member**, Neuroscience Focus, Department of Comparative Biosciences, School of Veterinary Medicine*, University of Illinois at Urbana-Champaign.*
2017-2018	**Grievance Committee**, Neuroscience Program, *University of Illinois at Urbana-Champaign*
2017 (Fall)	**Faculty Mentor**, NIH Grant Writing Series, *University of Illinois at Urbana-Champaign*.
2016 (Spring)	**Campus Research Board Reviewer**, *University of Illinois at Urbana-Champaign*.
2016-2018	**Undergraduate Studies Committee Member**, Department of Psychology, *University of Illinois at Urbana-Champaign*.
2016 (Spring)	**CompGen Executive Committee Member**, *University of Illinois at Urbana-Champaign.*
2015-2016	**Grievance Committee**, Neuroscience Program, *University of Illinois at Urbana-Champaign* (elected position).
2015 (Spring).	**Seminar director**, Human Sociogenomics lecture series, Carl R Woese Institute for Genomic Biology, *University of Illinois Urbana-Champaign*, Urbana, Il.
2014 (Winter)	**Brain Research Foundation Seed Grant Reviewer**, *University of Illinois at Urbana-Champaign.*

AWARDS AND HONORS

- Outstanding Research Achievement Award, University of South Florida (2022).
- Richard and Margaret Romano Professorial Scholar, University of Illinois at Urbana-Champaign (2018).
- Elected Fellow, American Psychopathological Association (2018).
- Membership Chair and Officer, American Psychopathological Association (elected positions; 2014-2019).
- Invited participant, workshop on Social and Behavioral Epigenetics (2014).
- Dr. Jack Ryan Award for meritorious research proposal, Wayne State University School of Medicine (2013).
- Robins/Guze Award for Early Career Promise, American Psychopathological Association (2012).
- Young Scholar Travel Fellowship, University of Michigan (2010).
- Systems Biology Symposium Poster Prize Award Winner, University of Michigan (2009).
- Wayne State University Postdoctoral Fellowship (2003-2004).
- Best Postdoctoral Poster, Center for Molecular Medicine and Genetics Retreat (2002).
- Graduate Fellowship, New York University (2002).
- New York Consortium in Evolutionary Primatology (NYCEP) Fellowship (2001).
- Sokol Predoctoral Research Travel Award (2000).

- New York University Student Travel Award (2000, 2002).
- Henry Mitchell MacCracken Scholarship (1996-1999).
- Stanford University Human Biology Commencement Speaker (1993).
- Cap and Gown Society Member (Stanford Women's Honor Society). (1993-present).

PROFESSIONAL MEMBERSHIPS

American Psychopathological Association (fellow)
Society of Biological Psychiatry
Sigma Xi Society for Scientific Research
American Association for the Advancement of Science
Psychiatric Genomics Consortium, PTSD Working Group

GRANT SUPPORT

Current Funding:

Wellcome Trust Mental Health Award 4/1/2025-3/31/2029
Role: Contact PI
Understanding how Genocide-Associated Lived Experience Impacts Post-Traumatic Stress Disorder in Rwanda
This project seeks to identify genocide-induced epigenetic changes that increase risk for PTSD and are transmitted between generations.
Amount: $2,800,000; Linked with sister award to the University of Rwanda for $2,200,000 that was generated from the same application.

2R01MD011728 *National Institute of Minority Health and Health Disparities* 8/16/17-5/31/26
Role: Contact PI
Epigenomic Predictors of PTSD and Traumatic Stress in an African American Cohort
This project will characterize how social adversity influences epigenomic processes that elevate risk for stress-related psychopathology among African-Americans.
Amount: $2,835,169

2R01MH108826 *National Institute of Mental Health* 08/18/16-05/31/26 (NCE)
Role: MPI, Subcontract PI
The impact of traumatic stress on the methylome: implications for PTSD
The purpose of this study is to facilitate an epigenome-wide association study (EWAS) of PTSD in participating cohorts in Psychiatric Genomics Consortium (PGC) PTSD workgroup.
Amount: $5,440,852

Previous Funding:

U01 MH115485 *National Human Genome Research Institute* 9/20/17-6/20/22
Role: MPI
Transgenerational Epigenomics of Trauma and PTSD in Rwanda
The goal of this project is to characterize the transgenerational genomic impact of genocide exposure and PTSD in women survivors of the Rwandan genocide and their offspring and to build scientific capacity in Rwanda and elsewhere in Africa.
Amount: $1,299,907

University of South Florida (USF) Health 9/30/21-6/01/23
Role: PI
Epigenetic profiles of treatment resistant depression and response to transcranial magnetic stimulation
The goal of this award is to identify epigenetic profiles of treatment-resistant depression and predictors of response to treatment with transcranial magnetic stimulation.
Amount: $55,000

Sigma Xi Grant-in-Aid-of-Research Award 2021
Role: Mentor
Differentially expressed genes following glucocorticoid exposure in microglia as potential biomarkers of PTSD.
Amount: $986.

BCS 16-20239 *National Science Foundation* 09/15/16 – 08/14/21
Role: Co-PI (PI: Malhi)
IBSS-L: Epigenomic Effects of European Colonization on Alaskan Natives
The purpose of this Alaskan community-based research is to examine the epigenomic effect resulting from the European colonization of indigenous peoples of the Americas and consequential adverse health.
Amount: $860,000

1R01AI129788 *National Institute of Allergy and Infectious Diseases* 11/15/16-10/31/21
Role: Co-I, Subcontract PI (PI: Nagarkatti)
Epigenetic Mechanism of T cell dysregulation in PTSD
This project will test the hypothesis that PTSD associates, at least in part, with dysregulation in the epigenetic mechanisms that alter the nuclear factor of activated T cells (NFAT) signaling pathway leading to a pro-inflammatory state.
Subcontract Amount: $72,421

University of South Florida (USF) Health 1/9/20-6/30/21
Role: PI
The role of human gut microbiota in treatment resistant depression and response to transcranial magnetic stimulation.
The goal of this award is to characterize the gut microbiome composition and function among patients with treatment-resistant depression, and to assess changes in gut microbiota in response to treatment with transcranial magnetic stimulation.
Amount: $52,000

R01 MD011728-02S1 *Office of Research on Women's Health* 9/1/18-8/31/2019
Role: PI
Epigenomic Predictors of PTSD and Traumatic Stress in an African American Cohort (Administrative Supplement)
This project will expand sample testing to enable analyses of potential sex-specific epigenetic signatures of stress-related psychopathology among African-Americans.

2R01 GM082937 *National Institute of General Medical Science*s 09/21/15 – 06/30/20
Role: Collaborator (PI: Bell)
Epigenetic mechanisms and consequences of fathering in sticklebacks
The goal of this work is to understand the behavioral, molecular and epigenetic mechanisms that contribute to the effects of fathering on offspring, using three-spined stickleback fish as a model organism.
Amount: $1,348,000

U01 DK106908 *National Institute of Diabetes, Digestive and Kidney Disease* 08/15/15-06/30/20
Role: Consultant (PI: Rickey)
Prevention of Lower Urinary Tract Symptoms in Women: Yale Bladder Health Clinical Center
The objective of this work is to demonstrate how we can build the knowledge base for bladder health using Ecological Systems Theory as a guiding framework, an approach that addresses risk factors at the individual, family/peer, and community levels.
Amount: $1,600,000

Research for Health in Humanitarian Crises (r2hc) 4/1/18-3/31/20
Role: Co-I; Jansen (PI)
Evaluating the Biological, Psychological and Social Impact by Promoting Positive Masculinity through the 'Living Peace' Program in the DRC
This project will conduct a randomized control trial of men in Goma, Eastern Democratic Republic of Congo, to objectively evaluate the impact of the Living Peace intervention on reducing gender-based violence and PTSD symptoms.
Amount: £440,041 (prime)

R01 MH103291 (Supplement) *National Institute of Mental Health* 09/1/16-08/31/19
Role: Subcontract PI; McLaughlin (PI)
Child Trauma and the Development of Neural Systems Underlying Emotion Regulation
This research examines the impact of childhood trauma on the development of neural networks involved in emotion regulation. It also seeks to identify epigenetic biomarkers of environmental adversity that associate with neural phenotypes of emotion regulation.
Amount: $180,748; Subcontract Amount: $18,489

University of Illinois Health Disparities Initiative 2016
Role: PI
Leukocyte transcriptome and Risk of PTSD in a Prospective Cohort of African Americans
This project seeks to characterize how leukocyte-derived RNA expression before and after trauma exposure shapes risk of post-traumatic stress disorder (PTSD). in African-Americans.
Amount: $90,000

Office of the Vice Chancellor for Research, University of Illinois 2016
Role: PI
Epigenetic and Neural Correlates of the Transgenerational Transmission of PTSD in Rwanda
The goal of this travel grant is to conduct an in-person visit to strengthen an existing collaboration with investigators from the University of Rwanda, in order to investigate the

transgenerational epigenetic effects of post-traumatic stress disorder (PTSD). and trauma exposure in women survivors of the Rwandan genocide.
Amount: $4,000

Research for Health in Humanitarian Crises (r2hc) 2016
Role: Co-I; Jansen (PI)
Evaluating the Biological, Psychological and Social Impact by Promoting Positive Masculinity through the 'Living Peace' Program in the DRC
This seed funding will facilitate the development of a full proposal with the goal of conducting a randomized control trial of men in Goma, Eastern Democratic Republic of Congo, to objectively evaluate the impact of the Living Peace intervention on reducing gender based violence and PTSD symptoms, as well as assess changes in stress-related genomic biology.
Amount: £5,600

