

Kathleen V. Casto

Assistant Professor
Department of Psychological Sciences
Kent State University
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Professional Positions

- 2023 – Present **Assistant Professor**
Department of Psychological Sciences
Kent State University
- 2018 – 2023 **Assistant Professor**
Psychology, Biopsychology, and Neuroscience
New College of Florida
- 2017 – 2018 **Postdoctoral Research Fellow**
National Research Council, National Academy of Science, Engineering, and Math
US Army Natick Research, Development and Engineering Center
Social Psychoneuroendocrinology Lab
University of Oregon
- 2017-2018 **Adjunct Professor**
University of Oregon
- 2014-2015 **Adjunct Professor**
Agnes Scott College

Education

- 2012 – 2016 **PhD in Psychology**
Emory University, Neuroscience & Animal Behavior Area
- 2010 – 2012 **MA in Psychological Science**
James Madison University
- 2005 – 2010 **BA in Psychology and Chemistry**
University of North Carolina Wilmington
University Honors and summa cum laude

Editorial Board Member

- 2022 – Present **Hormones and Behavior**
- 2019 – Present **Adaptive Human Behavior and Physiology**

Funding & Awards

- 2022 Research-Industry Collaboration Grant from Salimetrics, LLC (Carlsbad, CA) with collaborator and Chief Scientific Officer, Steve Granger, PhD
\$50,000 (estimated cost of project to be funded)
Role: PI

- 2020 Internal College Seed Grant to build a Human Neuroimaging Teaching Lab
\$80,000 (plus guaranteed funds for upkeep)
Role: PI
- 2018 National Science Foundation Grant #1451848 (PI: Pranjal Mehta)
\$5,000
Role: Research Scientist
- 2018 Columbia University Provost Grant for Mid-Career Faculty Who Contribute to the Diversity Goals of the University Awarded to PI Modupe Akinola
\$37,500 (funded post-doctoral research salivary assays)
Role: Co-PI/ Research Collaborator
- 2017 National Academy of Science, Engineering, and Math
National Research Council Research Associateship Award
\$56,000 (plus benefits)
Role: PI
- 2016 Dean's Teaching Fellowship, Emory University
\$20,000
- 2012 Travel Award, Society for Behavioral Neuroendocrinology
\$1,000
- 2010 Graduate Research Assistantship, National Science Foundation Grant# 0824337 (PI: Olga Pierrakos)
\$26,000, 2-years of fellowship funding
Role: Assessment and Statistical Consultant

Peer-Reviewed Publications

Link to: [Google Scholar Page](#)

1. **Casto K.V.** & Carré, J.M. (2023) Testosterone, Sex, and Sport. *Policy Insights from the Behavioral and Brain Sciences*, 10(2). <https://doi.org/10.1177/23727322231197583>
2. **Casto, K. V.**, Arthur, L., Lynch-Wells, S., & Blake, K. (2023). Women in their mid-follicular phase outcompete hormonal contraceptive users, an effect partially explained by relatively greater progesterone and cortisol reactivity to competition. *Psychoneuroendocrinology*, 157, 106367. <https://doi.org/10.1016/j.psyneuen.2023.106367>
3. Petersen, N., Beltz, A.M., **Casto, K.V.**, Taylor, C.M., Jacobs, E.G., Sundström-Poromaa, I., & Pletzer, B. (2023). Towards a more comprehensive neuroscience of hormonal contraceptives. *Nature Neuroscience*, 26, 529–531. <https://doi.org/10.1038/s41593-023-01273-z>
4. **Casto, K.V.**, Prasad, S., Josephs, R.A., Zilioli, S., Welker, K., Maslov, A., ... & Mehta, P. H. (2023). No Compelling Evidence that Self-Reported Personality Traits Explain Basal Testosterone and Cortisol's Associations with Status-Relevant Behavior. *Adaptive Human Behavior and Physiology*, 1-35. <https://doi.org/10.1007/s40750-023-00210-5>

