

Larry Keen II, Ph.D.
Associate Professor of Health Psychology
Director of Behavioral and Community Health Sciences Program
Department of Psychology
Virginia State University
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www.PNIRD.com

EDUCATION:

Postdoctoral Fellowship	2012-2014	University of Florida Department of Clinical and Health Psychology
Ph.D.	2009-2011	Howard University Major: Neuropsychology Minor: Personality
M.S.	2005-2009	Howard University Major: Neuropsychology Minor: Personality
B.A.	2001-2005	North Carolina Agricultural and Technical State University B.A. Psychology

Grants:

Funded Extramural Grants

Title: Cannabis Nexus Initiative: Cannabis and Heart Rate Variability Study in HBCU Students

Effective Dates: 08/03/2021 – 08/02/2024

Source: National Institute on Drug Abuse

Principal Investigator: Larry Keen II

Amount: \$430,014

Title: Research Supplement to Promote Diversity in Health-Related Research

Effective Dates: 05/01/2019 – 04/30/2021

Source: National Center for Advancing Translational Sciences

Principal Investigator: Frederick Gerard Moeller

Title: The Effects of Racial Discrimination and Social Support as Determinants of HIV Health Outcomes and the potential mediating effect of Executive Function in HIV+ Heterosexual Black Men.

Effective Dates: 11/01/2013 - 10/31/2015

Source: HIV Investigation Science Training Program (National Institute on Mental Health)

Principal Investigator: Larry Keen II

Title: Minority Postdoctoral Fellowship Supplemental Application (R01 DA029894)

Effective Dates: 7/01/2012 - 6/30/2014

Source: National Institute on Drug Abuse

Principal Investigator: William W. Latimer

Funded Intramural Grants

Title: Effect of Cannabis on Brain Connectivity Associated with maternal Attachment: A Pilot Study in Postpartum Women

Effective Dates: 06/01/2020 – 05/30/2022

Source: Virginia Commonwealth University Wright Center for Clinical and Translational Research: Pilot Imaging Fund

Co-Principal Investigator: Larry Keen II

Title: Using SMS as a Means to Enhance the Effectiveness of Sugar Sweetened Beverage Interventions for Urban African American Children

Effective Dates: 11/20/2017 - 11/20/2018

Source: Center for Agricultural Research Engagement & Outreach (Virginia State University)

Co-Principal Investigator: Larry Keen II

Awards and Honors:

2015 – 2017 Program to Increase Diversity Among Individuals Engaged in Cardiovascular Health-Related (PRIDE) Scholar
State University of New York Downtown Medical Center/National Heart Lung Blood Institute

2013 – 2016 HIV Intervention Science Training Program Scholar
Columbia University/National Institute on Mental Health

2013 Travel Award to Attend American Psychological Association Annual Convention
National Institute of Drug Abuse
\$1000

RELATED EXPERIENCE:

2014 – Present **Virginia State University, Department of Psychology**
Associate Professor and Director of the PNIRD Lab

- Mentoring undergraduate and graduate students in data analyses, manuscript preparation, conference presentations, and grantsmanship.
- Conducting the IRB approved study, “Parasympathetic And Neurocognitive influences on Drug Abuse (PANDA)” (N=400).
- Completed the IRB approved study, “*Substance Use Patterns and Disorder Evaluation Study*” (N= 209) in undergraduate students.
- Conducted the IRB approved study, “*The Neuropsych Study*” (N=216) in undergraduate students.
- In the data analysis phase of the IRB approved study, “*The Checkpoint Survey Study*” (N=1708) in undergraduate students.
- Co-Investigator on the IRB approved study “Math Anxiety and Cognitive Improvement in African American College Students”
- Grant preparation and submission

2015 – 2018 **Institute for Drugs and Alcohol Studies, Virginia Commonwealth University**

Affiliate Investigator

- Co-Investigator on the IRB approved study “Interactive Effects of Chronic Opiates and HIV on Human Brain and Behavior”
- Exploring the intersection between marijuana, cocaine, and opiate use, neurocognitive function and cytokine levels in a community based sample of HIV positive adults.