Centers for Disease Control 2014-2016
Role: Consultant; Luft (PI)
Deciphering Biological Linkages between PTSD and Respiratory Disease in WTC Responders
This work seeks to uncover the biologic mechanisms, including epigenetic, gene expression, and cytokine levels, linking PTSD and respiratory disease in world trade center responders
Amount: $998,324

Children's Research Center of Michigan 2014
Role: MPI (with V Diwadkar)
Risk for Schizophrenia: Epigenetics, Stress and Impact on Brain Network Function
This work seeks to understand how epigenetic factors mediate the disordered stress response in adolescents at genetic high risk for schizophrenia, and how these factors in turn will predict dysfunction in schizophrenia-associated brain networks
Amount: $25,000

Brain and Behavior Research Foundation Young Investigator Award 2012-2014
Role: Collaborator (PI M Thomason)
Neural and epigenetic bases of PTSD in youth
The proposed research aims to elucidate epigenetic and neurobiological factors that contribute to pediatric PTSD, with an additional aim toward discovering reliable risk factors to serve as targets for future intervention
Amount: $60,000

The Michigan Bloodspot Environmental Epidemiology Project 2013
Role: Co-I (PI: C Trentacosta)
Gene-Environment Interplay and Young Children's Executive Functioning
The proposed work will explore the roles of family and neighborhood-level socioeconomic position during the prenatal period and early childhood and genetic and epigenetic processes in the emergence of differences between twins in executive functioning
Amount: $25,000

The Michigan Bloodspot Environmental Epidemiology Project 2013

Role: Co-I (PI: A Simanek)
Intergenerational Impact of Maternal Psychosocial Stress on Offspring Health Outcomes as Mediated by Maternal Immune Response to Persistent Pathogens in Pregnancy
This project examines the association between maternal experience of traumatic events during pregnancy, exposure of offspring to elevated maternal immune response to persistent pathogens *in utero*, and presence of anxiety disorders in offspring of females from Detroit
Amount: $25,000

OVPR Faculty Award Program, Wayne State University 2012-2014
Role: PI
This award was funded following a university-wide competition and provides supplemental funding for a postdoctoral fellow in the Uddin laboratory
Amount: $60,000

BCS-0827546 *National Science Foundation* 2008-2013
Role: Consultant (PI: D Wildman)
Collaborative Research: Evolutionary Origins of the Brain Energetics and Adaptive Plasticity of Humans
The purpose of this research is to understand the evolution of the human brain, particularly plasticity Approaches being used include PET scans, microarray analysis, next generation sequencing, and evolutionary population genetics
Amount: $1,771,119

Jack Ryan Award, Wayne State University School of Medicine 2013
Role: PI
Epigenetic dysregulation and brain network disruption in obsessive-compulsive disorder (OCD)
The overall goal of the proposed work is to determine the impact of epigenetic dysregulation in serotonin- and dopamine-related genes on brain networks in OCD
Amount: $2,000

American Association of Anatomists Postdoctoral Fellowship 2013
Role: Mentor
The goal of this award is to support the career development of postdoctoral fellow Lisa Nevell Through the support of these funds, Dr Nevell is using cell culture approaches to investigate the functional consequences of adaptive evolution of cis-regulatory regions implicated in human neuronal plasticity
Amount: $20,000

R01 DA022720-S1 *National Human Genome Research Institute* 2011-2012
Role: Collaborator (PI A Aiello)
Ecological stressors, PTSD, and drug use in Detroit (supplement)
To investigate the interrelationships among genetic variation, neighborhood-level stressors, and complex diseases known to be frequently comorbid with PTSD, specifically illicit drug use and coronary artery disease
Amount: $100,000

R01 DA022720-S1 *National Institute on Drug Abuse* 2009-2012
Role: Co-I (PI A Aiello)
Ecological stressors, PTSD, and drug use in Detroit (supplement)
To assess how gene X social environment interactions influence the risk of PTSD and other psychopathologies in a population-representative cohort of adult Detroit residents
Amount: $1,063,870

R01-DA022720 *National Institute on Drug Abuse* 2007-2012
Role: Co-I (PI A Aiello)
Ecological stressors, PTSD, and drug use in Detroit
To assess how neighborhood-level ecologic factors influence risk of PTSD and other psychopathologies in a population-representative cohort of adult Detroit residents
Amount, $3,181,614

MH088283-01 *National Institute of Mental Health* 2009-2011
Role: Co-I (PI A Aiello)
Candidate epigenetic biomarkers for PTSD: insights from Detroit
The goal of this study was to assess whether methylation profiles differ among individuals with current PTSD compared to those who have once had PTSD but are now PTSD free, and individuals who have never had the disorder
Amount: $996,421

BCS-0550209 *National Science Foundation* 2006-2011
Role: Co-I (PI L Grossman)
Genotypic and Phenotypic Changes Associated with Encephalization
The goal of this grant was to investigate whether brain important genes associated with encephalization in humans also show adaptive change in other mammalian lineages with evidence of increased encephalization
Amount: $446,594

Robert Wood Johnson Health & Societies Scholar Small Grant Program 2009-2010
Role: PI
Social Context and the Epigenetics of Post-traumatic Stress Disorder (PTSD).
The goal of this grant was to determine whether socioeconomic position modified PTSD-associated DNA methylation profiles
Amount: $23,760

OVPR Faculty Grants & Award Program, University of Michigan 2009-2010
Role: PI
Epigenetics of Post-traumatic Stress Disorder (PTSD)
The goal of this grant was to assess whether DNA methylation profiles differ among trauma exposed individuals with and without PTSD
Amount: $15,000

National Science Foundation Doctoral Dissertation Improvement Grant 2001

Role: Co-I (PI CJ Jolly)
Genetic Transposition of Baboon Endogenous Virus (BaEV) in Hybrid Old World Monkeys (Primates: *Papionini*)
The goal of this project was to determine the extent of copy number and DNA sequence variation in BaEV in a multiple wild primate populations, and to identify the social structures that influenced this variation
Amount: $4,800

Wenner-Gren Foundation for Anthropological Research Small Grant Award 2000
Role: PI
Genetic Transposition of Baboon Endogenous Virus (BaEV) in Ethiopian Hybrid Baboons
The goal of this project was to determine the extent of copy number and DNA sequence variation in BaEV in a wild baboon population
Amount: $7,700

Sigma Xi Grant-in-Aid-of-Research Award 1999, 2000
Role: PI
Genetic Transposition of Baboon Endogenous Virus (BaEV) in Ethiopian Hybrid Baboons
The goal of this project was to verify whether BaEV copy number and DNA sequence variation existed in a wild baboon population
Amounts: $700 (1999), $800 (2000).

PEER REVIEWED PUBLICATIONS

(*indicates papers with corresponding author status; +indicates author is a student whom I mentored).

1. Dahrendorff J+, Pages K, Currier G, Sarjer MMH, Graham Z, Louis-Jacques A, Dagne G, **Uddin M*. (**in press). Epigenetic profiles of response to transcranial magnetic stimulation in treatment resistant depression. *BMC Med Genomics*
   *** First author is a PhD student in the Uddin lab.

2. Wei K, Xue F, Xu Q, Yuan Y, Zhang Y, Qin G, Wani AH, Aiello AE, Wildman DE, **Uddin M**, Qu A. (in press). Time-varying mediation analysis for incomplete data with application to DNA methylation study for PTSD. *Ann Appl. Stat*.

3. Wildman DE, **Uddin M**, Mutesa L. Intergenerational epigenetic inheritance in relation to trauma exposure to genocide. (2025). *Médicine de la Reproduction*. 27: 32-40. doi: 10.1684/mte.2025.1043.

4. Smith AK, Katrinli S, Maihofer AX, Aiello AE, Baker DG, Boks MP, Brick LA, Chen C, Dalvie S, Fani N, Fortier CB, Gelernter J, Geuze E, Gillespie CF, Hayes JP, Hong S, Kessler RC, King AP, Koen N, Koenen KC, Liberzon I, Linnstaedt SD, McLean SA, Michopoulos V, Milberg WP, Miller MW, Mufford MS, Nugent NR, Orcutt HK, Powers A, Rauch SAM, Ressler KJ, Risborough VB, Rutten BPF, Smoller JW, Stein DH, Stein MB, Ursano RJ, Verfaellie MH, Vermetten E, Vinkers CH, Wani AH, Ware EB, Wildman DE, Wolf EJ, Zhao Y, Logue MW, Nievergelt CM, **Uddin M**, Zannas AS, PGC PTSD Epigenetics Workgroup,

PsychENCODE PTSD Brainomics Project, Traumatic Stress Brain Research Group. (2025). Cell-type specific and inflammatory DNA methylation patterns associated with PTSD. *Brain Beh. Immun.* 128:540-8. doi: 10.1016/j.bbi.2025.04.031. PMID: 40286993.

