



RESEARCH DAY

Roger McIntosh , PhD

Effects of Stress and Trauma on Neurocognitive Outcomes in at risk populations

Dr. Roger McIntosh is an Assistant Professor at the University of Miami, Department of Psychology, Health Division and the Director of the BREATH Lab. Dr. McIntosh earned his Ph.D. from Florida Atlantic University in 2012 and began his career at the University of Miami the same year as a postdoctoral fellow on the NIMH-T32 Training Grant (MH018917) where his training focused on the psychoneuroimmunological mechanisms of chronic HIV-1 infection.

As an Associate Professor within the Health Division his psychological research interests range from understanding the impact of mood disturbances such as anger and depression to psychosomatic disturbances like alexithymia on health outcomes in persons living with HIV/AIDS. Dr. McIntosh's neuro-based work utilizes functional magnetic resonance imaging to elucidate the effects of age and chronic disease on neuroendocrine regulation and neurocognitive functioning in the executive function, learning and memory domains. His immune-based work focuses on the bidirectional effects of systemic inflammation on cardiovascular, central and autonomic nervous systems in persons living with HIV/AIDS. As director of the BREATH Lab, Dr. McIntosh supervises neuropsychological, cardioautonomic and cardiorespiratory assessment. In addition, the lab conducts flow cytometric analysis to characterize inflammatory-immune and endothelial cell populations, as well as functional magnetic resonance imaging to quantify cerebral perfusion, brain metabolite spectroscopy, resting state functional connectivity, and task-based activity. This multi-modal interdisciplinary approach not only facilitates discovery in health neuroscience but provides hands-on training for health and cognitive behavioral neuroscience trainees. Dr. McIntosh is currently supported by the National Heart, Lung and Blood Institute K01 mechanism (HL139722-01, McIntosh (PI), 2/6/2018 - 2/5/2023) to examine HIV-related alterations to the central-autonomic nervous system and associated risk for developing hypertension.

Friday, December 3rd, 2021

1:30 p.m. EST



Scan to learn more!

To RSVP and attend via zoom please register at:

https://umiami.qualtrics.com/jfe/form/SV_6QA2agDWpS4pkwe

For additional information, please contact:

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RESEARCH DAY AGENDA

Friday , December 3rd , 2021

1:00 – 1:30 p.m. Registration

1:30- 2:30 p.m. Presentation

Dr. Roger McIntosh, Associate Professor Department of Psychology University of
Miami Division of Health
Cognitive and Behavioral Neuroscience
Room 428, – 2nd Floor SONHS

2:30 – 3:00 p.m. Pre-recorded Poster Presentations

Room 428 – 2nd Floor SONHS

3:00 – 4:00 p.m. In-person Poster Presentations

Simulation Hospital, Auditorium Lobby – 2nd Floor
MHRT Cohort 2020-2021

Student	Project	Research Site
Carolina Scaramutti	Impact of COVID 19 on family functioning and mental health of migrant women in Peru and Miami.	Peru
Hayley McLean	Pharmacotherapeutic analysis. Comparison of the response to different pharmacological therapies and their association with the patient's perception and the reach of therapeutic goals.	Mexico
Matta Sannoh	Chronic Disease and the Impact of Cannabis Among Racial and Ethnic Minority Populations	Jamaica
Stacey Bevan	Nutritional status and its relationship with the consumption of amaranth seed in preschool aged children	Mexico
Lilian Bravo	Participant and interventionist evaluation of the Computer Assisted Family Intervention to Treat Self-Harm Disparities in Latinas and Sexual/Gender Minority Youth (CACIFFTA)	Colombia
Stefan Williams	Heart Inflammation and Mental Stress Study (HIMS)	Miami
De'Asia Harris	Use of electronic cigarettes and gender differences in university students of Pontificia Universidad Católica Madre y Maestra	Dominican Republic
Brandie Bentley	Chronic Disease and the Impact of Cannabis Among Racial and Ethnic Minority Populations	Miami
Dulce Gomez	Exploring the intracellular life style of Brucella neotomae	Costa Rica
Jennifer Francisco	Antibody neutralization profiles in human and wildlife sera against arboviruses	Costa Rica
Gerardo Lazaro	Hispanic Parent-Child Communication Study	Miami
Dailianys Barrios	Capacity prevention for cardiovascular disease in Colombian local health departments(assessment component)	Colombia
Bria Necole Diggs	The Impact of Cannabis Use on People Living with Chronic Disease in Jamaica and South Florida	Miami