

Kelsey E. Roberts
Kelsey.Roberts@uga.edu
(315)-534-9790

125 Baldwin St, Office 427
Athens, GA, 30606

Education

PhD Student **Behavioral and Brain Sciences**
Aug. 2022 - *present* University of Georgia, Athens, GA
Major advisor: Dr. Jennifer McDowell

B.A. Dec. 2021 **Psychology**
Summa cum laude Minor in Biology
State University of New York at Oswego, Oswego, NY
Honor's thesis: "Threat bias and resting state functional connectivity of the periaqueductal grey and lateral hypothalamus in anxiety disorders."
Cumulative GPA: 3.90

Fellowships and Grants

Jan.-Aug. 2021 Faculty-Student Challenge Grant, SUNY Oswego (\$4,500)
May-Jul. 2021 NSF REU-Trauma Research Fellowship, Syracuse University (\$3,370)

Awards

Mar. 2021 Outstanding Senior Award in Psychology, SUNY Oswego
Jan. 2021 Curtis M. Pearsall Award, SUNY Oswego
2018-2021 SUNY Oswego's President's List
Dec. 2020 Barry Goldwater Foundation Scholarship Nomination

Honors Organizations

2020-present Psi Chi, International Psychological Honor Society
2020-present Phi Kappa Phi National Honor Society
2020-2022 Psychology Honors Program, SUNY Oswego

Professional Organizations

2021-present Society for Neuroscience (SFN)
2020-2022 American Society for Cellular Biology (ASCB)

Publications

2022 **Roberts, K. E., Wilmoth, J., & Monet, S., (2022). Resilience is Low among Both Military and Non-Military Populations with Post-Traumatic Stress Disorder. *Lerner Center for Public Health Promotion: Population Health Research Brief Series*. 185. <https://surface.syr.edu/lerner/185>**

Presentations

2022

Roberts, K. E., Flores, T., & Artemenko, Y. (2022). Kinase Responsive to Stress B Negatively Regulates Rap1 in *Dictyostelium Discoideum*. Experimental Biology, Philadelphia, PA. [Poster]

Roberts, K. E. & Artemenko, Y. (2022). Investigation of The Role of KrsB in Rap1-Mediated Adhesion of *Dictyostelium discoideum*. QUEST, SUNY Oswego, Oswego, NY. [Oral]

Roberts, K. E., Monet, S., & Wilmoth, J. (2022). PTSD and Resilience: Comparisons between those with and without military service. Eastern Sociological Association, Boston, MA. [Oral]

2021

Roberts, K. E. & Artemenko, Y. (2021). Establishing Imaging Conditions for Evaluating the Role of KrsB in Rap1-Mediated Adhesion of *Dictyostelium discoideum*. Rochester Academy of Science, Rochester, NY [Poster]

Roberts, K. E., Li, C.-S. R., & Hu, S. (2021). Threat bias and resting state functional connectivity of the periaqueductal grey and lateral hypothalamus in anxiety disorders. Society for Neuroscience, Virtual Conference. [Poster]

Roberts, K. E., Flores, T., & Artemenko, Y. (2021). KrsB and Rap1-Mediated Adhesion of *Dictyostelium discoideum*. Molecular Biology Group, SUNY Oswego, Oswego, NY. [Oral]

Roberts, K. E., & Artemenko, Y. (2021). Molecular Cloning of Red Fluorescent Protein Tagged RalGDS. RISE Symposium, SUNY Oswego, Oswego, NY. [Poster]

Roberts, K. E., & Artemenko, Y. (2021). Investigation of The Role of KrsB in Rap1-Mediated Adhesion of *Dictyostelium discoideum*. QUEST, SUNY Oswego, Oswego, NY. [Poster]

Roberts, K. E., & Hu, S. (2021). Resting state functional connectivity of the periaqueductal gray area and lateral hypothalamus in association to threat biases anxiety disorders. QUEST, SUNY Oswego, Oswego, NY. [Oral]

2020

Roberts, K. E., & Hu, S. (2020). Resting state functional connectivity of the periaqueductal gray area (PAG) in association to threat biases anxiety disorders. New England Psychological Association, Virtual Conference. [Poster]