5. Zhao X, Katrinli S, McCormich BM, Miller MW, Nugent NR, Wani AH, Zannas AS, Aiello AE, Baker DG, Boks MP, Chen C, Fortier CB, Gelertner J, Geuze E, Koenen KC, Linnstaedt SD, Luykx JJ, Maihofer AX, MClean SA, Milber WP, Ratanatharathorn A, Ressler KJ, Risborough VB, Rutten BP, Smoller JW, Stein MB, Ursano RJ, Vermetten E, Vinkers CH, Ware EB, Wildman DE, Zhao Y, PGC-PTSD Epigenetics Workgroup, Logue MW, Nievergelt CM, Smith AK, **Uddin M**, Wolf EJ. (2025). PTSD and epigenetic aging: a longitudinal meta-analysis. *Psychol. Med*. 55:3142. doi: 10.1017/S0033291725000558. PMID: 40366073. PMCID: PMC12094664.

6. Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, Adams, MJ, Streit F, et. al. (2025). Trans-ancestry genome-wide study of depression identifies 697 associations implicating cell types and pharmacotherapies. *Cell.* 188:640-52. doi: 10.1016/j.cell.2024.12.002. PMID: 39814019. PMCID: PMC11829167.
**Three first authors are listed from a list of >200 authors

7. Wani AH Katrinli S, Zhao X, Daskalakis NP, Zannas AS, Aiello AE, Baker DG, Boks MP, Brick LA, Chen C, Dalvie S, Fortier C, Geuze E, Hayes JP, Kessler RC, King AP, Koen N, Liberzon I, Lori A, Luykx JJ, Maihofer AX, Milberg W, Miller MW, Mufford MS, Nugent NR, Rauch R, Ressler KJ, Risborough VB, Rutten BP, Stein DJ, Stein MB, Ursano RJ, Verfaellie MH, Vermetten E, Vinkers CH, Ware EB, Wildman DE, Wolf EJ, Nivergelt CM, Logue MW, Smith AK, **Uddin M*.** (2024). Blood-based DNA methylation and exposure risk scores predict PTSD with high accuracy in military and civilian cohorts. *BMC Med Genomics* 17:235. doi: 10.1186/s12920-024-02002-6. PMID: 39334086. PMCID: PMC11429352.

8. Yuan Y, Xu Qu, Wani A, Dahrendorff J+, Wang C, Donglasan J, Burgan S, Graham Z, **Uddin M**, Wildman DE, Qu A. (2024). Differentially expressed heterogeneous overdispersion genes testing for count data. *PLoS One.* 19(7):e0300565. doi: 10.1371/journal.pone.0300565. PMID: 39018275. PMCID: PMC11253971.

9. Nievergelt CM, Maihofer AX, Atkinson EG, et. al. (2024). Discovery of 95 PTSD loci provides insight into genetic architecture and neurobiology of trauma and stress-related disorders. *Nat Genet.* 56:792-808. doi: 10.1038/s41588-024-01707-9. PMID: 38637617
**Three first authors are listed from a list of >200 authors

10. Dahrendorff J+, Currier G, **Uddin M***. (2024) Leveraging DNA methylation to predict treatment response in major depressive disorder: a critical review. doi: 10.1002/ajmg.b.32985 PMID: 38650309.
*** First author is a PhD student in the Uddin lab.

11. Bonumwezi JL, Grapin SL, **Uddin M**, Coyle S, Habintwali, Lowe SR. (2024). Intergenerational trauma transmission through family psychosocial factors in adult children

of Rwandan survivors of the 1994 genocide against the Tutsi. 348:116837. doi: 10.1016/j.socscimed.2024.116837. PMID: 3879628.

12. Martinez RAM, Howard AG, Fernández-Rhodes L, Maselko J, Pence BW, Dhingra R, Galea S, **Uddin M**, Wildman DE. Aiello AE. (2024). Does biological age mediate the relationship between childhood adversity and depression? Insights from the Detroit Neighborhood Health Study. *Soc Sci Med.* 340:116440. doi: 10.1016/j.socscimed.2023.116440 PMID: 38039767 PMCID: PMC10843850.

13. Meng X, Navoly G, Giannakopoulou, et. al. (2024). Multi-ancestry genome-wide association study of major depression aids locus discovery, fine-mapping, gene prioritization and causal inference. *Nat Genet.* 56:222-233. doi: 10.1038/s41588-023-01596-4. PMID: 38177345. PMCID: PMC10864182
**Three first authors are listed from a list of >85 authors

14. Dahrendorff J+, Wani AH, Keller T, Armstrong D, Qu A, Wildman DE, Valero MC, Koenen KC, Aiello AE, **Uddin M*.** (2023). Analysis of post-traumatic stress disorder gene expression profiles in a prospective, community-based cohort. *Hum Biol.* 95:33-47. doi: 10.1353/hub.2017.a935047. PMID: 39619252. PMCID: PMC1160654
*** First author is a PhD student in the Uddin lab.

15. Rogers-Lavanne MP, Bader AC, de Flamingh A, Saboowala S, Smythe S, Atchison B, Moulton N, Wilson A, Wildman DE Borass A, **Uddin M**, Worl R, Malhi RS. (2023). Association between gene methylation and experiences of historical trauma in Alaskan Native peoples. *Int J Equity Health*. 22:182. PMID: 37679827 PMCID: PMC10485934. doi: 10.1186/s12939-023-01967-7.

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*This paper was based on my undergraduate honors thesis

BOOK CHAPTERS, BOOK REVIEWS AND SOLICITED COMMENTARY

(*indicates contributions with corresponding author status; +indicates author is a student whom I mentored).

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2. Cusack S, Sheerin C, Bountress K, **Uddin M**, Nugent NR, Koenen KC, Amstadter AB. (2021). Genetics and Genomics of Post-traumatic Stress Disorder. In: Beck JG and Sloan D (eds), *The Oxford Handbook of Traumatic Stress Disorders* (New York, NY: Oxford University Press). pp. 1-26. DOI: 10.1093/oxfordhb/9780190088224.013.13.

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11. **Uddin M*,** Bustamante A^{+}, Toyokawa S (2014). Epigenetic epidemiology of psychiatric disorders In: Avramopoulos D, Grayson DR, and Peedicayil J (eds). *Epigenetics in Psychiatry* (Waltham, MA: Elsevier), pp 101-127

12. Koenen KC, Guffanti G, Yan L, Haloossim M, **Uddin M**, Nugent NR, Amstadter AB (2014). Genetics of PTSD In Friedman MJ, Keane TM and Resick PA (eds). *Handbook of PTSD: Second Edition* (New York, NY: The Guildford Press). pp 300-312

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INVITED ORAL PRESENTATIONS

1. **Uddin M**, Gray HL and Clayton G. Fostering Diversity and Equity in Health Services. Panel discussion organized by the Pre-Health Association of Minority Students. University of South Florida, **Apr. 2023.**

2. **Uddin M and Wildman DE.** Social and environmental determinants of health. 9th grade seminar, Tampa Preparatory School, **Mar. 2023**.

3. **Uddin M.** Population-based insights into molecular indicators of traumatic stress. Seminar Speaker, Molecular Biology of the Cell, University of South Florida, **Jan. 2023.**

4. **Uddin M.** Imprints of trauma and PTSD on the leukocyte methylome: insights from civilian and military studies. Work in Progress Seminar (virtual), University of South Florida, **Jan. 2022.**

5. Wildman D and **Uddin M.** The effects of the COVID-19 pandemic on research in Rwanda and at USF. USF Health International Seminar Series (virtual), University of South Florida, **Apr. 2021.**

6. **Uddin M**. Mental Health Task Force Update. Invited Oral Presentation, 17th meeting of the H3Africa Consortium (virtual), **Apr. 2021.**

7. **Uddin M.** Imprints of social adversity and traumatic stress on the leukocyte methylome. Center for Evolution and Medicine Seminar Series (virtual), Arizona State University, **Jan. 2021**.

8. **Uddin M.** Trauma, adversity and the epigenome: Looking within and between generations in two African ancestry populations. Race, Violence and Health Seminar Series (virtual), Whitman College, Walla Walla WA, **Oct. 2020.**

9. **Uddin M.** The role of human gut microbiota in treatment resistant depression and response to transcranial magnetic stimulation. USF Microbiomes Initiative Workshop. University of South Florida, Tampa, FL. **Feb. 2020.**

10. **Uddin M.** The role of human gut microbiota in treatment resistant depression and response to transcranial magnetic stimulation. UF-USF Microbiome Workshop. University of Florida, Gainesville, FL. **Dec. 2019.**

11. **Rutembesa E and Uddin M**. Intergenerational epigenomics of trauma and PTSD in Rwanda: Updates on community engagement and data collection. Invited Oral Presentation, 14th meeting of the H3Africa Consortium, Accra, Ghana, **Sept. 2019.**

12. **Rudahindwa S and Uddin M**. H3Africa Mental Health Task Force Update. Invited Oral Presentation, 14th meeting of the H3Africa Consortium, Accra, Ghana, **Sept. 2019.**

13. **Uddin M.** Updates from the PGC PTSD Cohen Veterans Bioscience Pre-meeting of the Society for Biological Psychiatry, Chicago, IL, May **2019.**

14. **Uddin M.** Methylomic profiles of post-traumatic stress disorder in peripheral tissues. Genomics Symposium USF College of Public Health, Tampa, FL, Mar. **2019.**

15. **Uddin M**. Epigenomics of traumatic stress in human populations. Invited Keynote Presentation, African Society for Human Genetics, Kigali, Rwanda, **Sept. 2018.**

16. **Uddin M.** Transgenerational epigenomics of trauma and PTSD in Rwanda. Invited Oral Presentation, 12th meeting of the H3Africa Consortium, Kigali, Rwanda, **Sept. 2018.**

17. **Uddin M.** Epigenetic approaches to understanding stress and trauma in humans. Invited Oral Presentation, Georgia Institute of Technology, Department of Biology, Atlanta, GA. **Feb. 2018**.

