

Gregory L. Pearson, M.S.

Education:

M.S.	Biology	Shippensburg University of Pennsylvania	2017
B.A.	Exercise Science	Shippensburg University of Pennsylvania	2015

Professional Memberships:

- Society for Research on Biological Rhythms
- Society for Neuroscience

Education and Training Awards:

Fellowships and Training Awards

- Academic Rewards for College Scientists (2017-2019)
- NIH Biotechnology Training Grant (2017-2018)

Trainee/Travel Awards

- Psychoneuroimmunology Research Society, Merit Based Travel Award (2019)

Academic/Research Positions:

- Graduate Research Assistant, Program of Neuroscience & Behavior, University of Massachusetts Amherst, Amherst, MA, January 2020-Present
- Graduate Teaching Assistant, Department of Integrative Physiology & Neuroscience, Washington State University, Pullman, WA, August 2019-December 2019, August 2018-May 2019
- Graduate Research Assistant, Department of Integrative Physiology & Neuroscience, Washington State University, Pullman, WA, May 2019-August 2019
- Graduate Research Assistant, Department of Veterinary Microbiology & Pathology, Washington State University, Pullman, WA, August 2017-August 2018
- Intern, Naval Research Enterprise Internship Program, Silver Spring, MD, May-July 2017
- Graduate Assistant, Department of Biology, Shippensburg University of Pennsylvania, Shippensburg, PA, January-May 2017
- Research Assistant, Henry M. Jackson Foundation for the Advancement of Military Medicine, Bethesda, MD, September 2016-July 2017
- Graduate Assistant, Testing Center & Department of Academic Programs and Services, Shippensburg University of Pennsylvania, August 2015-December 2016
- Intern, Naval Research Enterprise Internship Program, Silver Spring, MD, May-August 2016

Teaching Experience:

- Foundations of Medical Physiology (Neurosci 425/426, 4 credits), Graduate Teaching Assistant, Fall 2019, Fall 2018
- Cellular Neurobiology (Neurosci 403, 3 credits), Graduate Teaching Assistant, Spring 2019

Laboratory/Professional Mentorship:

Current and Previous High School Mentees

- John Barnwell (Undergraduate Research Assistant), Aug 2019-Dec 2019
- Andy He (High School Research Assistant), Feb 2019-June 2019

Publications

1. **Pearson, G.L.**, Savenkova, M., Barnwell, J.J., Karatsoreos, I.N. "Circadian desynchronization alters metabolic and immune responses following lipopolysaccharide inoculation in male mice." *Brain, Behavior, and Immunity*. DOI: [10.1016/j.bbi.2020.05.033](https://doi.org/10.1016/j.bbi.2020.05.033).

Conference Presentations:

1. **Pearson, G.L.**, Savenkova, M., Barnwell, J.J., Karatsoreos, I.N. "Circadian desynchronization alters metabolic and immune responses following lipopolysaccharide inoculation in male mice." Federation of European Neuroscience Societies. July 2020.
***Poster
2. **Pearson, G.L.**, Savenkova, M., Barnwell, J.J., Karatsoreos, I.N. "Circadian desynchronization slows recovery and alters metabolic and immune responses following immune challenge in male mice." Society for Research on Biological Rhythms. June 2020.
***Poster
3. **Pearson, G.L.**, Savenkova, M.S., Karatsoreos I.N. "Environmental circadian desynchronization prolongs sickness behavior and alters immune responses in mice." Psychoneuroimmunology Research Society, Berlin, Germany. June 2019.
***Poster and Data Blitz, Received Merit Based Travel Award
4. St. John, H.K., Masuoka, P.M., **Pearson, G.L.**, Luce-Fedrow, A., Pecor, D., Lehman, M., Stewart, R., Richards, A.L. "Filling in the tick distribution holes: How contributions of tick and infected tick data to VectorMap can improve the knowledge of species' ranges in the eastern United States." Tick Summit, Baltimore, MD. 2018.
***Poster
5. Fedrow A.L., Chattopadhyay S., **Pearson G.L.**, Patton J.B., Richards A.L. "Comparison of lethal and non-lethal mouse models of *Orientia tsutsugamushi* reveals T-cell population-associated cytokine signatures correlated with disease or protection." 28th Meeting of the American Society for Rickettsiology, Big Sky, MT. 2016.
***Poster

Department Presentations:

1. **Pearson, G.L.** "Interactions between the circadian clock and immunity." Program of Neuroscience and Behavior. University of Massachusetts Amherst, Amherst, MA. 2020.
***Seminar
2. **Pearson, G.L.** "Circadian regulation of virus-induced encephalitis: Using the clock as a tool to understand the brain's antiviral defenses." Department of Integrative Physiology and Neuroscience, Washington State University, Pullman, WA. 2018.
***Seminar
3. **Pearson, G.L.** "A surveillance of ticks and tickborne pathogens in southwestern Pennsylvania." Department of Biology, Shippensburg University, Shippensburg, PA. 2017.
***M.S. Thesis Defense

4. **Pearson, G.L.** “My experience with the Naval Research Enterprise Internship Program.” Department of Biology, Shippensburg University, Shippensburg, PA. 2017.
***Seminar

Internship Presentations:

1. **Pearson G.L.**, Fedrow A.L., Maina A.N., Richards A.L. “Characterization of Rickettsia species detected in ticks collected from southcentral Pennsylvania.” GEMS, SEAP, CQL & NREIP Poster Session, Silver Spring, PA. 2017.
***Poster
2. **Pearson G.L.**, Fedrow A.L., Richards A.L. “Significant correlations associated with bacterial loads and CD4 or CD8 T-cell cytokine populations in lethal and non-lethal murine models of Orientia tsutsugamushi infection.” GEMS, SEAP, CQL & NREIP Poster Session, Silver Spring, PA. 2016.
***Poster

Academic Awards:

- Cum Laude, Undergraduate GPA: 3.438 2015
- Dean’s List Fall 2014, Spring 2012, Spring 2011, Fall 2010
- Scholar-Athlete Award 2010-2011, 2011-2012

Service and Activities:

- Neuroscience and Behavior Anti-Racism Action Group 2020-Current
- Founding President of the College of Veterinary Medicine Graduate Student Association 2018-2019
- Judge, Franklin County Science and Technology Fair 2016, 2017
- Coach, Shippensburg University Track & Field Team 2013-2015
- Medical Shadow, MultiCare Plus, Bangor, Pennsylvania 2014
- Member, Shippensburg University Men’s Track & Field Team 2010-2013