

Emily Scott

University of Utah Department of Psychology
380 S. 1530 E.
Salt Lake City, UT 84102
emily.scott@psych.utah.edu

EDUCATION

- 2018 – Present **University of Utah** Salt Lake City, UT
Doctor of Philosophy, Psychology (expected 2020)
Cognition and Neural Sciences Concentration
Undergraduate Research Mentor Development Certificate
Teaching in Higher Education Certificate
- 2015 - 2017 **University of Utah** Salt Lake City, UT
Master of Science, Psychology
- 2009 - 2013 **The George Washington University** Washington, DC
B.A., Psychology; Minor: English
Cum Laude, Departmental Honors

WORK EXPERIENCE

- 2015-Present **Graduate Research Assistant/Instructor** Salt Lake City, UT
Advisors/PIs: Dr. Dave Strayer (*Applied Cognition Lab*)
Dr. Bert Uchino (*Social Neuroscience Lab*)
Thesis: *Measuring Neural and Physiological Biomarkers in Nature: Modeling a Unified Theory of Attention Restoration and Stress Recovery*
- 2013 - 2015 **Research Assistant** Rockville, MD
Westat, Survey Operations
- 2010 - 2013 **Research Assistant** Washington, DC
Advisors/PIs: Dr. Sarah Shomstein (*Attention and Cognition Lab*)
Dr. Michelle Stock (*Health Cognitions and Behavior Lab*)

TEACHING AREAS

Cognitive Psychology/Neuroscience
Attention
Environmental Psychology
Research Methods
Statistics/Data Science
Health Psychology
Social Psychology

RESEARCH METHODS AND INTERESTS

Event-related Potentials (ERPs)
Electroencephalography (EEG)
Electrocardiography (ECG)
Measuring Attention Restoration/Stress Recovery
Neural Mechanisms of Working Memory
How Stress Physiology affects Cognitive Control
Divided Attention in Applied Contexts

TEACHING EXPERIENCE

<i>Westminster College</i> Fall 2020 – Present	<i>Salt Lake City, UT</i> Adjunct Instructor: Cognitive Psychology with Lab (hybrid)
<i>University of Utah</i> Spring 2021 Fall 2020 Summer 2019-Present Summer 2019 Spring 2019 Fall 2018 Summer 2018 Fall 2017- Spring 2018 Summer 2017 Spring 2017 Spring 2016	<i>Salt Lake City, UT</i> Graduate Instructor: Data Science for Psychology Majors Lab Instructor: Statistics (using R, online) Adjunct Instructor: MCAT Preparatory class, Psychology section Graduate Instructor: Psychology as a Science and Profession Graduate Instructor: Cognition in the Wild Teaching Assistant: Abnormal Psychology Graduate Instructor: Cognitive Neuropsychology (online) Lab Instructor: Statistics (using SPSS) Graduate Instructor: Social Psychology (online) Lab Instructor: Research Methods Teaching Assistant: Psychology as a Science and Profession

MANUSCRIPTS IN PREPARATION

Scott, E.E., McDonnell, A.S., LoTemplo, S.B., Uchino, B.N. & Strayer, D.L. (In preparation, anticipated publication date January 2021). Invited article on special issue: “Nature and Health: Emerging Knowledge Informs New Policy Directions”. *Place-based conservation*.

LoTemplo, S.B., McKinney, T.L., **Scott, E.E.**, McDonnell, A.S., McNay, D. Greenberg, K., Uchino, B.N., & Strayer, D.L. (In preparation). Does Immersion in Nature Provide a Boost to the Medial-Prefrontal Cortex? Nature as a Potential Moderator of the Anterior N2 Component. *International Journal of Psychophysiology*.

*Crabtree, K., **Scott, E.E.**, & Strayer, D.L. (In preparation). Measuring Working Memory and Affect in Real-World Environments. *Human Factors*.

*denotes undergraduate student author

MANUSCRIPTS UNDER REVIEW

Scott, E.E., McDonnell, A.S., LoTemplo, S.B., McNay, D. Greenberg, K., Castro, S., & Strayer, D.L. (Revise and Resubmit). Prolonged Immersion in Nature Modulates Neural Correlates of Working Memory. *Journal of Environmental Psychology*.

Hopman, R.J., LoTemplo, S.B., **Scott, E.E.**, McKinney, T.L., & Strayer, D.L. (Revise and Resubmit). Neuroelectric Biomarkers of Attention Change from Prolonged Exposure in a Natural Environment. *Cognitive Research: Principles and Implications*.