18. **Uddin M.** Genomics of traumatic stress and stress-related mental disorders. Invited Oral Presentation, University of South Florida College of Public Health, Department of Global Health, Tampa, FL. **Jan 2018**.

19. **Uddin M**. Epigenetic impact of stress, trauma and social adversity, Invited Oral Presentation, Medicalization of Poverty Symposium Scholars Day, University of Illinois at Urbana-Champaign and Carle Hospital, Urbana, IL. **Nov. 2017.**

20. **Uddin M**. Molecular imprints of social adversity across the lifecourse. Invited Oral Presentation, Medicalization of Poverty Symposium Foundation Day, University of Illinois at Urbana-Champaign and Carle Hospital, Urbana, IL. **Nov. 2017.**

21. **Uddin M**. Epigenomics of traumatic stress. Invited Oral Presentation, Cognitive Science Division Brown Bag Seminar, Dept. of Psychology, University of Illinois at Urbana-Champaign, IL, **Sept. 2017**

22. **Uddin M**. The impact of traumatic stress on the dynamic genome. Invited Oral Presentation, Developmental Division Brown Bag Seminar, Dept. of Psychology, University of Illinois at Urbana-Champaign, IL, **Sept. 2017**

23. **Uddin M**. Epigenetics of Stress and Trauma. Invited Oral Presentation, Carle Hospital, Synapse: A Collaborative Neuroscience Conference. Aug. **2017**.

24. **Uddin M**. Molecular Profiles of Stress, Trauma and Resilience. Invited Oral Presentation, National Alliance for Mental Illness, Effingham Chapter, Effingham, IL. Mar. **2017.**

25. **Uddin M.** Epigenetic biomarkers of stress and trauma throughout the life course. Invited Oral Presentation, Clinical Division Brownbag Seminar Series, Dept. of Psychology, University of Illinois at Urbana-Champaign, Champaign, IL, Jan. **2017**.

26. **Uddin M.** Updates and results of the PTSD PGC Epigenetics Workgroup. Invited Oral Presentation, Pre-meeting of the International Society for Traumatic Stress Studies, Dallas, TX, Nov **2016.**

27. **Uddin M.** Genetic and epigenetic risk factors in stress-related mental disorders: focus on PTSD. Invited Oral Presentation, Osher Lifelong Learning Institute, University of Illinois at Urbana-Champaign, Champaign, IL. Oct. **2016**.

28. **Uddin M.** Transcriptional and epigenetic regulation of traumatic stress in a community-based cohort. Invited Oral Presentation, Neuroscience Program, Michigan State University, Lansing MI, Sept. **2016**.

29. **Uddin M.** Biologic Embedding of Traumatic Stress Within and Between Generations. Invited Oral Presentation, University of Rwanda, College of Medicine and Health Sciences, Kigali, Rwanda, June **2016.**

30. **Uddin M** Intergenerational transmission of traumatic stress. Invited Oral Presentation, Living Peace Institute, Goma, Democratic Republic of Congo, June **2016.**

31. **Uddin M.** Biologic Embedding of Stress and Trauma in Diverse Cohorts. Invited Oral Presentation, Kariosoke Research Center, Musanze, Rwanda, June **2016.**

32. **Uddin M.** Biologic Embedding of Stress and Trauma in an Urban, Population-based Sample. Invited Oral Presentation, Society for Neuroscience, Chicago Chapter, 2016 Annual Meeting, Chicago, IL Apr. **2016.**

33. **Uddin M.** Molecular imprints of stress, trauma and resilience across the lifecourse. Invited Oral Presentation, Undergraduate Neuroscience Society, University of Illinois at Urbana-Champaign, Urbana, IL Apr. **2016.**

34. **Uddin M.** Biomarkers of stress, trauma and resilience in a community-based setting. Invited Oral Presentation Behavioral Neuroscience Seminar, Department of Psychiatry, University of Illinois at Chicago, Chicago, IL Jan. **2016.**

35. **Uddin M.** Biomarkers of stress, trauma and resilience in a community-based setting. Invited Oral Presentation National Alliance on Mental Illness, Champaign Chapter; Champaign Public Library, Champaign, IL Dec **2015.**

36. **Uddin M.** PTSD PGC Epigenetics Working Group Update. Invited Oral Presentation, International Society for Traumatic Stress Studies, PTSD Psychiatric Genomics Consortium Pre-meeting, New Orleans, LA Nov **2015.**

37. **Uddin M.** Biomarkers of stress, trauma and resilience in the Detroit Neighborhood Health Study Invited Oral Presentation Illinois Summer Neuroscience Institute, University of Illinois Urbana-Champaign, Urbana, IL May **2015.**

38. **Uddin M.** Molecular imprints of stress and trauma across the life course Invited Oral Presentation, Palmer Symposium, Loyola University, Chicago, IL April **2015.**

39. **Uddin M.** Molecular imprints of stress and trauma across the life course Invited Oral Presentation, Developmental Division Seminar Series, Department of Psychology, University of Illinois Urbana-Champaign, Champaign, IL, April **2015**.

40. **Uddin M.** Biomarkers of stress, trauma and resilience: insights from the methylome Invited Oral Presentation, Neuroscience Program Seminar Series, University of Illinois Urbana-Champaign, Urbana, IL, Mar **2015.**

41. **Uddin M.** Molecular profiles of stress and trauma: insights from population-based studies. Invited Oral Presentation, Human Sociogenomics Group Meeting, Carl R. Woese Institute for Genomic Biology, Urbana, IL, Feb. **2015.**

42. **Uddin M.** Epigenetic workgroup update to the PTSD Psychiatric Genomic Consortium. Invited Oral Presentation, Pre-meeting of the International Society for Traumatic Stress Studies, Miami, FL, Nov **2014.**

43. **Uddin M** Stress, trauma and resilience: an epigenetic perspective. Invited keynote address, American Urology Association Summer Research Conference, Baltimore, MD Sept **2014.**

44. **Uddin M.** Molecular perspectives on trauma and resilience Invited oral presentation, Behavioral Neuroscience Seminar Series, Department of Psychology, University of Illinois Urbana-Champaign, Champaign, IL Sept **2014.**

45. **Uddin M.** Epigenetic regulation of traumatic stress. Invited oral presentation, University of Arizona, Department of Psychology, Tuscon, AZ February **2014.**

46. **Uddin M.** Koenen KC Genetic Studies of PTSD in Civilian Sample. Invited oral presentation, Inaugural meeting of the PTSD workgroup of the Psychiatric Genetics Consortium, San Francisco, CA, May **2013.**

47. **Uddin M.** Biologic embedding of stress and trauma across the lifecourse. Invited oral presentation, Department of Psychology, University of Illinois-Urbana Champaign, May **2013.**

48. **Uddin M.** Biologic embedding of traumatic stress across the lifecourse. Invited oral presentation Children's Hospital of Brooklyn and SUNY Downstate Grand Rounds, Brooklyn, NY, March **2013.**

49. **Uddin M.** Molecular underpinnings of stress and trauma: insights from a population-based study. Invited oral presentation, Wayne State University Department of Psychiatry Grand Rounds, Detroit, MI, Oct **2012.**

50. **Uddin M.** The influence of social and molecular variation on mental health and illness. Invited oral presentation, Wayne State University Institute of Environmental Health Studies Seminar Series, Detroit, MI, Oct **2012.**

51. **Uddin M.** The molecular underpinnings of stress and trauma. Invited oral presentation, Merrill Palmer Skillman Institute for Child & Family Development, Detroit, MI **Sept 2012.**

52. **Uddin M.** Molecular and environmental factors associated with risk of post-traumatic stress disorder. Invited oral presentation Department of Psychology, University of Michigan, Mar **2012.**

53. **Uddin M** Molecular and environmental determinants of mental illness: insights from population-based studies. Invited oral presentation Department of Society, Human Development, and Health, Harvard University Oct **2011.**

54. **Uddin M.** Biologic signatures of mental illness: insights from population-based studies. Invited oral presentation Department of Family Medicine and Public Health Sciences, Wayne State University, Detroit, MI, Oct **2011.**

55. **Uddin M.** Genetic and genomic perspectives on psychiatric illness: insights from population-based studies. Invited oral presentation, Department of Epidemiology, Mailman School of Public Health, Columbia University, Dec **2010.**

56. **Uddin M.** Genetic and genomic perspectives on psychiatric illness: insights from population-based studies. Invited oral presentation, Center for Molecular Medicine and Genetics, Wayne State University School of Medicine, Sept **2010.**

57. **Uddin M.** Gender differences in the genetic and environmental determinants of adolescent depression. Invited oral presentation, Cultural Neuroscience: Bridging Natural and Social Sciences, Institute for Social Research/Center for Culture, Mind and the Brain, University of Michigan, Apr **2010.**

58. **Uddin M.** How do stress and trauma get under the skin? Insights from psychiatric epidemiology. Invited oral presentation, Department of Epidemiology, University of Michigan, Feb **2010.**

59. **Uddin M.** How do stress and trauma get under the skin? Insights from psychiatric epidemiology. Invited oral presentation, Department of Mental Health, Johns Hopkins University Bloomberg School of Public Health, Dec **2009**.

