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
- Psychoneuroimmunology Research Society
- 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*. In Press.

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:

- 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