5. Stern, J., Hildebrand, T., & **Casto, K.V.** (2023). Women's intrasexual competitiveness and jealousy across the ovulatory cycle – A hormone-based study. *Social Psychological and Personality Science*, 14(5), 647–661. <https://doi.org/10.1177/19485506221117712>
6. **Casto, K.V.**, Jordan, T., & Petersen, N. (2022) Hormone-based models for comparing menstrual cycle and hormonal contraceptive effects on human resting-state functional connectivity. *Frontiers in Neuroendocrinology* Special Issue on *Hormonal contraceptives and the brain: A call for translational research*, 67, 101036. <https://doi.org/10.1016/j.yfrne.2022.101036>
7. Arthur, L.C., **Casto, K.V.**, & Blake, K.R. (2022) Hormonal contraceptives as disruptors of competitive behavior: Theoretical framing and review. *Frontiers in Neuroendocrinology*, 66, 101015. <https://doi.org/10.1016/j.yfrne.2022.101015>
8. **Casto, K.V.** (2022). Tracking women's reproductive data in sport: Practical limitations, perils and pitfalls. *Sports Medicine*, 52, 1723–1727. <https://doi.org/10.1007/s40279-022-01671-6>
9. Murphy, B.A., **Casto, K.V.**, Watts, A.L., Costello, T.H., Jolink, T.A., Verona, E., & Algoe, S. (2022) “Feeling Powerful” versus “Desiring Power”: A pervasive and problematic conflation in personality assessment? *Journal of Research in Personality*, 101, 104305. <https://doi.org/10.1016/j.jrp.2022.104305>
10. **Casto, K.V.**, Leininger, E.C., & Tan, T. (2022). Teaching about sex and gender in Neuroscience: More than meets the “XY”. *Journal of Undergraduate Neuroscience Education*. <https://www.funjournal.org/wp-content/uploads/2022/03/june-20-190.pdf?x36670>
11. **Casto, K.V.**, Arthur, L.C., Hamilton, D., & Edwards, D.A. (2022) Testosterone, athletic context, oral contraceptive use, and competitive performance in women. In *Adaptive Human Behavior and Physiology*, 8, 52–78. <https://doi.org/10.1007/s40750-021-00180-6>
12. **Casto, K.V.**, Root, Z. L., Carré, J.M., Geniole, S., & Bruner, M.W. (2021). Exploratory analysis of the relationship between social identification and testosterone reactivity to vicarious combat. *Human Nature*, 32, 509-527. <https://doi.org/10.1007/s12110-021-09407-7>
13. **Casto, K. V.**, & Edwards, D. A. (2021). Individual differences in hormonal responsiveness to social encounters: Commentary on Félix et al., 2020 and review of pertinent issues. *Hormones and Behavior*, 129, 104921 <https://doi.org/10.1016/j.yhbeh.2020.104921>
14. **Casto, K.V.**, Edwards, D.A., Akinola, M., Davis, C., & Mehta, P.H. (2020). Testosterone reactivity to competition and competitive endurance in men and women. In the Special Issue celebrating the 30th Anniversary of the Challenge Hypothesis. *Hormones and Behavior*, 123, 104665. <https://doi.org/10.1016/j.yhbeh.2019.104665>
15. **Casto, K.V.**, & Edwards, D.A. (2019). Testosterone and cortisol interact to predict within-team social status hierarchy among Olympic-level women athletes. *Adaptive Human Behavior and Physiology*, 5 (3), 237-250. <https://doi.org/10.1007/s40750-019-00115-2>
16. **Casto, K.V.**, & Mehta, P.H. (2019). Competition, dominance, and social hierarchy. In L. Welling and T. Schackelford (Eds.), *The Oxford Handbook on Evolutionary Psychology and Behavioral Endocrinology*. Oxford University Press.