McDonnell, A.S., LoTemplo, S.B., **Scott, E.E.**, Greenberg, K., McNay, D., Castro, S., & Strayer, D.L. (Under review). Nature Modulates Neural Correlates of Reward. *PLOS One*.

PUBLISHED MANUSCRIPTS

Scott, E.E., LoTemplo, S.B., McDonnell, A.S., McNay, D. Greenberg, K., McKinney, T.L. Uchino, B.N., & Strayer, D.L. (2020). The Autonomic Nervous System in its Natural Environment: Immersion in Nature is Associated with Changes in Heart Rate and Heart Rate Variability. *Journal of Psychophysiology*.

LoTemplo, S. B., **Scott, E. E.**, McDonnell, A. S., Hopman, R. J., Castro, S., McNay, D., ... & Strayer, D. L. (2020). Nature as a potential modulator of the error-related negativity: A registered report. *International Journal of Psychophysiology*.

Uchino, B. N., Cronan, S., **Scott, E.E.**, Landvatter, J., & Papadakis, M. (2020). Social support and stress, depression, and cardiovascular disease. In *Cardiovascular Implications of Stress and Depression* (pp. 211-223). Academic Press.

Uchino, B. N., **Scott, E.E.**, de Grey, R. G. K., Hogan, J., Trettevik, R., Cronan, S., ... & Bosch, J. A. (2019). Sleep Quality and Inflammation in Married Heterosexual Couples: an Actor-Partner Analysis. *International journal of behavioral medicine*, 26(3), 247-254.

Uchino, B. N., Landvatter, J., Cronan, S., **Scott, E.E.**, Papadakis, M., Smith, T. W., ... & Joel, S. (2019). Self-Rated Health and Inflammation: A Test of Depression and Sleep Quality as Mediators. *Psychosomatic medicine*, 81(4), 328-332.

CONFERENCE PRESENTATIONS

Scott, E.E. McDonnell, A.S., LoTemplo, S.B., McNay, D. Greenberg, K., & Strayer, D.L. *Measuring Neural and Physiological Correlates of Attention Restoration and Stress Recovery in Natural Environments*. Poster to be presented at the 2020 Virtual Annual Meeting of the Society for Psychophysiological Research.

LoTemplo, S.B., **Scott, E.E.**, McDonnell, A.S., Hopman, R.J. Castro, S., McNay, D. Greenberg, K., & Strayer, D.L. *Nature as a Modulator of the Error-related Negativity: A Registered Report*. Poster to be presented at the 2020 Virtual Annual Meeting of the Society for Psychophysiological Research.

McDonnell, A.S., LoTemplo, S.B., **Scott, E.E.**, Greenberg, K., McNay, D. & Strayer, D.L. *Immersion in Nature modulates Reward Processing in the Brain*. Poster to be presented at the 2020 Virtual Annual Meeting of the Society for Psychophysiological Research.

*Crabtree, K., **Scott, E.E.**, & Strayer, D.L. *Examining Working Memory Performance and Affect in Real-World Environments*. National Conference for Undergraduate Research (postponed to April 2021 due to Covid-19).

*Crabtree, K., **Scott, E.E.**, Hopman, R.J., Uchino, B.N. & Strayer, D.L. (November, 2019). *Measuring Working Memory and Affect in a Virtual Environment: A Pilot Study*. Poster presentation at the Psychonomic Society's 60th Annual Meeting, Montreal, Quebec.

LoTemplo, S.B., **Scott, E.E.**, McDonnell, A.S., Hopman, R.J. Castro, S., McNay, D. Greenberg, K., & Strayer, D.L. (November, 2019). *Nature as a Potential Modulator of the Error-related Negativity*. Poster presentation at the Psychonomic Society's 60th Annual Meeting, Montreal, Quebec.

Scott, E.E., LoTemplo, S.B., McDonnell, A.S., Castro, S., McNay, D. Greenberg, K., & Strayer, D.L. (October, 2019). *Prolonged Exposure to Nature Modulates Neural Biomarkers of Attention*. Poster presentation at the 2019 SHIFT Conference in Jackson, Wyoming.

McDonnell, A.S., LoTemplo, S.B., **Scott, E.E.**, Castro, S., McNay, D. Greenberg, K., & Strayer, D.L. (October, 2019). *Reward positivity as a biomarker of attention restoration in nature*. Poster presentation at the 2019 SHIFT Conference in Jackson, Wyoming.

