

# SARA B. LOTEMPLIO, M.S.

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## Education

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*PhD Student* in Cognitive Neuroscience, University of Utah, Degree expected 2022.

*Master of Science* in Cognition and Neural Sciences, University of Utah, 2018.

*Bachelor of Arts* in Psychology with a concentration in neuroscience (honors) and in Environmental Science with a concentration in marine science (distinction), Colby College 2016.

## Research Interests

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I'm interested in attention, language, and memory, and I am particularly passionate about using EEG to study each. I'm currently particularly interested in the restorative effects of natural environments on attention; both their cognitive benefits and neurological underpinnings. I'm also interested in co-registering methods such as pupillometry and TMS with EEG to further characterize well-known ERP components. Before Utah, I worked for three years as a research assistant in Colby College's Memory and Language Lab on projects relating to semantic memory, false memory, the testing effect, and cognitive aging. I additionally worked in an environmental science lab, studying water quality.

## Research Experience

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*Graduate Research Fellowship*, National Science Foundation, University of Utah (2019- present).

*Graduate Research Assistant*, Language and Memory Aging Lab, University of Utah (2017-present).

*Graduate Research Assistant*, Applied Cognition Laboratory, University of Utah (2017-present).

*Senior Honors Thesis*, Department of Psychology, Colby College (2016).

*Research Assistant*, Memory and Language Lab, Colby College (September 2013 to May 2016).

*Research Assistant*, Environmental Studies Program, Colby College (May to December 2014).

*Research Assistant*, Department of Philosophy, Colby College (September 2012 to May 2013).

## Teaching Experience

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*Graduate Instructor*, Cognition in the Wild, University of Utah (2019).

*Graduate Teaching Assistant*, Cognitive Psychology, University of Utah (2017).

*Tutor*, Introduction to Psychology, Colby College (September 2014- May 2016).

*Tutor*, Cognitive Psychology, Colby College (2014).

## Publications

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LoTemplio, S., Reynolds, T., Eshete, A., Abrahams, M., Bruesewitz, D., & Wall, J. A. (2017).

Ethiopian Orthodox church forests provide hydrological ecosystem services: evidence from stream sediment and aquatic insect analyses. *African Journal of Ecology* 55, 247-251.

LoTemplio, S., Scott, E.S., Hopman, R.J., McDonnell, A., McKinney, T.L., Payne, B.R., Strayer, D.L.

(In Principal Acceptance). Nature as a Modulator of the Error Related Negativity. *International Journal of International Psychophysiology*.

Coleman, J., LoTemplio, S., & Strayer, D.L. (under revision). How Sweet it is: A Double-Blind Placebo Control Assessment of the Role Glucose Plays in the Regulation of Errant Behavior.

## **Manuscripts in Preparation**

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Scott, E.S., Hopman, R.J., Crabtree, K., *LoTemplo*, S., McDonnell, A., Uchino, B., Strayer, D.L. (in prep). Cognitive, Affective, and Physiological Responses to Virtual Environments: A Pilot Study.

Hopman, R.J., Scott, E.E., McKinney, T.L., *LoTemplo*, S, Euler, M.J, Strayer, D.L. (in prep). Neurophysiological Changes from Prolonged Exposure in a Natural Environment.

*LoTemplo*, S., Silcox, J., Payne, B., Federmeir, K. (in prep). Co-registration of Pupillary and Electrophysiological Responses in a Visual Oddball Task.

*LoTemplo*, S., & Coane, J.H. (in prep). Brief Exposure to Scientific Content Affects Acceptance Rates of Climate Change.

## **Invited Talks**

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*LoTemplo*, S. (2016, April). Is God Green?: Religious influences on climate change beliefs. Presentation given at the 2016 CLAS Highlights Address, Waterville, ME

## **Presentations at National Conferences**

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*LoTemplo*, S., Payne, B., & Federmeir, K. (2018, November). Co-registration of Pupillary and Electrophysiological Responses in a Visual Oddball Task. Presented at the 2018 Psychonomic Society Meeting in New Orleans, Louisiana.