17. Edwards, D.A., & **Casto, K.V.** (2019). The social neuroendocrinology of athletic competition. In P. Mehta and O. Schultheiss (Eds.), *The International Handbook of Social Neuroendocrinology*. Routledge/Psychology Press.
18. **Casto, K.V.**, & Prasad, S. (2017). Recommendations for the study of women in hormones and competition research. *Hormones and Behavior*, 92, <https://doi.org/10.1016/j.yhbeh.2017.05.009>
19. **Casto, K.V.**, Rivell, A., & Edwards, D.A. (2017). Testosterone and cortisol response to recreational sport competition in women and perceived personal success. *Hormones and Behavior*, 92, 29-36. <https://doi.org/10.1016/j.yhbeh.2017.05.006>
20. **Casto, K.V.**, & Edwards, D.A. (2016). Testosterone and reconciliation among women: After-competition testosterone predicts prosocial attitudes towards opponents. *Adaptive Human Behavior and Physiology*, 2, 220-233. <https://doi.org/10.1007/s40750-015-0037-1>
21. **Casto, K.V.**, & Edwards, D.A. (2016). Testosterone, cortisol, and human competition. *Hormones and Behavior*, 82, 21-37. <https://doi.org/10.1016/j.yhbeh.2016.04.004>
22. **Casto, K.V.**, & Edwards, D.A. (2016). Before, during, and after: How phases of competition differentially affect testosterone, cortisol, and estradiol levels in women athletes. *Adaptive Human Behavior and Physiology*, 2, 11-25. <https://doi.org/10.1007/s40750-015-0028-2>
23. Crewther, B.T., Hamilton, D., **Casto, K.V.**, Kilduff, L.P., & Cook, C.J. (2015). Effects of oral contraceptive use on the salivary testosterone and cortisol responses to training sessions and competition in elite women athletes. *Physiology & Behavior*, 147, 84-90. <https://doi.org/10.1016/j.physbeh.2015.04.017>
24. Edwards, D.A., & **Casto, K.V.** (2015). Baseline cortisol moderates testosterone reactivity to women's intercollegiate athletic competition. *Physiology & Behavior*, 142, 48-51. <https://doi.org/10.1016/j.physbeh.2015.01.037>
25. **Casto, K.V.**, Elliot, C. M., & Edwards, D.A. (2014). Intercollegiate cross-country competition: Effects of warm-up and racing on salivary levels of cortisol and testosterone. *International Journal of Exercise Science*, 7, 318-328. <https://digitalcommons.wku.edu/ijes/vol7/iss4/8>
26. Edwards, D. A., & **Casto, K. V.** (2013). Women's intercollegiate athletic competition: Cortisol, testosterone, and the dual hormone hypothesis as it relates to status among teammates. *Hormones and Behavior*, 64, 153-160. <https://doi.org/10.1016/j.yhbeh.2013.03.003>
27. Harmison, R. & **Casto, K.** (2012). *Optimal Performance: Elite Level Performance in "The Zone."* In S. Murphy (Ed.), *The handbook on sport and performance psychology*. New York: Oxford University Press.
28. **Casto, K.** & Lecci, L. (2012). Experimentally manipulated somatic information and somatization tendencies and their impact on physical symptom reporting and performance in a physically strenuous task. *International Journal of Exercise Science*, 5, 60-71. <https://pubmed.ncbi.nlm.nih.gov/27182375/>
29. Martin, A., **Casto, K.**, Morris, W., & Morgan, J. B. (2011). Phosphine-catalyzed heine reaction. *Organic Letters*, 13, 5444-5447. <https://doi.org/10.1021/ol202410v>

Open Science Practices

Open Science Framework Profile: <https://osf.io/46mkx/>

Original and Open-Access Datasets

- Hormonal Contraceptive Use and Cycle Phase Effects on Competitive Persistence: Role of Progesterone and Cortisol Reactivity <https://osf.io/a26sv/>
- Testosterone, Cortisol, and Status-relevant Behavior and Personality <https://osf.io/phgky/>
- Social Identity and Testosterone Reactivity to Vicarious Combat: <https://osf.io/tu6ns/>
- Testosterone Reactivity and Competitive Will: <https://osf.io/6r7da/>
- Hormones and Social Status Rank Among Olympic Athletes: <https://osf.io/5zyxi/>

