

Michael A. Rosario, B.S.

Curriculum vitae

72. E. Concord Street, R-1003

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ACADEMIC DEGREES

Graduate Program for Neuroscience, PhD Candidate **2017 - Present**

Advisor: Karin Schon Ph.D., Brain Plasticity and Neuroimaging Laboratory

Boston University School of Medicine

Bachelor of Science Degree in Psychology - *magna cum laude* **2017**

The University of the Virgin Islands

HONORS/AWARDS

Neuroscience Scholars Program Fellow **2020**

Marine Biological Laboratory SPINES Society for Neuroscience Travel Award **2019**

Marine Biological Laboratory SPINES Fellow **2019**

Robert Wood Johnson Foundation Health Policy Research Scholars Fellowship
(\$120,000 – 4 years) **2018**

Ford Foundation Predoctoral Fellowship (honorable mention) **2018**

Boston University Graduate Medical School Fellowship Honorarium **2018**

University of the Virgin Islands Research Day Best Poster Presentation Award **2017**

Association of Virgin Islands' Psychologist Julianna Zinn Award (distinguished
undergraduate research) **2017**

Dean's List – University of the Virgin Islands **2015 - 2017**

National Institute of General Medicine Sciences Research Initiative for Research
Enhancement Scholar **2015 - 2017**

Annual Biomedical Research Conference for Minority Students Outstanding
Poster Presentation Award for Neuroscience **2016**

Boston University School of Medicine STaRS research program **2016**

National Health Disparities Conference Travel Award **2016**

MEMBERSHIP in PROFESSIONAL SOCIETIES

Alzheimer's Association ISTAART **2020**

Society for Neuroscience Neuroscience Scholars Program **2019**

Society for Neuroscience **2019**

Cognitive Neuroscience Society **2018**

Psi Chi International Honor Society in Psychology **2016**

Golden Key National Honour Society **2015**

INVITED TALKS

**Does Racism-Related Chronic Stress Modulate Hippocampal Memory Function in Older
Black Adults**

University of the Virgin Islands

St. Croix, USVI

October 2019

SCIENTIFIC POSTERS

Alzheimer's Association International Conference

July 2020

Perceived Control Attenuates the Relationship between Experiences of Discrimination and Left Amygdala Volume in Older Adults

Michael A. Rosario, Amara Ayoub, Razan Alotaibi, Uraina S. Clark & Karin Schon

Cognitive Neuroscience Society Conference

May 2020

Cortisol and Experiences of Discrimination Modulate Medial Temporal Lobe Structures in Older Adults

Michael A. Rosario, Amara Ayoub, Razan Alotaibi, & Karin Schon

Boston University School of Medicine Henry I. Russek Student Achievement Day

Boston, MA

May 2019

Cardiorespiratory Fitness is Associated with Cortical Thickness, but not Surface Area of the Entorhinal Cortex

Michael A. Rosario, Rachel K. Nauer, Matthew F. Dunne, Thomas W. Storer, & Karin Schon

New England Science Symposium

Boston, MA

February 2019

Cardiorespiratory Fitness is Associated with Cortical Thickness, but not Surface Area of the Entorhinal Cortex

Michael A. Rosario, Rachel K. Nauer, Matthew F. Dunne, Thomas W. Storer, & Karin Schon

Annual Biomedical Research Conference for Minority Students

Indianapolis, IN

November 2018

Abstract Acceptance: *Aerobic Fitness Negatively Predicts Recollection in Young Adults*

Zachary Croll-Nesbeth, **Michael A. Rosario**, & Karin Schon

Annual Biomedical Research Conference for Minority Students

Phoenix, AZ

November 2017

The Associations between Depressive Symptoms and Cortical Thickness as Modulated by Aerobic Fitness

Reagan Katulege, **Michael A. Rosario**, Kathryn L. Kern, & Karin Schon

International Neuropsychological Society Conference

New Orleans, LA

February 2017

Cardiovascular Fitness is Positively Correlated with Left Entorhinal Cortical Thickness

Michael A. Rosario, Andres Velez-Lopez, Rachel K. Nauer, & Karin Schon

Annual Biomedical Research Conference for Minority Students

Tampa, FL

November 2016

Cardiovascular Fitness is Positively Correlated with Left Entorhinal Cortical Thickness

Michael A. Rosario, Andres Velez-Lopez, Rachel K. Nauer, & Karin Schon

National Conference on Health Disparities

Washington D.C.

March 2016

Exploring the Determinants of Men's Health in the USVI

Michael A. Rosario, Janis Valmond, & Gloria Callwood

EXPERIENCE

Boston University School of Medicine

2017 – Present

Brain Plasticity and Neuroimaging Lab - PhD Student

Researching the neuromodulatory impact of chronic psychosocial stress on mnemonic discrimination, a component of episodic memory using behavioral, as well as structural and functional neuroimaging techniques in a diverse sample of older adults.

Health Policy Research Scholars

2018 – Present

Brain Plasticity and Neuroimaging Lab - PhD Student

Public health and policy training on the application of PhD research to advance efficacious, equitable, and inclusive policies to affect and impact a culture of health.

Marine Biological Laboratory

June 2019 – July 2019

Summer Program in Neuroscience, Excellence and Success

Professional development, research training using 2-photon of larval zebrafish, and computational analysis of calcium imaging data using Matlab during a three-week summer intensive.