CONFERENCE PRESENTATIONS

(*indicates presenter; +indicates author is a student whom I mentored; 2015 onward only).

1. Mussanabaganwa C, Jansen S, Chen H, Wani A, Mutabaruka J, Rutembesa E, Fatumo S, Uwineza A, Njemini R, Erno H, Roozendaal B, Wildman DE, Mutesa L, **Uddin M***. Trauma and PTSD among Rwandan women survivors following exposure to the 1995 genocide against the Tutsi in Rwanda: HPA and epigenetic mechanisms. Oral symposium presentation, Annual Meeting of Society of Biological Psychiatry (SOBP), Toronto, Canada, Apr. 2025.

2. Obeng A*+, Sarker M, Musanabaganwa C, Fatumo S, Jansen S, Mutabaruka J, Rutembesa E, Uwineza A, Wildman DE, Mutesa L, **Uddin M.** Predicting PTSD status: Evidence from an *in utero* DNA methylation glucocorticoid exposure risk score. Poster presentation, Annual Meeting of Society of Biological Psychiatry (SOBP), Toronto, Canada, Apr. 2025.

3. Sarker M*, Ratanatharathorn A, Wani A, Aiello A, Qu A, Koenen K, Wildman DE, **Uddin M.** DNA methylation as a mediator of cardiovascular disease risk in relation to PTSD severity: Identification of potential epigenetic biomarkers. Poster presentation, Annual Meeting of Society of Biological Psychiatry (SOBP), Toronto, Canada, Apr. 2025.

4. Dahrendorff J*+, Wani A, Graham Z, Wang C, Wildman DE, Aiello AE, Koenen K, **Uddin M**. Baseline differential microRNA expression profiles associated with future depressive symptom development in a prospective, community-based cohort. Poster presentation, USF Health Research Day, Feb. 2025, University of South Florida, Tampa, FL.

5. Obeng A*+, Sarker M, Musanabaganwa C, Fatumo S, Jansen S, Mutabaruka J, Rutembesa E, Uwineza A, Wildman DE, Mutesa L, **Uddin M.** Prediction of PTSD Sympton Severity and Depression in Blood DNA methylation data using a Glucocorticoid Exposure Risk Score. Poster presentation, USF Health Research Day, Feb. 2025, University of South Florida, Tampa, FL.

6. Sarker M*, Ratanatharathorn A, Wani A, Aiello A, Qu A, Koenen K, Wildman DE, **Uddin M.** DNA methylation as a mediator of cardiovascular disease risk in relation to PTSD severity: Identification of potential epigenetic biomarkers. Oral presentation, USF Health Research Day, Feb. 2025, University of South Florida, Tampa, FL

7. Wang C, **Uddin M***, Ratanatharathorn A, Koenen K, Aiello A, Wildman DE. Micro-RNAs regulate the relationship between social adversities and post-traumatic symptom severity in a prospective, community-based cohort. Oral presentation selected as a cutting edge talk, Annual Meeting of the International Society for Traumatic Stress Studies (ISTSS), Boston, MA, Sept. 2024.

8. Katrinli S*, Wani AH, Zhao X, Maihofer AX, Zhao Y, Nuñez D, Montalvo-Ortiz J, Zannas A, Logue AZ, Nievergelt CM, **Uddin M**, Smith AK, PGC-PTSD Epigenetics Workgroup. Epigenome-wide meta-analysis of 11 military and civilian cohorts reveals cell-type specific and inflammatory DNA methylation patterns associated with PTSD. Oral symposium presentation, Annual Meeting of Society of Biological Psychiatry (SOBP), Austin, TX, May 2024.

9. Logue MW*, Katrinli S, Wani AH, Maihofer AX, Zannas AS, Nugent NR, Xhao X, Nievergelt CN, **Uddin M**, Smith AK, and the PGC PTSD Epigenetics Workgroup. Genome-wide meta-analysis of DNA methylation and PTSD in 23 military and civilian cohorts and multi-omic analysis point toward immune mechanisms. Oral symposium presentation, Annual Meeting of Society of Biological Psychiatry (SOBP), Austin, TX, May 2024.

10. Dahrendorff J*+, Pages K, Currier G, Graham Z, Louis-Jacques A, Dagne G, **Uddin M**. Leveraging DNA Methylation to Predict Transcranial Magnetic Stimulation Outcomes among Patients with Treatment-resistant Depression. Oral symposium presentation, Annual Meeting of Society of Biological Psychiatry (SOBP), Austin, TX, May 2024.

11. Dahrendorff J*+, Pages K, Currier G, Graham Z, Loui-Jacques A, Dagne G, **Uddin M**. Leveraging DNA Methylation to Predict Transcranial Magnetic Stimulation Outcomes among Patients with Treatment-resistant Depression. Poster presentation, USF Health Research Day, Tampa, FL. Mar. 2024.
    **Won the doctoral student COPH poster prize for clinical and translational research and was selected to represent USF COPH at the annual National Delta Omega Poster Competition in Oct. 2024

12. Dahrendorff J*+, Pages K, Currier G, Graham Z, Louis-Jacques A, Dagne G, **Uddin M**. Leveraging DNA Methylation to Predict Transcranial Magnetic Stimulation Outcomes

among Patients with Treatment-resistant Depression. Poster presentation, Annual Meeting of the American Psychopathological Association, New York, NY, Mar. 2024.

13. Logue MW*, Katrinli S, Wani AH, Maihofer AX, Zannas AS, Nugent NR, Xhao X, Nievergelt CN, **Uddin M**, Smith AK, and the PGC PTSD Epigenetics Workgroup. Leveraging multi-omics data to interpret a genome-wide meta-analysis of DNA methylation and PTSD in 23 military and civilian cohorts. Poster presentation Annual Meeting of the American Society for Human Genetics (ASHG), Washington, DC, Nov. 2023.

14. Smith AK*, Katrinli S, Wani AH, Maihofer AX, Zannas AS, Nugent NR, Xhao X, Nievergelt CM, **Uddin M**, Logue MW, PGC-PTSD Epigenetics Workgroup. Leveraging multi-omics data to interpret an epigenome-wide meta-analysis of PTSD in 23 military and civilian cohorts. Symposium Presentation, Annual Meeting of the World Congress of Psychiatric Genetics (WCPG), Montreal, Canada, Oct. 2023.

15. Katrinli S*, Wani AH, Zhao X, Maihofer AX, Zhao Y, Nuñez D, Montalvo-Ortiz J, Zannas A, Logue AZ, Nievergelt CM, **Uddin M**, Smith AK, PGC-PTSD Epigenetics Workgroup. Epigenome-wide meta-analysis of >3200 military and civilian participants identifies cell-type specific DNA methylation signals associated with PTSD. Oral Presentation, Annual Meeting of the World Congress of Psychiatric Genetics (WCPG), Montreal, Canada, Oct. 2023.

16. Wani AH, Zhao X, Katrinli S, KEtema E, Maihofer AX, Aiello AE, Boks MP, Rutten B, Baker DG, Stein MB, Ressler KJ, Miller M, Wildman DE, Wolf E, Logue MW, Nievergelt CM, Smith AK, **Uddin M*.** Blood-based DNA methylation and exposure risk score predicts PTSD with high accuracy in military and civilian cohorts. Oral Presentation, Annual Meeting of Society of Biological Psychiatry (SOBP), San Diego, CA, Apr. 2023.

17. Dahrendorff J*+, Yuan Y, Wani A, Donglasan J, Burgan S, Graham Z, Wang C, Xu Q, Qu A, Wildman DE, **Uddin M**. Transcriptomic and locus-specific analysis of 5-hydroxymethylcytosine reveal glucocorticoid-induced changes in gene expression of stress sensitive loci in human microglia cells. Poster Presentation, American Psychopathological Association, New York, NY, Mar. 2023.

18. Wani AH*, Zhao X, Ketema E, Katrinli S, **Uddin M**, PTSD PGC EWAS Group. Establishing a DNA methylation and exposure risk score for PTSD using machine learning. Oral Presentation International Society for Traumatic Stress Studies, Atlanta, GA, Nov. 2022.

19. Katrinli S*, Wani AH, Gautam A, Hammamieh R, Yang R, Kilaru V, Lori A, Powers A, Hinrichs R, Gillespie CF, Wingo AP, Michopoulos V, Jovanovic T, Jett M, **Uddin M**, Ressler KJ, Smith AK. Cell-type specific methylation analysis reveals multiple loci associated with PTSD in African Americans. Oral Presentation, Annual Meeting of Society of Biological Psychiatry (SOBP), New Orleans, LA, Apr. 2022.

20. Wani AH*, Katrinli S, Ketema E, Maihofer AX, Aiello AE, Boks MP, Rutten BPF, Baker DG, Stein M, Ressler KJ, Wildman DE, Logue MW, Nievergelt CM, Smith AK, **Uddin M**.

Establishing a DNA methylation risk score for PTSD using machine learning approaches. Poster Presentation, Annual Meeting of Society of Biological Psychiatry (SOBP), New Orleans, LA, Apr. 2022.

21. Dahrendorff J*+, Wani A, Donglasan J, Burgan S, Graham Z, Taylor Z, Wang C, Wildman D, **Uddin M**. Glucocorticoid-induced changes in gene expression of stress sensitive loci in human microlia cells. Poster Presentation, USF Health Research Day, University of South Florida, Feb. 2022.