Preregistrations

- Hormonal Contraceptive Use and Cycle Phase Effects on Competitive Persistence: Progesterone as a Mediating Mechanism: <https://osf.io/sn9up>
- A test of the hypothesis that sex differences in neuroticism and mental health outcomes are explained by physical strength using a large national database: <https://osf.io/dg4wb>

Presentations and Lectures

Invited Talks

- Brain Health Research Institute at Kent State University Research Exchange “Hormone-Brain Synchrony for Social Motivation” (September 2023, Kent, OH)
- University of Melbourne Psychology Department Colloquium Speaker “*Hormonal Contraceptive Use and Cycle Phase Effects on Competitive Persistence: Progesterone as a Mediating Mechanism*” (May 2022, Melbourne, Australia)
- University of Melbourne Ethics and Wellbeing Hub Invited lecture “*Tracking women’s reproductive data for research and applications: Practical limitations, perils and pitfalls*” (May 2022, Melbourne, Australia)
- University of Bremen, Psychology Department Personality Research Brown-bag Speaker “*Testosterone and cortisol jointly predict dominant leadership behavior independent of self-reported personality traits: Implications for the dual-hormone hypothesis*” (April 2022, Bremen, Germany)
- University of North Carolina Wilmington Department DEI Colloquium Speaker “*Sex, Gender and the Brain: Moving Beyond Dichotomy and Discrimination*” (February 2022, Wilmington, NC)
- Stand Up Science (Community Speaking Engagement), “*Testosterone Reactivity to Competition Predicts Competitive Effort*” (Jan. 2020 in Sarasota, FL)
- Nipissing University Department of Psychology Speaker Series, “*In Pursuit of Social Status: Testosterone Reactivity to Competitive and Cooperative Behavior*” (Nov. 2019 in Ontario, CN)
- Emory University, Neuroscience and Animal Behavior Graduate Seminar, (as invited alumni speaker) “*The Social Neuroendocrinology of Competitive and Cooperative Behavior in Groups*” (Jan. 2019 in Atlanta, GA)

Symposium Organization

- **Co-Chair:** Symposium on “New Frontiers in Biosocial Psychology of Status and Intergroup Dynamics” at the Society for Personality and Social Psychology Annual Meeting Annual Meeting (Feb 2023)
- **Organizer, Chair, and Panel Moderator:** Society of Behavioral Neuroendocrinology Webinar “Hormonal Contraceptives and the Brain” (May 2022), <https://osf.io/u7kcb/>
- **Co-Chair and Moderator:** Symposium on “Testosterone as a Single-dose Pharmacological Challenge for Altering Human Social Behavior” at the Annual Meeting for the International Society of Psychoneuroendocrinology (ISPNE) 2020 Annual Conference (September 2020)
- **Organizer:** Social Neuroendocrinology Preconference, *Society for Personality and Social Psychology Annual Conference* (February 2018)