2012 – 2014

University of Florida, Department of Clinical & Health Psychology *Postdoctoral Fellowship*

- Manuscript Preparation
- Grant Writing Experience
- Design and analyses of first and co-authored manuscripts
- Qualitative and quantitative study design
- IRB proposal preparation and submissions
- Principal investigator for a pilot study examining neuropsychological and psychosocial determinants of cytokine function and HIV-related outcomes in HIV positive heterosexual Black men.
- Principal investigator for a pilot study of HIV positive heterosexual Black men examining neuropsychological and psychosocial determinants of highly active antiretroviral therapy adherence.
- Presentation of research projects at professional conferences/meetings

2011 – 2013

Study of Cognitive Aging *Research Consultant*

- Data cleaning and analyses utilizing SPSS software
- Mentoring research assistants
- Preparing analyses for conference presentations and publications

2009 – 2011

Heart Rate Variability, Executive Function and Attention *Dissertation Project*

- “Tonic Measurements of Heart Rate Variability, Attention and Executive Function”
- Principal investigator
- Designed protocol for the project
- IRB proposal preparation and submission
- Administration of questionnaires and neurocognitive tasks
- Attachment of ambulatory monitoring system to participants
- Data entry, cleaning, and analysis utilizing SPSS and the CMetX program
- Training and mentoring of research assistants
- CITI certification

2009

AARP *Marketing analyst*

- Performed data analysis for annual report on customer satisfaction
- Utilized SPSS software and excel for data analysis

2009

Howard University

Master's Thesis

- “The Relationship between Lipids and Verbal Memory”
- Project conceptualization and design
- Data entry, cleaning, analysis, and interpretation

2008 – 2009

R.I.S.E. (Research Initiatives for Student Enhancement) Program through Johns Hopkins University

Extern/Research Assistant

- HIPPA certification (2008-09, 2010-11)
- Analyzed data in Fragile X Syndrome and Down Syndrome patients
- Performed data analysis utilizing StatView software
- Voxel-Based Morphometry analysis using SPM2 and SPM5 software
- Mapped coordinates utilizing Talairach Client (S.A.)
- Conversion of MRI scans using Blocks Software
- Dataset(s) cleaning and management

2005 – 2011

Minority Organ Tissue Transplant Education Program (MOTTEP) Stress and Psychoneuroimmunological Factors in Renal Health and Disease Study

Research Assistant

- Collect neurocognitive data through administration of a neuropsychological battery; oversee completion of self-report measures and physiological measurements
- Assist in recruitment of an urban community sample
- Enter/clean overall study data (encompassing 2000+ variables)
- Experience in working with CMetx Program to derive Heart Rate Variability Metrics
- Experience working with Heart Analysis Program
- Data analysis for various presentations (class room and professional)
- Organize and facilitate research meetings
- Train test administrators
- Involved in grant application and evaluation
- CITI course certification (Fall 2006-10)

2005

North Carolina Agricultural and Technical State University

Undergraduate research assistant

- Project involved creation of word list memory task (similar to the CVLT). Collected subsequent qualitative as well as quantitative data
- Performed group interviews and qualitative data analysis with regard to cardiovascular health.
- Analyzed of data collected using SPSS

Publications:

Keen II, L., Turner, A., Harris, T., George, L., & Crump, J. (2021). Differences in Internalizing Symptoms Between Those with and without Cannabis Use Disorder Among HBCU Undergraduate Students. *Journal of American College Health*. *In Press*

Park, T. S., Ravindra, K., Chiabrande, J. G., Del Buono, M. G., van Wezenbeek, J., Trankle, C. R., **Keen, L.**, ... & Abbate, A. (2021). Comparison of Cardiorespiratory Fitness in Black or African American Versus Caucasian Patients With Heart Failure. *Journal of Cardiopulmonary Rehabilitation and Prevention*.

Ravindra, K., Del Buono, M. G., Chiabrando, J. G., Westman, P., Bressi, E., Kadariya, D., ... **Keen II, L.**, & Abbate, A. (2021). Clinical features and outcomes between African American and Caucasian patients with Takotsubo Syndrome. *Minerva Cardioangiologica*, 11.