22. Mussanabaganwa C*+, Wani A, Fatumo S, Jansen S, Mutesa L, **Uddin M**. Methylomic imprints of exposure to the Rwandan genocide against ethnic Tutsi: A pilot EWAS analysis. Oral Presentation, International Society for Traumatic Stress Studies (virtual conference), Nov. 2021.

23. Logue MW, Snijders C, Maihofer AX, Ruttern BPF, Miller MW, Huber BR, Traumatic Stress Brain Research Group, **Uddin M**, Nievergelt CM, Smith AK. PTSD-associated variants and cross-tissue examination of DNA methylation. Society for Biological Psychiatry, Oral Presentation (virtual conference), May 2021.

24. Dahrendorff J*+, Keller TE, Armstrong D, Wani A, Wildman DE, Valerro C, Koenen KC, Aiello A, **Uddin M**. Differential Expression of Mitochondria-related Genes is Associated with PTSD Development in a Prospective, Community-based Cohort. Poster Presentation, International Society for Traumatic Stress Studies (virtual conference), Nov. 2020

25. Wani A*, Aiello AE, Koenen KC, Qu A, Wildman DE, **Uddin M**. The Impact of Social Adversity and Stress-relevant DNA Methylation on Prospective Risk for Post-traumatic Stress: A Machine Learning Approach. Oral Presentation, International Society for Traumatic Stress Studies (virtual conference), Nov. 2020

26. Dahrendorff J*+, Keller TE, Armstrong D, Wani A, Wildman DE, Valerro C, Koenen KC, Aiello A, **Uddin M**. Differential Expression of Mitochondria-related Genes is Associated with PTSD Development in a Prospective, Community-based Cohort. Poster Presentation, Society for Biological Psychiatry, New York, NY (virtual conference). Apr. 2020.

27. Wani AH, Aiello A, Koenen K, Qu A, Wildman DE, **Uddin M**. The Impact of Social Adversity and Stress-relevant DNA Methylation on Prospective Risk for Post-traumatic Stress: A Machine Learning Approach. Poster Presentation, Society for Biological Psychiatry, New York, NY (virtual conference). Apr. 2020.

28. Dahrendorff J*+, Keller TE, Armstrong D, Wani A, Wildman DE, Valerro C, Koenen KC, Aiello A, **Uddin M**. Differentially Expressed Gene Networks in Civilian and Veteran Cohorts of Post-traumatic Stress Disorder. Poster Presentation, USF Health Research Day. University of South Florida, Tampa, FL. Feb. 2020.
**Won the master's student poster prize for student basic sciences research and was selected to represent USF COPH at the 23rd annual National Delta Omega Poster Competition.

29. Occean JR*+, Wani AH, Aiello A, Galea S, Koenen K, Wildman D, **Uddin M**. *NFATC1* Methylomic Profiles Associated with Unique Traumatic Events and Lifetime PTSD. Poster Presentation, University of South Florida, Tampa, FL. Feb. 2020.

30. Rudahindwa S*, Zass L, H3Africa Mental Health Task Force, **Uddin M**. Harmonization of Mental Health Phenotypes to Leverage Genomic Data in Africa. Oral presentation, USF Genomics Symposium, Tampa, FL, Nov. 2019.

31. Musanabaganwa C*+, Wani A, Wildman DE, Jansen S, Rutembesa E, Mutabaruka J, Uwineza A, **Uddin M**, Mutesa L. Role of epigenetic effects in intergenerational transmission of PTSD in the Rwandan population. Oral presentation, USF Genomics Symposium, Tampa, FL, Nov. 2019.
**Won the prize for best oral presentation at the symposium

32. Occean J*+, Wani AH, Aiello AE, Galea S, Koenen KC, Wildman D, **Uddin M**. Traumata and epigenetics: Cumulative experiences of unique traumatic events, *NFATC1* DNA methylation, and PTSD symptom severity. Poster presentation, USF Genomics Symposium, Tampa, FL, Nov. 2019.
**Won the prize for best poster presentation at the symposium

33. Louis-Jacques A*, Keller M, **Uddin M**, Groer M. Maternal DNA methylation changes associated with lactation. Oral presentation, Academy of Breastfeeding Medicine, Blackburn, UK, Oct. 2019.

34. Kim G*+, Aiello AE, Koenen KC, Galea S, Wildman DE, **Uddin M**. Differential methylation at glucocorticoid-relevant regulatory regions associated with PTSD in African Americans. Oral presentation, Society for Biological Psychiatry, Chicago, IL, May 2019.

35. Rudahindwa S*+, Mutesa L, Rutembesa E, Mutabaruka J, **Uddin M**. An analysis of PTSD symptom severity domains between genocide-exposed mothers and offspring. Oral presentation, Graduate Student Symposium in Memory Studies, University of Illinois at Urbana-Champaign, Urbana, IL, Apr. 2018.

36. Rudahindwa S*+, Mutesa L, Rutembesa E, Mutabaruka J, **Uddin M**. An analysis of PTSD symptom severity domains between genocide-exposed mothers and offspring. Poster Presentation, Illinois Summit for Diversity in Psychological Science, Champaign, IL, Mar. 2018.

37. Kim, GS*+, Wildman DE, Aiello AE, Koenen KC, Galea S, **Uddin M**. Genetic regulation of SRAP nuclease expression is moderated by post-traumatic stress disorder (PTSD) status in African Americans. Poster Presentation, Cold Spring Habor Conference on Systems Biology: Global Regulation of Gene Expression, Cold Spring Harbor, NY, Mar. 2018.

38. Kim, GS*+, Wildman DE, Aiello AE, Koenen KC, Galea S, **Uddin M**. Genetic Regulation of Gene Expression in Vulnerability and Resilience to Post-traumatic Stress Disorder in

African Americans. Poster Presentation, Illinois Summit for Diversity in Psychological Science, Champaign, IL, Mar. 2018.

39. Ratanatharathorn A, Boks M, Logue M, Maihofer A, Kilaru V, Stein M, Vermetten E, Karestan K, Aiello A, Baker D, Hauser M, Kimbrel N, Ashley-Koch A, Kuan P, Miller M, Ressler K, Nievergelt C, Smith A, **Uddin M***, Epigenetic Biomarkers of PTSD: Updates From the EWAS Working Group of the PGC PTSD. Oral Presentation, International Society for Traumatic Stress Studies, Chicago, IL, Nov. 2017

40. Lowe S*, Spruha H, Aiello A, **Uddin M**, Koenen K, Cerda, M. Pathways from assaultive violence to posttraumtic stress, depression, and generalized anxiety symptoms through stressful life events. Oral Presentation, International Society for Traumatic Stress Studies, Chicago, IL, Nov. 2017

41. Kim GS*+, Armstrong D, Koenen KC, Aiello A, Wildman DE, **Uddin M**. Genetic and epigenetic regulation of gene expression associated with post-traumatic stress disorder. Oral Presentation, International Society for Traumatic Stress Studies, Chicago, IL, Nov. 2017

42. Pfeiffer JP*+, Bustamante A, Koenen KC, Nikolova Y, Hariri A, **Uddin M**. Epigenome-wide region-based methylation analysis of childhood trauma associated with functional neural phenotypes. Poster Presentation, International Society for Traumatic Stress Studies, Chicago, IL, Nov. 2017

43. Pfeiffer JR*+, Bustamante AC, Price JB, Tye S, **Uddin M**. Epigenetic modifications of stress-relevant genes as peripheral biomarkers of treatment-resistance depression. Poster presentation, 72nd Society for Biological Psychiatry Scientific Convention, San Diego, CA. May 2017.

44. Kim GS*+, Armstrong D, Koenen KC, Aiello A, Galea S, Zhao SD, Wildman DE, **Uddin M**. Sex differences in leukocyte compostion and transcriptional profiles associated with lifetime PTSD. Poster presentation, 72nd Society for Biological Psychiatry Scientific Convention, San Diego, CA. May 2017.

45. Horesh D*, Lowe SR, Galea S, Aiello AE, **Uddin M**, Koenen KC. Women living in a chronically-traumatic environment: PTSD and depression in a longitudinal study of inner-city Detroit residents. Oral Presentation, 7th World Congress on Women's Mental Health, Dublin, Ireland, Mar. 2017.

46. Ratanatharathorn A, Kuan P, Armstrong A, Boks M, Laogue M, Maihofer A, Luft B, Bromet E, Miller M, Ressler K, Koenen KC, Guffanti G, Hauser M, Kimbrel N, Vermetten E, Stein M, Baker D, Nievergelt C, Smith A, **Uddin M*,** PGC PTSD Epigenetics Workgroup. DNA methylation at *NRG1* may be an epigenetic biomarker of PTSD in civilian cohorts. Oral Symposium Presentation, International Society for Traumatic Stress Studies, Dallas, TX, Nov. 2016.

47. Armstrong D*+, Koenen KC, Smith A, Ressler K, Aiello A, Galea S, Guffanti G, Ratanatharathorn A, Wildman D, **Uddin M**. Differential methylation of imprinted genes in post-traumatic stress disorder. Oral Symposium Presentation, International Society for Traumatic Stress Studies, Dallas, TX, Nov. 2016

48. Ratanatharathorn A*, Aiello AE, Armstrong D, Binder EB, Bustamante AC, Galea S, Koenen KC, Kilaru V, Ressler KJ, Smith AK, Sumner JA, **Uddin M**, Wildman DE, Guffanti G. Region based analyses of differential methylation in post-traumatic stress disorder. Oral Symposium Presentation, International Society for Traumatic Stress Studies, Dallas, TX, Nov. 2016

49. Bustamante A*+, Aiello AE, Koenen KC, Galea S, Ratanatharathorn A, Wildman DE, **Uddin M**. Epigenetic profiles associated with childhood maltreatment and post-traumatic stress disorder. Oral Presentation, International Society for Traumatic Stress Studies, Dallas, TX, Nov. 2016.