Symposium Presentations

- “Lower Competitive Persistence Among Hormonal Contraceptive Users Compared to Non-users: A Preregistered Replication” Society for Personality and Social Psychology Annual Conference (Atlanta, GA), February, 2023
- “Testosterone and Behavior in Males and Females: Myths and Misconceptions” Human Behavior and Evolution Society Annual Conference, June 2022. Recording: <https://osf.io/8bf9q/>
- “Testosterone and Competitive Will Among Men and Women.” Presented at the Social Neuroendocrinology Pre-Conference at the Human Behavior and Evolution Society Annual Meeting (Boston, MA), May, 2019.
- “The Social Neuroendocrinology of Competition and Cooperation in Groups.” Presented at the Social Neuroendocrinology Pre-Conference DataBlitz at the Society for Personality and Social Psychology Annual Conference (Atlanta, GA), February, 2018.
- “Competitive Will, Testosterone, and Motivation for Social Status.” Presented at the OU/OSU Postdoctoral Research Symposium (Eugene, OR), November 2017.
- “Testosterone, Cortisol, and Social Status Among Elite Women Athletes.” Invited Speaker for the Emory University Psychology Department Annual Research Festival (Atlanta, GA), August, 2016
- “Testosterone and Cortisol Response to Recreational Athletic Competition in Women.” Presented at the Social Neuroendocrinology Pre-Conference DataBlitz at the Society for Personality and Social Psychology Annual Conference (San Diego, CA), January 2016.
- “After-Competition Change in Testosterone Predicts Prosocial Attitudes Towards Opponents in Women’s Soccer Players.” Presented at the Social Neuroendocrinology Pre-Conference DataBlitz at the Society for Personality and Social Psychology Annual Conference (Long Beach, CA), February 2015.

Conference Presentations with Papers

- Casto, K., Pierrakos, O., Anderson, R., & Watson, H. (2012). An investigation of engineering students’ achievement goal orientations in relation to gender, class, grades, self-efficacy, and desire to pursue a career in engineering. Paper presented at the 2012 WEPAN National Conference, Columbus, OH.

- Casto, K., Anderson, R., & Pierrakos, O. (2011). The use of generalizability theory in an investigation of engineering student's identification with their major. Paper presented at the 2011 Northeastern Educational Research Association, Rocky Hill, CT.
- Casto, K., Chase, B., Pierrakos, O., Anderson, R. (2011). Female and male engineering students' personality characterization of successful engineering students, engineering professionals, and themselves. Paper presented at the 2011 WEPAN National Conference, Seattle, WA.

Conference Poster Presentations

- Casto, K., & Edwards, D. A. (2013). Women's intercollegiate athletic competition: Cortisol, testosterone, and the dual hormone hypothesis as it relates to status among teammates. Presented at the Society for Behavioral Neuroendocrinology in Atlanta, GA.
- Casto, K., & Edwards, D. A. (2012). Intercollegiate cross-country competition: Racing is associated with a substantial increase in salivary levels of cortisol and testosterone in men and women. Presented at the Society for Behavioral Neuroendocrinology in Madison, WI.
- Pierrakos, O., Casto, K., & Anderson, R.D. (2012). Understanding the development of the engineering identity: From identifying with engineering to becoming an engineer. Poster session for the National Science Foundation Engineering Education Awardees Conference. Arlington, VA.
- Casto, K., Zilberberg, A., Harmison, R. J., & Llobet, J. (2011). Psychological portrait of a champion: Dimensionality of The Winning Profile Athlete Inventory (WPAI). Poster presented at the 23rd annual convention of the American Psychological Society, Washington, D.C.
- Pierrakos, O., Casto, K., Chase, B., Nagel, J., Watson, H., & Anderson, R.D. (2011, March). Understanding the development of the engineering identity: From identifying with engineering to becoming an engineer. Poster session for the National Science Foundation Engineering Education Awardees Conference. Reston, VA.
- Casto, K., & Lecci, L. (2009). Mind over matter: An analysis of the effect of outcome expectancy and somatization tendencies on symptom endorsement, physiological change, and physical performance. Poster presented at the 22nd annual convention of the American Psychological Society, Boston, MA. and at the North Carolina Undergraduate Research & Creativity Symposium, Wilmington, NC.
- Casto, K., Sale, R., Healy, S., McGuire, C., Page, S., Samonte, K., Welch, E., & Lecci, L. (2009). Testing order effects among juror bias measures commonly employed to predict verdicts. Poster presented at the 21st annual convention of the American Psychological Society, San Francisco, CA.