Roberts, K. E., & Hu, S. (2020). Resting state functional connectivity of the periaqueductal gray area (PAG) in association to threat biases anxiety disorders. RISE Symposium, SUNY Oswego, Oswego, NY.[Poster]

Roberts, K. E., & Artemenko, Y. (2020). Investigation of the role of KrsB in Rap1-mediated adhesion of *Dictyostelium discoideum*. RISE Symposium, SUNY Oswego, Oswego, NY. [Poster]

Roberts, K. E., Niu, G., Fingar, E., Fernandez, B., & Artemenko, Y. (2020). A Feedback Loop between Adhesion Regulators Rap1 and Kinase Responsive to Stress B in *Dictyostelium discoideum*. American Association of Cellular Biology, Virtual Conference. [Poster]

Roberts, K. E., Hunt, J., Stonjy, G., & Moore, A. (2020). The relationship between model size, positive body image education, and body self-esteem. QUEST, SUNY Oswego, Oswego, NY. [Poster]

Graduate Assistantship

Aug. 2022-present 7 Tesla MRI Co-Operator, Bio-Imaging Research Center, Athens, GA
Supervisor: Dr. Brett Clementz
Assist with 7T MRI operation and the imaging of rats and mice.

Additional Research Experience

Jun. 2020-May 2022 Investigation of The Role of KrsB in Rap1-Mediated Adhesion of *Dictyostelium discoideum*
Advisor: Dr. Yulia Artemenko, SUNY Oswego, Oswego, NY
Conducted experiments on molecular mechanisms of adhesion using the model organism *Dictyostelium discoideum*.

May 2021-June 2022 Military service, PTSD, and Stress: The Mediating Effect of Physical Activity and Fast-Food Consumption
Advisor: Dr. Janet Wilmoth, Syracuse University (SU), Syracuse, NY
Applied training in trauma research to analyze data provided by the SU Lerner Center.

Nov. 2020-Dec. 2022 Cortical Activations in Aphantasia
Advisor: Dr. Sien Hu, SUNY Oswego, Oswego, NY & University of Rochester, Rochester, NY
Conducted fMRI experiments at the University of Rochester Center for Advanced Brain Imaging.

Teaching Assistantships

Aug. 2021-Dec.2022 Molecular and Cellular Foundations Lab, SUNY Oswego, Oswego, NY
Professor: Dr. Yulia Artemenko
Prepared lab materials, help students hypotheses development, and lab reports.

Aug.- Dec. 2020 Research Methods in Psychology, SUNY Oswego, Oswego, NY
 Professor: Dr. Ashlee Moore
 Helped students design and conduct experiments, graded assignments, held office hours, and review sessions.

Aug.- Dec. 2021 Analysis of Psychological Data, SUNY Oswego, Oswego, NY
 Professor: Dr. Samara Rice
 Helped students with concepts and applications, graded assignments, held office hours, and review sessions.

Tutoring

Aug. 2019-Dec. 2022 SUNY Oswego Office of Learning Services
 Tutor classes in Introductory Psychology, Psychological statistics, Mathematical statistics, and Biopsychology.

Leadership

Aug. 2019-Dec.2022 Focus Forward Mentor
 Mentored junior high students at risk of not graduating.

May 2019-Dec.2022 Psychology Club President
 Communicated with, and recruited members, organize meetings and career-building events.

Feb.2020-Aug.2021 Oswego Admissions Representative
 Assisted campus tours, open houses, informational sessions, and related programs.

Aug. 2020 Red Carpet Crew
 Helped first-year students move into the dorms and adjust to campus life.

Volunteering

Sept. 2019 SAVE Walk for suicide awareness
 2017-2019 Walk for autism

Professional Training

Aug. 2022 Human Research- Biomedical Research Training- Basic
 Jul. 2022 MRI Safety Training- University of Georgia, Athens, GA
 Dec. 2020 MRI Basic Safety Training- University of Rochester, NY
 Jun. 2020 CITI Responsible Conduct for Research-Undergrad
 Sept. 2019 CITI Social and Behavioral Research Certification- Basic

Software Experience

IMB SPSS Statistics, MATLAB, Minitab and Minitab Express, Qualtrics, R, Microsoft Excel, Word, and PowerPoint