Hopman, R.J., *LoTemplo*, S., Scott, E., & Strayer, D.L. (2018, November). Modulation of Cognitive Restoration Dependent on Time Spent in Natural Environments. Presented at the 2018 Psychonomic Society Meeting in New Orleans, Louisiana.

*LoTemplo*, S., Reynolds, T., Bruesewitz, D. Pearson, A. (2014, August). Ethiopian Orthodox church forests provide hydrological ecosystem services: evidence from stream sediment and aquatic insect analyses. Presented at the 2014 Meeting of the Ecological Society of America, Sacramento, CA.

## **Presentations at Regional or Local Conferences**

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*LoTemplo*, S., Legault, M., Coane, J.H. (2016, April). Is God Green?: Religious influences on climate change beliefs. Presented at the 2016 Colby Liberal Arts Symposium, Waterville, ME.

*LoTemplo*, S., Legault, M., Coane, J.H. (2016, March). Is God Green?: Religious influences on climate change beliefs. Presented at the 2016 Meeting of the Eastern Psychological Association, New York, NY.

*LoTemplo*, S., Reynolds, T., Bruesewitz, D. Pearson, A. (2014, September). Ethiopian Orthodox church forests provide hydrological ecosystem services: evidence from stream sediment and aquatic insect analyses. Presented at the 2014 Inauguration of President David A. Greene, Waterville, ME.

*LoTemplo*, S., Reynolds, T., Bruesewitz, D. Pearson, A. (2014, August). Ethiopian Orthodox church forests provide hydrological ecosystem services: evidence from stream sediment and aquatic insect analyses. Presented at the 2014 Colby Undergraduate Summer Research Retreat, Forks, ME.

*LoTemplo, S., Coane, J.H. (2014, April). Does Dog Prime Head? Priming for New Associations. Presented at the 2014 Colby Liberal Arts Symposium, Waterville, ME.*

*LoTemplo, S., Valentin, M., Rabjohns, J., & Cooke, M. (2014, April). Reputation, Marketing, and the Pursuit of Green. Presented at the 2014 Colby Liberal Arts Symposium, Waterville, ME.*

*Termonen, M. L., Coane, J. H., LoTemplo, S., & Boland, S. (2014, March). Rat-Hat or Bat-hat: Association strength in orthographic and phonological priming. Presented at the 2014 Meeting of the Eastern Psychological Association, Boston, MA.*

*LoTemplo, S., Coane, J.H. (2013, December). Does Dog Prime Head?. Presented at the 2013 Colby College Psychology Fall Poster Session, Waterville, ME.*

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### **Skills**

*Proficient* in SPSS, R, E-Prime, Excel, and Matlab  
*Experience* with PsychoPy, BioPac, Curry, & GIS  
*Conversational* in French and Spanish

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### **University & Department Service**

Diversity Graduate Application Advisory (2018 to present)  
Outreach Committee for the University of Utah Psychology Department (2018 to present)  
Diversity Committee for the University of Utah Psychology Department (2017 to present)  
Task Force for the Globalization of Colby College (2016)  
Search Committee for Director of Outdoor Education, Colby College (2013)

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### **Grants & Awards**

Clayton Award for Graduate Research Excellence \$2850 (2019)  
National Science Foundation Graduate Research Fellowship \$34,000 (2019-2022)  
Graduate Travel Award for Psychonomic Society Meeting \$1,000 (2018)  
Commendation for Service, the University of Utah Department of Psychology (2018)  
Special Projects Grant, Eastern Psychological Association, \$500 (2016)  
Presidential Scholar Opportunity Grant, Bonaire, \$3000 (2016)  
Special Projects Grant, Ecological Society of America, \$500 (2014)  
Kathryn W. Davis Projects for Peace Grant Recipient, Nicaragua \$10,000 (2014)  
Special Projects Grant, Eastern Psychological Association, \$500 (2014)

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### **Membership in Professional Associations**

Psychonomics Society  
Eastern Psychological Association  
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