

## Curriculum Vitae

### Luke Griffin Poole

Lgp34@kines.rutgers.edu

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607 Allison Road  
Smithers Hall, Room 109  
Piscataway, NJ 08854

## Education

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- Kinesiology and Applied Physiology, Ph.D.** (2021-present)  
Rutgers University, Piscataway, NJ  
Mentor: Brandon L. Alderman, Ph.D.  
Thesis: *TBD*
- Psychology, M.A.** (2019-2020)  
Boston University, Boston, MA  
Mentors: Alice Cronin-Golomb, Ph.D.; Robert Reinhart, Ph.D.  
Directed Study: An Error-Vigilant Cognitive Control System
- Psychology for credit** (2018-2019)  
Southern New Hampshire University, Manchester NH
- Clinical Exercise Science. B.S.** (2014-2018)  
Ithaca College, Ithaca, NY

## Research Experience

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- Rutgers Exercise Psychophysiology Laboratory** (2021–present)  
Graduate Research Assistant
- Cognitive and Clinical Neuroscience Laboratory** (2019-2020)  
Graduate Research Assistant
- Vision and Cognition Laboratory** (2019-2020)  
Graduate Research Assistant

## Publications

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### *Published*

Naeser, M.A., Martin, P.I., Ho M.D., Kregel, M.H., Bogdanova, Y., Knight, J.A., Hamblin, M.R., **Poole, L.G.**, Cheng, C.H., Koo, B.B., (1/23). Transcranial Photobiomodulation Treatment: Significant Improvements in Four Ex-Football Players with Possible Chronic Traumatic Encephalopathy. *Journal of Alzheimer's Disease Reports*, 7 (2023), 77-105  
DOI 10.3233/ADR-220022

## ***Abstracts***

- Poole, L.G.**, Ude, A.A, Sarwani, H.S., Perdue H.M., Kim, C.D., Bates, E.B., Alderman, B.L.  
Influence of co-occurring physical activity and alcohol use behaviors on inhibitory cognitive control. American College of Sports Medicine 2023 Annual Meeting and World Congress, Denver CO
- Sarwani, H.S , **Poole, L.G.**, Ude, A.A., Perdue H.M., Kim, C.D, Alderman, B.L., Bates, E.B.  
Neurocardiac dynamics during a 5 minute episode of resonance-paced breathing. Association for Applied Psychophysiology and Biofeedback
- Poole, L.G.**, Ude, A.A, Sarwani, H.S., Perdue H.M., Kim, C.D., Bates, E.B., Alderman, B.L.  
Examining cognitive control in young adult binge drinkers by alcohol sensitivity through a dual process model of addiction
- Poole, L.G.**, Bourque, J.R., Ude, A.A, Sarwani, H.S., Perdue H.M., Kim, C.D., Bates, E.B., Alderman, B.L. (4/11). Wait! Physical exercise is associated with latent inhibitory control benefits in young adult binge drinkers. Graduate Research in Interdisciplinary Biosciences, Piscataway NJ
- Poole, L.G.**, Ude, A.A, Sarwani, H.S., Perdue H.M., Kim, C.D., Bates, E.B., Alderman, B.L. (3/23). Associations between co-occurring alcohol use and physical activity: Influence on inhibitory control. Collaborative Perspectives on Addiction, Albuquerque NM
- Poole, L.G.**, King, S.B., Neergarder, S., Cronin-Golomb, A. (2/21). Exercise engagement in relation to motor symptoms and quality of life in Parkinson's disease. Abstracts, International Neuropsychological Society 46th Annual Meeting, San Diego CA.
- King, S.B., **Poole, L.G.**, Neergarder, S., Cronin-Golomb, A. (2/21). The relation between exercise and non-motor symptoms in Parkinson's disease. Abstracts, International Neuropsychological Society 46th Annual Meeting, San Diego CA.

## ***In Acknowledgements***

- King, S.B., Juneau, T., Kaplan, R.I., Pluim, C.F., Fox-Fuller, J.T., Wang, T., Mukadam, N., Neergarder, S., Salazer, R.D., Cronin-Golomb, A., Changes in Apathy, Depression, and Anxiety in Parkinson's Disease from before to during the COVID-19 Era. Brain Sciences (2023). 13(2), 199, DOI 10.3390/brainsci13020199

## ***In Preparation***

- Poole, L.G.**, Bourque, J.R., Dhruve, A, Ude, A.A, Sarwani, H.S., Perdue H.M., Alderman, B.L.,  
Lower physical health is associated with cognitive impairment in early stages of Schizophrenia. Manuscript in preparation.
- Poole, L.G.**, Bourque, J.R., Ude, A.A, Sarwani, H.S., Perdue H.M., Kim, C.D., Alderman, B.L.,  
Examining cognitive control in young adult binge drinkers by alcohol sensitivity through a dual process model of addiction. Abstract in preparation.
- Poole, L.G.**, Bourque, J.R., Dhruve, A.P., Alderman, B.L., A systematic review of physical activity and cardiorespiratory fitness on ERN. Manuscript in preparation.
- Poole, L.G.**, King, S.B., Neergarder, S., Cronin-Golomb, Determinants of exercise engagement in Parkinson's disease during COVID-19: An online study. Manuscript in preparation.