50. **Uddin M*.** Epigenetic Signatures of Risk and Resilience in an Urban Community Setting. Oral Symposium Presentation, Epidemiology Congress of the Americas 2016. Miami, FL June 2016.

51. Smith A*, Ratanatharathorn A, Boks M, Logue M, Maihofer A, Kilaru V, Garrett M, Guffanti G, Vermetten E, Koenen K, Aiello A, Baker D, Hauser M, Kimbrel N, Dennis M, Ashley-Koch A, VA-MIRECC, Luft B, Bromet E, Miller M, Ressler K, **Uddin M**, Nievergelt C, PGC PTSD Epigenetics Workgroup. Epigenome-Wide Association of PTSD from Heterogeneous Cohorts with a Common Multi-Site Analysis Pipeline. Oral Presentation, 71st Society for Biological Psychiatry Scientific Convention, Atlanta, GA, May 2016.

52. Armstrong D*, Koenen K, Smith A, Ressler K, Aiello A, Galea S, Gufanti G, Ratanatharathorn A, Wildman D, **Uddin M**. Differential Methylation of Imprinted Genes in Post-traumatic Stress Disorder. Poster Presentation, 71st Society for Biological Psychiatry Scientific Convention, Atlanta, GA, May 2016.

53. Bustamante A*, Aiello AE, Koenen KC, Galea S, Wildman DE, **Uddin M**. Impact of Childhood Maltreatment and Post-traumatic Stress Disorder on the Leukocyte Transcriptome. Poster Presentation, 71st Society for Biological Psychiatry Scientific Convention, Atlanta, GA, May 2016.

54. Bustamante AC*, Aiello AE, Koenen KC, Galea S, Wildman DE, **Uddin M**. Epigenetic modifications of the glucocorticoid receptor (*NR3C1*). are associated with childhood maltreatment and major depressive disorder. Oral Presentation, International Society for Traumatic Stress Studies, New Orleans, LA Nov 2015

55. Ratanatharathorn A*, Boks M, Bromet E, Guffanti G, Koenen KC, Logue M, Luft B, Maihofer A, Miller M, Mitchell C, Ressler K, Stein M, Vermetten E, **Uddin M**, Nievergelt C, Smith A, PGC-PTSD Epigenetics Workgroup. Preliminary results from the psychiatric

genomics consortium PTSD epigenetics workgroup. Oral Presentation, International Society for Traumatic Stress Studies, New Orleans, LA Nov 2015

56. Logue M*, Smith A, Baldwin C, Wolf E, Guffanti G, Ratanatharathorn A, Stone A, Schichman S, Humphries D, Binder E, Arloth J, Menke A, **Uddin M**, Wildman D, Galea S, Aiello A, Koenen K, Miller M. An analysis of gene expression in PTSD implicates genes involved in the glucocorticoid receptor pathway and neural responses to stress. Oral Presentation, International Society for Traumatic Stress Studies, New Orleans, LA Nov 2015

TEACHING AND MENTORING

I. Teaching

2024-2025	**Genomics Concentration Lead**, MPH program, *University of South Florida College of Public Health*, Tampa, FL.
2021-2025	**Genomics Concentration Lead**, Ph.D. in Public Health, *University of South Florida College of Public Health*, Tampa, FL.
2023-present	**Course Co-director (with D. Wildman**). Public Health Laboratory Bioinformatics micro-certificate course, Lifelong Learning Academy, *University of South Florida College of Public Health*, Tampa, FL.
2019-present (Fall)	**Course Co-director (with D. Wildman**). Public Health Laboratory Bioinformatics (PHC 7085), *University of South Florida College of Public Health*, Tampa, FL. Course Description: This online course teaches the principles and methods for bioinformatics in public health laboratory programs, including systems for surveillance, outbreak investigation, and diagnostics. The course provides students with the skills required to determine the technical, human, and other resources required to implement genomics and bioinformatics technologies in public health practice.
2016, ‘17, ‘18 (Fall)	**Course director and instructor**. Behavioral Neuroscience (PSYC210), *University of Illinois Urbana Champaign*, Urbana, IL. Course Description: This course provides a survey of current knowledge regarding the brain's role in perception, motivation, sexual behavior, thinking, memory, and learning, based upon human clinical data and research in animal models.
2015, ‘17, ‘18 (Spr.)	**Course director and instructor,** Stress, Trauma and Resilience (PSYC365), *University of Illinois Urbana Champaign*, Urbana, IL. Course Description: This course provides an overview of traumatic stress, with a particular emphasis on the biological and social factors that shape human responses to trauma. Students will become familiar with the definition and range of potentially traumatic events in various social contexts (e.g. military vs. civilian)., as well as the genetic and environmental features that influence vulnerability vs. resilience to trauma.
2016, ‘17, ‘18 (Spr.)	**Course instructor**, Advances in Behavioral Neuroscience (PSYC510), *University of Illinois at Urbana Champaign*, Urbana, IL.

2015-16	**Course director and instructor,** Capstone Undergraduate Research Seminar (PSYC492), *University of Illinois at Urbana Champaign*, Urbana, IL. Course Description: A two-semester seminar for undergraduates doing advanced research. Course is taken during the senior year and provides instruction on developing effective written and oral presentations of empirical research findings, and facilitates the completion of a Bachelor's thesis.
2014 (Winter)	**Course director and instructor**, Scientific Communication II (MBG7091). Center for Molecular Medicine and Genetics, *Wayne State University*, Detroit, MI. Course Description: Advanced topics include organization of the NIH, function of study sections, the NIH grant application process, seeking alternative funding sources, and life after graduate school. An in depth analysis of a Citation Classic will be done to gain insights in scientific writing.
2014 (Winter)	**Instructor,** Molecular Neuropsychopharmacology (PYC7010/IBS7050), WSU School of Medicine, Detroit, MI (Course director: Matthew Galloway).
2012 (Fall)	**Director and instructor**, Scientific Communication I (MBG7090), Center for Molecular Medicine and Genetics, *Wayne State University*, Detroit, MI (with Wayne Lancaster). Course Description: The course is designed to expose the student to the interpretation and presentation of scientific data in the form of written and oral communication exercises encompassing the basics of technical writing, use of electronic media, manuscript review, research paper abstraction and interview preparation. Other writing exercises include a curriculum vitae and personal statement.
2011-2013	**Co-director and Instructor**, Scientific Communication (MBG7090/91), Center for Molecular Medicine and Genetics, *Wayne State University*, Detroit, MI (with Wayne Lancaster).
2011, '12, '13 (Fall)	**Instructor**, Molecular Biology (IBS7010), Center for Molecular Medicine and Genetics, *Wayne State University*, Detroit, MI (Course director; Ladislau Kovari).
2011 (Spring)	**Co-director**, Field Methods in Epidemiology (Epid 655), Department of Epidemiology, *University of Michigan*, Ann Arbor, MI (with Lynda Lisabeth). Course Description: Provides students with an opportunity to apply theoretical concepts learned in prior and concurrent coursework in epidemiology to the design and execution of an epidemiologic investigation in a pre-specified topic area. Students work both individually and within small groups to examine a research question(s) within their pre-specified topic area, formulate constructs related to their specific research question, develop a tool (questionnaire) to measure these constructs, and consider ways to examine the validity of their measurements. Student groups then conduct a pilot study in the field and

	present their findings in both written and oral report formats at the end of the term.
2009-2011	**Seminar Director**, Center for Social Epidemiology and Population Health, *University of Michigan*, Ann Arbor, MI.
2000-2001	**Teaching Assistant**, Introduction to Human Evolution, *New York University,* Department of Anthropology, NY, NY.