Boston University School of Medicine

September 2016 – August 2017

Brain Plasticity and Neuroimaging Lab - Research Assistant

Researching the effect of aerobic fitness on brain structure and spatial learning and memory, as well as assisting undergraduate students in basic research.

Disability Rights Center of the Virgin Islands

January 2017 – May 2017

University of the Virgin Islands - Intern

Helped determine the needs of constituents for the upcoming year using a community needs assessment via survey. Completed analysis and recommended using an online survey tool for survey improvement.

The University of the Virgin Islands

August 2016 – May 2017

National Institute of General Medical Sciences' Research Initiative for Research Enhancement (NIGMS-RISE) Scholar

Extraction and decoloration assay of algae substrates for hydrophilic and lipophilic antioxidant activity using a UV Vis Spectrophotometer and trolox standard collected from local beaches on the island of St. Croix.

Boston University School of Medicine

May 2016 – August 2016

Summer Training as Research Scholars Program

Conducted an exploratory surface-based brain analysis using FreeSurfer for a cohort of 25 young adults as an undergraduate research assistant. Identified maximum aerobic capacity as a significant predictor of left entorhinal cortical thickness.

The University of the Virgin Islands

August 2015 – May 2016

NIGMS RISE Scholar

Research assistant on a NIMHD-funded mixed-methods study. Solicited community participants for surveys on the causes of higher morbidity and mortality of Black men in the US Virgin Islands using concept mapping analyses.

LEADERSHIP, COMMUNITY SERVICE/OUTREACH, and OTHER

Graduate Program for Neuroscience - Diversity, Equity, Inclusion, and Justice Committee
Committee Member **June 2020 – Present**

Helped found the GPN DEIJ Committee, a joint student-faculty led committee to address issues of diversity, equity, inclusion, and justice within the program. Crafted the mission statement for the committee to ensure action-oriented measures would be taken to support Black, Indigenous, and People of Color students, faculty, post-docs, and staff associated with GPN and to ensure inter-departmental collaborations in neuroscience-affiliated programs.

Underrepresented Graduate Student Organization - STEAM Academic Symposium
Vice-President & Co-Chair **November 2018 – Present**

The UGSO planning committee seeks to bring together underrepresented students from the science, technology, engineering, arts, and mathematics fields to share ideas and fellowship while presenting their own work. It also serves as a forum to meet with professors who are underrepresented in higher education.

New England Science Symposium - Academic Symposium Planning Committee
Volunteer **August 2019 – April 2020**

The New England Science Symposium provides a forum for underrepresented post-doctoral fellows, medical, graduate, undergraduate, and post-baccalaureate students to showcase their research via oral or poster presentations, build a professional network, and engage in career discussions.

***Grad School Sucks for Persons of Color* - Underrepresented Graduate Student Organization**
Co-Chair **May 2019**

The Underrepresented Graduate Student Organization is a Boston University campus-wide organization that seeks to bring together students from different fields to share their experiences. During this event we created a space for students to discuss barriers to education and community at Boston University in order to share tangible needs with the Boston University administration.

Graduate Program for Neuroscience - ABRCMS
Program Representative **November 2018**

Attended the Annual Biomedical Research Conference for Minority Students national science conference with the GPN as a current student to interact with and recruit underrepresented students from across the country for the program.

***What does a scientist look like?* - Boston University BEST**
Panelist **October 2018**

Participated on a panel to discuss how I navigated the process into graduate school to underrepresented undergraduate students from different universities in the Greater Boston Area.

Summer Training as Research Scholars Program – ABRCMS
Program Representative **November 2017**

Attended the Annual Biomedical Research Conference for Minority Students national science conference with the STaRS program as an alum to interact with and recruit underrepresented students from across the country for the program.

Boston Area Health Education Center (BAHEC) Program
Panelist **October 2017**

Participated on a career panel for different career trajectories in health care professions as part of a new program to prepare Boston-area high school students for postgraduate education. Communicated my research and personal experiences and trajectory through undergraduate and postgraduate schooling to underrepresented high school students, and answered questions posed by students regarding potential pitfalls in getting into college.

Diversity in Science - Summer Training as Research Scholars Program

Panelist

July 2017

Participated on a panel discussing issues concerning being an underrepresented student in a predominantly white institution, how representation is not the only answer in solving a lack of diversity in postgraduate studies, and challenges finding and identifying a mentor at your home institution.

Psi Chi, University of the Virgin Islands

President

August 2016 – May 2017

Worked in conjunction with our university's Psychology Club to initiate a lecture series by local psychologists and researchers.

OneLove (Gay Straight Alliance), University of the Virgin Islands

President

August 2015 – May 2017

Spearheaded creation of first Gay, Lesbian, Bisexual, Transgender, and Queer organization at the University of the Virgin Islands to improve communication and support for LGBTQ students, faculty, and staff. Drafted diversity statement for the University of the Virgin Islands to incorporate gender and sexual minorities.

Psychology Club, University of the Virgin Islands

Vice-President

August 2015 – May 2016

Supported organization and members in multiple university and community-wide events, including the planning and coordination of the International Survivors of Suicide Loss Awareness Day.

VI Caribbean Cultural Center Journal, University of the Virgin Islands

Student Editor-in-Chief

August 2015 – May 2017

Created student publication, *Who We Be*, centered around Caribbean cultural identity and acted as Student Editor-in-Chief.