Keen, L., *George, L., *Williams, G., *Blanden, G., & *Ramirez, M. (2020). Assessing the validity of the Self-Report Webexec Questionnaire: Self-report vs performance neurocognitive inferences. *Applied Neuropsychology: Adult*, 1-9.

Keen II, L., Abbate, A., Clark, V., Moeller, F.G., & Tan, A. Differences in Heart Rate Among Recent Marijuana Use Groups. *Minerva Cardioangiologica* 2020 - in press.

Keen II, L., Arias, A., Abbate, A., & Moeller, F.G. (2020). Heart Rate Variability as a Link Between Brain-Elicited Substance Cues and Substance Use Severity. *Biological Psychiatry: CNI* 2020 - in press.

Keen II, L., Tan, A., & Abbate, A. (2020). Inverse Associations Between Parasympathetic Activity and Cognitive Flexibility in African Americans: Preliminary Findings. *International Psychophysiology*.

Keen II, L., Ma, L., & Abbate, A. Epidemiology of Cannabis Use Disorder: Neural Substrates & Treatment. 2020 – in press. Oxford Press. [Book Chapter]

Keen II, L., Harris, T., Blanden, G.*, & George, L.*, Williams, G.* (2019). The Self-Compassion Scale's Validity in a HBCU Undergraduate Sample. *Virginia Social Science Journal*, 53, 72-81.

Callender, C.O., Mwendwa, D.T., Gholson, G., Wright, R.S., **Keen, L.**, Adesibikan, B., Madhere, S., Apprey, V., Bonney, G., Michael, M., Magnus-Lawson, B., Ivy, G., Idris-Suleiman, L., Hernandez, A., Herren, O., & Campbell, A.L. (2019). BMI, waist size, GFR: In African American Blacks. *Journal of Obesity and Weight-loss Medication*.

Blanden, G.*, Butts, C.*, Reid, M., & **Keen, L.** (2018). Self-Reported Lifetime Violence Exposure and Self-Compassion Associated With Satisfaction of Life in Historically Black College and University Students. *Journal of Interpersonal Violence*, 0886260518791596.

Keen II, L., Abbate, A., Blanden, G.*, Priddie, C.*, Rathore, M. Biologically Confirmed Marijuana Use and HIV-Related Immunity in Heterosexual Black People Living with HIV. **In Press: Drug and Alcohol Dependence**.

Keen II, L., Turner, A., Pereira, D., Callender, C., Campbell, A. The Psychoneuroimmunological Influences of Marijuana Use: Past and Future Directions. *New Trends and Advanced Methods in Interdisciplinary Mathematical Sciences, STEAM-H: Science In Press*.

Sceidell, J., Lejuez, C., Golin, C., Adimora, A., Wohl, D., **Keen II, L.**, Hamond, M., Judon-Monk, S., Khan, M. (2017). Patterns of Mood and Personality Factors and Associations with STI-HIV-Related Drug and Sex Risk among African American Inmates: Heightened Vulnerability of Men with Antisocial Personality. *Substance Use & Misuse*, 1-10.

Keen II, L., *Blanden, G. *Rehmani, N. Lifetime Marijuana Use and Sexually Transmitted Infection Prevalence in a Sample of Black College Students. (2016). *Addictive Behaviors*.

Keen II, L., Turner, A. D. (2015). Differential effects of self-reported lifetime marijuana use on interleukin-1 alpha and tumor necrosis factor in African American adults. *Journal of behavioral medicine*, 1-8.

Keen II, L., Turner, A. D., Mwendwa, D., Callender, C., & Campbell Jr, A. (2015). Depressive Symptomatology and Respiratory Sinus Arrhythmia in a Non-Clinical Sample of Middle-Aged African Americans. *Biological psychology*.

Scheidell, J. D., Clifford, L. M., Dunne, E. M., **Keen II, L. D.,** & Latimer, W. W. (2015). Gender Differences in Planning Ability and Hepatitis C Virus among People who Inject Drugs. *Addictive Behaviors*.

Keen II, L., Ennis Whitehead, N., Clifford, L. Rose, J., Latimer, W. (2014). Perceived Barriers to Treatment in a Community-Based Sample of African American Men and Women. *Journal of Psychoactive Drugs*.