II. Mentoring: Graduate Students, Postdocs and Research Scientists

Primary Mentorship

2024-present	**PhD Mentor**, Akua Obeng, Genomics concentration, College of Public Health, *University of South Florida*, Tampa, FL.
2024-present	**MSPH Mentor**, Kaitlyn Nowak, Genomics concentration, College of Public Health, *University of South Florida*, Tampa, FL.
2024-present	**MPH Mentor**, Bissaya Abdella, Genomics concentration, College of Public Health, *University of South Florida*, Tampa, FL.
2023-present	**Postdoctoral Supervisor**, Dr. Mohammad Sarker, Genomics Program, College of Public Health, *University of South Florida*, Tampa, FL.
2023-2024	**MSPH Mentor**, Isabella Correia, Genomics concentration, College of Public Health, *University of South Florida*, Tampa, FL.
2022-2024	**MSPH Mentor**, Lanie Mullins, Genomics concentration, College of Public Health, *University of South Florida*, Tampa, FL.
2021-present	**PhD Mentor**, Jan Dahrendorff, Genomics concentration, College of Public Health, *University of South Florida*, Tampa, FL.
2019-2021	**MSPH Mentor**, Jan Dahrendorff, Genomics concentration, College of Public Health, *University of South Florida*, Tampa, FL.
2019-2023	**Postdoctoral Supervisor**, Dr. Agaz Hussain Wani, Genomics Program, College of Public Health, *University of South Florida*, Tampa, FL.
2018-2019	**Visiting Scientist Co-supervisor**, Dr. Segun Fatumo, *Ugandan Medical Informatics Cente*r, Entebbe, Uganda
2018-2023	**PhD Co-mentor,** Clarisse Musanabaganwa, PhD student, *University of Rwanda*, Kigali, Rwanda.
2015-2021	**PhD Mentor**, John Pfeiffer, PhD student, Department of Psychology, *University of Illinois Urbana-Champaign*, Urbana, IL.
2015-2019	**PhD Mentor**, Grace Kim, MD/PhD Candidate, Neuroscience Program, *University of Illinois Urbana-Champaign*, Urbana, IL.
2017- 2018	**PhD Mentor**, Brianna Bucknor, PhD student, Department of Psychology, *University of Illinois Urbana-Champaign*, Urbana, IL.
2014-2015	**PhD Mentor**, Tabitha Morris, PhD student, Neuroscience Program, *University of Illinois Urbana-Champaign*, Urbana, IL.
2012-2017	**PhD Mentor,** Angela Bustamante, Center for Molecular Medicine and Genetics, *Wayne State University*, Detroit, MI; Neuroscience Program, *University of Illinois-Urbana Champaign*, IL.
2011-2014	**PhD Co-mentor**, Levent Sipahi, MD/PhD Candidate, Center for Molecular Medicine and Genetics, *Wayne State University*, Detroit, MI.

Committee Mentorship

2024-present	**DrPH dissertation committee member**, Alfredo Camacho, College of Public Health, *University of South Florida*, Tampa, FL
2024-present	**MSPH Committee Member**, Mequela Bogle, Genomics concentration, College of Public Health, *University of South Florida*, Tampa, FL
2024	**PhD thesis evaluator,** Lihle Bayavuya Moyakhe, *University of Cape Town*, Cape Town, South Africa.
2023-2024	**MSPH Committee Member**, Mackenzie Maggio, Genomics concentration, College of Public Health, *University of South Florida*, Tampa, FL.
2023-2024	**DrPH dissertation committee member**, Stacey Perralta, College of Public Health, *University of South Florida*, Tampa, FL
2022-2024	**DrPH dissertation committee member**, Jennifer Bullard, College of Public Health, *University of South Florida*, Tampa, FL
2022	**Dissertation committee member**, Hannah Hopkins, College of Public Health, *University of South Florida*, Tampa, FL.
2020-2022	**Dissertation committee member**, Jessica Bonumwezi, *Montclair State University*, Montclair, NJ.
04/2022	**Comprehensive Qualifying Exam Chair**, Niat Gebru, Morsani College of Medicine, *University of South Florida*, Tampa, FL
2021-2022	**MSPH Committee Member**, Zoe Taylor, Genomics concentration, College of Public Health, *University of South Florida*, Tampa, FL
2019-2021	**Dissertation committee member**, Haley Hanson, College of Public Health, *University of South Florida*, Tampa, FL
2019	**Dissertation committee member**, Francheska Merced-Nieves, PhD student, Neuroscience Program, *University of Illinois Urbana-Champaign*, Urbana, IL
2018	**Comprehensive exam committee member**, Haley Hanson, College of Public Health, *University of South Florida*, Tampa, FL
2018	**Dissertation Committee member**, Stephanie Matt, Neuroscience Program, *University of Illinois Urbana-Champaign*, Urbana, IL
2018	**Dissertation Committee member**, Mary Rogers, Department of Anthropology, *University of Illinois Urbana-Champaign*, Urbana, IL
2018	**Preliminary exam committee member**, Mariam Camacho, Neuroscience Program, *University of Illinois Urbana-Champaign*, Urbana, IL
2017	**Dissertation Committee Member**, Alex Brooks, Neuroscience Program, *University of Illinois Urbana-Champaign*, Urbana, IL.
2017	**Preliminary exam committee member**, Stephanie Matt, Neuroscience Program, *University of Illinois Urbana-Champaign*, Urbana, IL
2017	**Qualifying exam committee member**, Sara Westbrook, PhD student, Department of Psychology, *University of Illinois Urbana-Champaign*, Urbana, IL
2017	**Qualifying exam committee member**, Tiffany Yang, PhD student, Department of Psychology, *University of Illinois Urbana-Champaign*, Urbana, IL

2017	**Qualifying exam committee member**, Francheska Merced-Nieves, PhD student, Neuroscience Program, *University of Illinois Urbana-Champaign*, Urbana, IL
2015-2017	**Research Scientist Supervisor**, Don Armstrong, Carl R. Woese Institute for Genomic Biology, *University of Illinois Urbana-Champaign*, Urbana, IL (Co-supervised with D. Wildman).
2016	**Dissertation Committee Member**, Petra Majdak, Neuroscience Program, *University of Illinois Urbana-Champaign*, Urbana, IL.
2016	**Preliminary exam committee member**, Alex Brooks, Neuroscience Program, *University of Illinois Urbana-Champaign*, Urbana, IL
2016	**Qualifying exam committee member**, Carly Drzewiecki, PhD student, Neuroscience Program, *University of Illinois Urbana-Champaign*, Urbana, IL
2015	**Qualifying exam committee member**, Alex Brooks and Stephanie Matt, PhD students, Neuroscience Program; and Mary Rogers, Department of Anthropology, *University of Illinois Urbana-Champaign*, Urbana, IL.
2012-2013	**Dissertation Committee Member**, Natalie Jameson, Center for Molecular Medicine and Genetics, *Wayne State University*, Detroit, MI.
2012-2014	**Postdoctoral Supervisor**, Lisa Nevell, Center for Molecular Medicine and Genetics, *Wayne State University*, Detroit, MI. (Co-supervised with D. Wildman).
2022 (Spring)	**Rotation Supervisor**, Charles Arnold, MSPH student, Genomics Program, College of Public Health, *University of South Florida*, Tampa, FL.
2021 (Winter)	**Rotation Supervisor**, Zoe Taylor, MSPH student, Genomics Program, College of Public Health, *University of South Florida*, Tampa, FL.
2014 (Winter)	**Rotation Supervisor**, Amara Sugalski, CMMG PhD Candidate, *Wayne State University*, Detroit, MI.
2012 (Summer)	**Rotation Supervisor**, Arash Kairandish, MD/PhD Candidate; and Carol Noronha, Summer Undergraduate Research Participant, *Wayne State University*, Detroit, MI.
2010	**Dissertation Committee Member**, Jennifer Smith, Department of Epidemiology, *University of Michigan*, Ann Arbor, MI.
2010-2011	**Master's thesis supervisor**, Lauren Johns, Department of Epidemiology, *University of Michigan*, Ann Arbor, MI.
2009-2010	**Postdoctoral Supervisor**, Satoshi Toyokawa, Department of Epidemiology, *University of Michigan*, Ann Arbor, MI.

III. Mentoring: Undergraduate Students

2024-2025	**Honors Undergraduate Research Supervisor**, Bruno Young deCastro, *University of South Florida*.
2023-2024	**Undergraduate Research Supervisor**, Quynh Anh Nguyen, *University of South Florida*.
Spring 2023	**Undergraduate Research Supervisor**, Maya Balkaran, *University of South Florida*.
2/2019-5/2020	**Undergraduate Research Supervisor**, James Occean, *University of South Florida*. James received a Bachelor of Science in Biomedical Sciences at USF

	and conducted research in my laboratory to learn wet lab techniques and computational approaches relevant to his interests in understanding the biologic embedding of stress and trauma in Haitian populations. His interests led to a first author publication.
2/2017-5/2018	**Undergraduate Research Supervisor**, Susan Rudahindwa, *University of Illinois at Urbana-Champaign*. Susan completed an individually-designed major in Neuroscience and took research credits in my laboratory. She completed a project that contributes to our funded U01 with the University of Rwanda, in which she tested for differences in PTSD symptom domains among survivors of the Rwandan genocide and their offspring compared to demographically matched controls that led to a first author publication.
8/2016-12/2017	**Undergraduate Research Supervisor**, Aishwarya Raj, *University of Illinois at Urbana-Champaign.* Aishwarya is a Biochemistry major who took research credits in my laboratory. She was awarded a summer research opportunity award from the school of Molecular and Cellular Biology to support her research in my lab during the summer of 2017.
2015-2017	**Undergraduate Research and Thesis Supervisor**, Myrna Sobhy, Undergraduate thesis title: Stress is Associated with Increased DNA Methylation in Select HPA-Axis Genes in the Rodent Adrenal Gland, *University of Illinois at Urbana-Champaign.*
2015 (Summer)	**Rotation Supervisor**, Lucas Schad, Summer student from the University of Minnesota, supported by the UIUC-Mayo Clinic Alliance, *University of Illinois at Urbana-Champaign.*
2013 (Summer)	**Rotation Supervisor**, Eren Sipahi, Summer Undergraduate Research Participant, *Wayne State University*, Detroit, MI. This work formed the basis for Eren's honor thesis, which was awarded a "high pass" grade.
2012 (Summer)	**Rotation Supervisor**, Carol Noronha, Summer Undergraduate Research Participant, *Wayne State University*, Detroit, MI. Carol collected original data that contributed to a publication on which she became an author (Bustamante et al., 2016).