## **Honors and Awards**

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<b>Rutgers University</b>	
School of Graduate Studies First Year Dean's Fellowship	(2021)
<b>Boston University</b>	
Dean's List	(2020-2021)
<b>Ithaca College</b>	
Dean's List	(2016-2018)
Dunkin Hines Nutrition Scholarship	(2017)
African, Latino, Asian, Native American Scholarship	(2014-2018)

## **Presentations**

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<b>American College of Sports Medicine Annual Meeting and World Congress</b>	(6/23)
Influence of co-occurring physical activity and alcohol use behaviors on inhibitory cognitive control	
<b>Center for Center for Alcohol and Substance Use Studies Summer Symposium</b>	(6/23)
Examining cognitive control in young adult binge drinkers by alcohol sensitivity through a dual process model of addiction	
<b>Graduate Research in Interdisciplinary Biosciences</b>	(4/23)
Wait! Physical exercise is associated with latent inhibitory control benefits in young adult binge drinkers	
<b>Rutgers University Kinesiology and Applied Physiology Colloquium</b>	(10/22)
The influence of acute exercise and cardiorespiratory fitness on cognitive and affective processes	
<b>International Neuropsychological Society's 46<sup>th</sup> Annual Meeting</b>	(5/21)
Exercise engagement in relation to motor symptoms and quality of life in Parkinson's Disease	

## **Teaching Experience**

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<b>Rutgers University</b>	(2021-present)
Teaching Assistant for Functional Human Anatomy	
Graduate Research Assistant for Exercise Psychophysiology Laboratory	
<b>Boston University</b>	(2019-2020)
Graduate Research Assistant for Cognitive and Clinical Neuroscience Laboratory	
Graduate Research Assistant for Vision and Cognition Neuroscience Laboratory	

## Mentorship

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### Rutgers University Kinesiology and Applied Physiology Honor's Program

Dylan Hecker (2022-2023)

Current status: Applying to P.A. programs

Honor's Thesis:

*Selective attention to alcohol cues in young adult binge drinkers*

Anthony Brocato (2021-2022)

Current status: First-year DPT student at Rutgers Newark

Honor's Thesis:

*Influence of a single session of aerobic exercise on emotional reactivity among young and middle-aged adults*

Olivia Bradbury (2021-2022)

Current status: First-year DPT student at Drexel University

Honor's Thesis:

*Examining relations between cardiorespiratory fitness, acute exercise, and the ERN*

### Rutgers University Exercise Psychophysiology Laboratory Research Assistants (for credit)

Aman Dhruve (2022-present)

Expected graduation: December, 2024

Current status: Applying to Ph.D. programs

### Rutgers University Exercise Psychophysiology Laboratory Research Assistants (volunteer)

Jonathon Bourque (2022-present)

Expected graduation: May, 2023

Current status: Accepted into Ph.D. program

Priscilla Ampofo (2021-present)

Current status: Applying to P.A. programs

Benjamin Moses (2021-2022)

Current status: Applying to Ph.D. programs

## Activities and Service

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**Functional Human Anatomy Public Outreach Program** (Rutgers; Piscataway, NJ) (2023)

Human cadaver laboratory demonstrations to teach human anatomy to local high schools

**Healthy Habits** (Hardy Elementary School; Needham, MA) (2017-2018)

In-services presentations on healthy lifestyle behaviors for elementary school students

**No Pressure Blood Pressure** (Ithaca College; Ithaca, NY) (2014-2018)

In-services on hypertension risk factors and preventative lifestyle behaviors for Ithaca community

**Meals on Wheels** (Ithaca College; Triphammer, NY) (2014-2018)

Meal preparation and delivery for impoverished and older adults in Ithaca community

## Professional Organizations

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Society for Neuroscience	(2023-present)
Society for Psychophysiology Research	(2023-present)
International Neuropsychological Society	(2020-present)
Association for Psychological Science	(2019-present)
American College of Sports Medicine	(2018-present)

## Employment

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<b>Rutgers University</b> (Piscataway, NJ)	(2021-present)
Teaching Assistant for Functional Human Anatomy	
Graduate Research Assistant for Exercise Psychophysiology Laboratory	
<b>Department of Veterans Affairs</b> (Boston, MA)	(2020-2021)
Research Assistant	
<b>Tutoring</b> (Boston, MA)	(2019-2020)
Neurophysiology (self-employed)	
<b>Dedham Health &amp; Athletic Complex</b> (Dedham, MA)	
Physical Therapy Aide	(2018-2019)
Health Science Intern	(2018)
<b>Ithaca College Fitness Center</b> (Ithaca, NY)	
Building and Operations Manager	(2017-2018)
Senior Facility Monitor	(2016-2017)
Facility Monitor	(2015-2016)
<b>Robert R. Colbert Sr. Wellness Clinic</b> (Ithaca, NY)	(2017-2018)
Health and Wellness Specialist	
<b>Binghamton General Hospital</b> (Ithaca, NY)	(2017)
Cardiac Rehabilitation Intern	