Service/Professional Development – Broader Academia

Professional Development Committee, *Society for Behavioral Neuroendocrinology* (starting February 2022)

Annual Meeting Program Committee, *Society for Behavioral Neuroendocrinology* (starting Fall 2022) (requested/invited by society President)

Special Issue Co-Editor (other Co-Editor: Donna Maney), Special Issue of *Hormones and Behavior*, “Sex/gender diversity and behavioral neuroendocrinology in the 21st century” (In planning phase; requests for submissions to go out Fall 2022)

Special Issue Co-Editor (other Co-Editors: David Edwards & Pranjal Mehta), Special Issue of *Hormones and Behavior*, [“Hormones and Human Competition”](#), 2016-2017

Ad Hoc Reviewer for the following Journals: *Hormones and Behavior*; *Psychoneuroendocrinology*, *Adaptive Human Behavior and Physiology*; *Biological Psychology*; *Brain and Behavior*; *Personality and Individual Differences*; *Journal of Personality and Social Psychology*; *Evolution and Human Behavior*; *Journal of Neuroscience, Psychology, and Economics*; *Physiology and Behavior*; *Sports Medicine*; *Psychology of Sport and Exercise*; *Scandinavian Journal of Medicine and Science in Sports*; *Research Quarterly for Exercise and Sport*

Ad Hoc Society Leadership

- Organizer and host of four professional development events at the Society for Behavioral Neuroendocrinology Annual Conference (2022)
- *Panelist*, Career Panel at the Professional Development Workshop, Society for Behavioral Neuroendocrinology Annual Conference (2022)
- *Panelist*, Career Panel at Human Behavior and Evolution Society Annual Conference (2021)

Service/Professional Development – Institutional Level (New College of Florida)

Committee Service

- *Presidential Committee on Campus Policing*, 2021
- *Provost Summer Committee for Academic Continuity and Planning* (COVID academic building/restructuring team), Summer 2020
- *Hiring Search Committee for the position of Director for the Office of Research & Sponsored Programs*, Summer 2019

Technical Consulting Service to the College

- Faculty Meeting *Technical Expert* and Voting Moderator, April 2020 – Present
- *Survey and Data Analysis Consultant* for the Provost Office and the Office of Diversity and Inclusion (Spring 2020-2021; ~5hrs of work/week)
- *Survey Technician and Moderator* at the 2021 Faculty Retreat
- *Data Science Consultant* to the *Educational Planning Committee*, Spring 2020

Other Service

- *Panelist*, Social-Health Area PhD Student Training Session on Job Market Interviewing; September 2023
- *Summer Lab Research Internship Director* for 3-5 New College students, Summer 2019; 2020; 2021; 2022
- *Organized* the Menstrual Health and Information Night, Advocacy Event for Students, Spring 2021
- *Session Facilitator and Presenter*, “Embodied Wellness: Promoting Wellbeing and Reducing Stress through Physical Activity and other Healthy Behaviors”, *Summer Workshop on First Year Seminar Program* for Fall 2020
- University of Oregon’s Committee for an Inclusive Community (2017-2018)
- *Invited Speaker* for the Teaching Assistant Training and Teaching Opportunity program (TATTO), 2016
- Emory Center for Digital Scholarship program in Teaching, Pedagogy, Curriculum, and Research, 2016
- *Invited workshop organizer/speaker*, Jones Program in Ethics, Emory University, 2015

- Teaching Assistant Training and Teaching Opportunity program (TATTO), Emory University, 2012
- Jones Program in Ethics training workshop, 2015
- Neuroscience and Animal Behavior Program Recruitment Coordinator, January 2015
- Graduate Student Representative for Emory Psychology at the Emory STEM Conference, Spring 2014
- Graduate student judge for thesis project awards, Emory University Undergraduate Research Symposium, Fall 2012-2013
- Graduate student judge for honors thesis project awards, JMU Undergraduate Research Symposium, Spring 2011 and 2012.