Keen II, L., Turner, A. (2014). The Influence of Interleukin-6 on Neurocognition as a Function of Lifetime Marijuana Use in a Community Based Sample of African Americans: *Journal of International Neuropsychology*.

Keen II, L., Pereira, D., Latimer, W. (2014). Self-Reported Lifetime Marijuana Use and Interleukin-6 Levels in Middle-Aged African Americans. *Drug and Alcohol Dependence*.

Keen II, L., Khan, M., Clifford, L., Harrell, P., Latimer, W. (2014). Differences in Prevalence of HIV and HCV between Blacks and Whites Based on Patterns of Injection and Non-Injection Drug Use in Baltimore City. *Journal of Addictive Behaviors*.

Keen II, L., Dyer, T., Ennis Whitehead, N., Rose, J. and Latimer, W. (2014). Binge Drinking and Stimulant Use Associated with HIV Status in Heterosexual African American Men. *Journal of Addictive Behaviors*.

Whitehead Ennis, N., Trenez, R., **Keen II, L.,** Rose, J., Latimer, W. (2013) Younger versus Older African Americans: Patterns and Prevalence of Illicit Drug Use. *Journal of Aging and Health*.

Mwendwa, D., Sims, R., Madhere, S., Thomas, J., **Keen II, L.,** Callender, C., & Campbell Jr., A. (2012) The Influence of Coping with Perceived Racism and Stress on Lipid Levels in African Americans. *Journal of the National Medical Association*

*Student Author(s)

PRESENTATIONS

“Cardiovascular Health Disparities among African Americans” Research presented at the South Eastern Psychological Association (SEPA) Conference, Memphis, Tennessee, 2005.

“The Relationship between Body Mass Index and Executive Functioning.” Research presented at the Howard University 1st Annual Hicks Symposium, Washington, DC 2006

“Indices of Lipid Metabolism and Blood Pressure as Predictors of CVLT Performance in a Community Based Cohort of African Americans.”

Research presented at the Black Graduate Student Conference, Washington, DC 2007.

“Lipid Predictors of CVLT Performance in a Community-Based Cohort of African Americans.” Research presented at the Howard University Graduate School Annual Research and Honors Conference, Washington, DC 2007.

“Demographic, Psychosocial, Medical and Physiological Correlates of Body Mass Index.” Research presented at the NIH Conference, Washington, DC 2007.

“Metabolic Risk Factors and Verbal Learning and Memory.” Research presented at the Howard University Graduate School Annual Research Symposium and Honors Day, Washington, DC 2008.

“Cardiovascular Risk Factors and Memory.” Research presented at the National Black Graduate Conference in Psychology, Ann Arbor, Michigan, 2008.

“Simple and Unique Effects of Age and Heart Rate Variability on Psychomotor Speed.” Research presented at the Psychosomatic Medicine Society Annual Conference, Chicago, IL 2009.

“Structural Neuroimaging Correlates of Autism and Social Anxiety in Boys with Fragile X Syndrome.” Research presented at the NFFX International Fragile X Conference. Detroit, MI, 2010.

“Spectral Heart Rate Variability and C-Reactive Protein in a Community-Based Sample of African Americans” Research presented at the Cleveland Clinic Heart-Brain Summit Annual Conference, Las Vegas, NV 2010.

“Cardiac Autonomic Regulation and Depressive Symptomatology in a Healthy College Sample” Research presented at the American Psychosomatic Society annual conference, San Antonio, TX 2011.

“Autonomic Space and Executive Function in a College Sample” Research presented at the Society for Psychophysiological Research annual conference, Boston, MA 2011

“Depressive Symptomatology and Heart Rate Variability in Non-Clinical Middle-Aged African Americans” Research Presented at the American Psychosomatic Society annual conference, Miami, FL 2013.

“Differences in prevalence of HIV and HCV between Blacks and Whites based on patterns of Injection and non-injection drug users in Baltimore City” Research Presented at the College on Problems of Drug Dependence annual conference, San Diego CA 2013.

“Differences Between Readiness to Change Item Endorsement Groups: The 13th Floor of Change” Research Presented at the American Psychological Association’s annual conference, Honolulu, HI 2013.