Hopman, R.J., LoTemplo, S.B., **Scott, E.E.**, & Strayer, D.L. (September, 2019). *Modulation of Neuroelectric Markers Dependent on Time Spent in Natural Environments*. Poster presentation at the Society for Psychophysiological Research 59th Annual Meeting, Washington, DC.

Scott, E.E., *Crabtree, K., Hopman, R.J., Uchino, B.N. & Strayer, D.L. (August, 2019). *Affective and Physiological Responses to Virtual Environments: A Pilot Study*. Poster presentation at the American Psychological Association Annual Meeting, Chicago, IL.

Hopman, R.J., **Scott, E.E.**, LoTemplo, S.B., McKinney, T.L., Euler, M.J., & Strayer, D.L. (November, 2018). *Modulation of Cognitive Restoration Dependent on Time Spent in Natural Environments*. Poster presentation at the Psychonomic Society's 59th Annual Meeting, New Orleans, LA.

Scott, E.E., Hopman, R.J., McKinney, T.L., LoTemplo, S.B., Uchino, B.N., Strayer, D.L. (May, 2018). *Short-Term and Long-Term Exposure to Nature Improves Affect across Multiple Studies*. Poster presented at Annual Meeting of Association of Psychological Science, San Francisco, CA.

Hopman, R.J., **Scott, E.E.**, Weissinger, K., Castro, S.C., Turrill, J., Strayer, D.L. (April, 2017). *Measuring Cognition in Nature - Neural Effects from Prolonged Exposure to Nature*. Poster presented at Annual Meeting of Association of Psychological Science, Boston, MA.

Scott, E.E., Hopman, R.J., Weissinger, K., Castro, S.C., Turrill, J., Strayer, D.L. (January, 2017). *The benefits of "no service": Immersion in nature is associated with changes in mood and life satisfaction*. Poster presented at Annual Meeting of the Society for Personality and Social Psychology, San Antonio, TX.

MENTORING OF UNDERGRADUATE HONORS THESES

Mason Stephens, "Neural Mechanisms of Working Memory in Natural Environments." Psychology honors thesis, academic year 2020-2021. [In progress]

Daniel Anderson, "Physiological Responses to Natural Environments." Psychology honors thesis, academic year 2020-2021. [In progress]

Kaedyn Crabtree, "Evaluating Working Memory and Affect in Natural and Urban Environments." Psychology honors thesis, academic year 2019-2020. [Completed]

MENTORING OF UNDERGRADUATE PROJECTS

Students in the University of Utah's Undergraduate Research Opportunities Program (UROP) receive up to two semesters of funding (\$1,200) to conduct research and present findings at the University's Conference for Undergraduate Research that occurs each semester.

Daniel Anderson, UROP Recipient (Spring-Summer 2020)

Lauren Zieglmayer, UROP Recipient (Spring-Summer 2020)

Kaedyn Crabtree, UROP Recipient (Fall 2017-Spring 2018)

COMMITTEE SERVICE/SCIENCE OUTREACH

2020-Present	Coordinator, Nature and Health Group
2020-Present	STEM Ambassador Program
2019-Present	Graduate Committee, Area Representative
2019-Present	Outreach Committee
2018-Present	Brain Awareness Week, Volunteer
2018-Present	Girls in STEM event, Volunteer
2017-2018	Ethics Committee, Area Representative
2016-2018	Graduation Committee
2017	Lecturer, Initiative to bring Science Programs to the Incarcerated
2016-2017	Social Area Research Group Co-Coordinator
2016-2017	Staff Partner, Alternative Breaks Program

ACADEMIC HONORS/AWARDS

2020-2021	Graduate Teaching Fellowship, University of Utah (\$18,700)
2019-2020	Graduate Research Fellowship, University of Utah (\$18,700)
2020	Teaching Excellence Nomination
2018	Preliminary Exam Distinction Award, University of Utah
2018	Research Commendation Award
2016-Present	Travel Award, University of Utah (\$500-1000 per conference)
2015-Present	Full Tuition Scholarship, University of Utah
2009-2013	Partial Tuition Scholarship, George Washington University

PROFESSIONAL AFFILIATIONS

2020-Present	Society for Psychophysiological Research
2017-Present	Society for Psychological Science
2016-2017	Toastmasters International
2016-2017	Society for Personality and Social Psychology
2011-Present	Psi Chi (National Honors Society in Psychology)

LANGUAGE SKILLS: *Limited working proficiency in French, Spanish*

PROGRAMMING SKILLS: *Proficiency in R, SPSS, EEG/ERPlab, MATLAB, E-Prime*
Experience with SAS, HLM, Python, PsychoPy