Teaching

Kent State University

- *The Psychobiology of Love and War (Undergraduate, Special Topics)*

New College of Florida

- *Behavioral Endocrinology*
- *Biopsychology of Sport and Exercise*
- *Biopsychology of Sex/Gender*
- *fNIRS Neuroimaging Lab*
- *Introduction to Psychology*
- *The Art of Presenting Psychological Science*
- *First Year Seminar: Thinking Neuro-Scientifically*

Sponsored Tutorial Credits in: *Social Endocrinology Lab, Advanced fNIRS Neuroimaging, Experimental Design, Thesis Research*. These students receive hands-on training and mentorship in technical aspects of research, running human subjects, data collection/management/analysis, manuscript preparation, and conference presentation.

Undergraduate honors thesis mentorship/projects sponsored

Mickey M. (2022-2023) “The connection between creativity and implicit racial bias”

Tatiana P. (2022-2023) “The neural underpinnings of interpersonal coordination.”

Irene H. (2022-2023) “Diurnal cortisol, mood, and hormonal contraceptives”

Payton S. (2022-2023) “Growing Pains: Animating the intersection of early menarche and the model minority stereotype on adolescent development”

Alyssa K. (2022-2023) “Social factors that influence the stress response”

Anna F. (2021-2022) “Physiological indicators of menstrual cycle phase: A two-part study on developing a method of menstrual cycle phase determination and assessment of menstrual cycle impacts on brain activation”

Maya W. (2021-2022) “Adverse childhood experiences and the neuroimaging correlates of executive functioning: An fNIRS study.

Phoenix K. (2021-2022) “Movement, menstrual cycle and motivation: Understanding the influence of ovarian hormones and motivation on physical activity throughout the menstrual cycle”

Sophia L. (2021-2022) “Examining the roles of emotion regulation, interoceptive awareness, and social competition in premenstrual symptoms and disorders”

- Hannah H. (2020-2021) “Holding one’s own: The neural correlates of embodiment integrity in the face of multimodal mismatch”
- Emily S. (2020-2021) “Prefrontal and Auditory Cortex Activity During Music Listening in Musicians Compared to Non-Musicians”
- Alia Q. (2020-2021) “Addiction: Critique of the BDMA and development of a transdisciplinary, Biopsychosocial-Ecological Model”
- Jon-Douglas, W. (2020-2021) “Emotional regulation and gender: Physiological and psychological responses to emotionally power music.”
- Lilian F. (2019-2020) “The drug-centered model of treatment: Expanding patient treatment options and understanding”
- Briana B. (2019-2020) “How does supported employment affect wellbeing of people with mental illness”
- Baily B. (2019-2020) “There’s no “right” way to write: An exploration of the relationship between metacognitive awareness and academic burnout”

Previous Courses taught during graduate and postdoctoral training

Research Methods, University of Oregon, Winter & Spring Term, 2018
Social Aspects of Behavior, University of Oregon, Spring Term, 2018
Biopsychology of Sport and Exercise, Emory University, Fall 2015 & Fall 2016
Psychobiology and Cognition, Emory University, Summer 2016
Research Design and Methods in Psychology, Agnes Scott College, Fall 2014
Lab in Experimental Methods in Psychology, Emory University, Fall 2013

Undergraduate Curriculum Development

- Founding Member of the “Neuroscience” joint area of concentration, New College of Florida
- Founder and Principal Investigator, Teaching lab for fNIRS neuroimaging, New College of Florida

Applied Work

Performance Science Consulting

2016-2018 US Army Military Academy, West Point Rifle Team
 2015-2016 USA Women’s Field Hockey National Team

Research and sport psychology consultant on projects involving hormone-competitive behavior relationships. Work involves travel to the training and competition facilities, experimental design, data collection and analysis, and dissemination of research findings to coaching and sport psychology staff.

Statistical and Psychometric Consulting

2010-2012 Center for Assessment and Research Studies, James Madison University

Served as a statistical and psychological consultant for researchers in the area of engineering education with a particular focus on the recruitment and retention of women in STEM majors. This involved assisting and leading projects with instrument development, research design, statistical analyses, interpretation of statistical results, publishing research findings, and presenting at conferences using both qualitative and quantitative data sources.