“Influence of Interleukin-6 on Neurocognitive Performance in A Community-Based Sample of African Americans” Research Presented at the International Neuropsychological Society annual conference, Seattle, WA 2014.

“The Influence of Interleukin-6 on Neurocognition as a Function of Lifetime Marijuana Use” Research Presented at the College on Problems in Drug Dependence annual conference, San Juan, PR 2015

“Psychoneuroimmunological Influences of Marijuana Use” Research Presented at the Science Technology Engineering Agriculture Mathematics and Health (STEAM-H) Seminar Series at Virginia State University, Petersburg, VA 2016

TEACHING

2014-Present

Virginia State University

Associate Professor & Director of the Behavioral and Community Health Sciences Track in the Health Psychology in the Psychology Department

- Taught undergraduate Physiological Psychology, Experimental Psychology, Drugs and Behavior courses
- Taught graduate Health Promotion and Behavioral Science, Research Methods in Clinical and Health Psychology and Clinical Psychopharmacology courses
- Created and Implemented graduate student workshop series “Manuscript Central” (10 sessions)

2015 - 2016

University of Richmond Alliance Summer Program

MCAT Prep Course Professor

- Taught MCAT prep course to undergraduate students selected to take part in the Nebraska-Virginia Alliance

2013-2014

Santa Fe College

Adjunct Faculty in the Department of Social Sciences

- Taught General Psychology and Developmental Psychology
- Design syllabus, structure course, prepare and implement course lecture, exams and assignments

2013

University of Florida

Guest Lecturer

- Title: “Health-Risk Behaviors and Community Health”
- Course: Behavioral Medicine; Department of Clinical and Health Psychology

2012

South Carolina State University

Assistant Professor of Psychology

- Taught Introduction to Psychology (Non-Major); Developmental Psychology (Child); Theories in Personality
- Design syllabus, structure course, prepare and implement course lecture, exams and assignments

2010

ACT College (Manassas Campus)

Part Time Faculty Member

- Taught General Psychology
- Prepare and implement course lecture, exams and assignments
- Teach five (5) week “modules”

2009

George Washington University

Guest Lecturer

- Title: “Etiology and Neuropsychology of Intrauterine Drug Exposure”
- Course: Public Health; School of Public Health

2009-2011

Northern Virginia Community College (Annadale & Alexandria Campus)

Adjunct Faculty Member

- Taught Introduction to Psychology (I&II); Human Development (I&II); Health Psychology; Research Methods
- Design syllabus, structure course, prepare and implement course lecture, exams and assignments
- Taught both eight week sessions and normal 16 week sessions throughout the semester

Master’s Theses

Ramirez Ruiz, Mara (Spring 2019). Determining Differences in Neurocognitive Performance Between Student Service Members and Civilian Students.

George, Lauren (Fall 2016). The Association Between Depressive Symptoms and Neurocognitive Performance as a Function of Being First Generation in HBCU Students.

Blanden, Gwenna (Summer 2016). The Effects of Family Cohesiveness, Peer Relationships, and Cognitive Dysfunction on Delinquency.

Dissertations

George, Lauren (Summer 2021). Cognitive Reserve as a Mediator between Alzheimer’s Disease Risk Factors and Working Memory in Young Adult African Americans.

Blanden, Gwenna (Spring 2019). The Influence of Interpersonal Trauma as a Function of Cognitive Functioning and Attribution Style on Delinquent Behaviors in Undergraduate College Students.

Professional Service

- Appointed to the Governor’s Cannabis Public Health Advisory Council
- Elected Chair of VSU Institutional Review Board
- Associate Editor for Minerva Cardiology and Angiology
- Invited reviewer for Journal of Addictive Behaviors
- Invited reviewer for Journal of Addiction Research and Therapy
- Invited reviewer for Journal of Drug and Alcohol Dependence
- Invited reviewer for the Journal of Stress and Health.

Professional Associations

- American Public Health Association (2008-09)
- American Psychosomatic Society (2008-09; 2011)
- Society for Psychophysiological Research (2011-2012)
- National Postdoctoral Association (2012-2014)

