

## CURRICULUM VITAE

### STEPHEN MATTINGLY

Sleep, Stress and Memory (SAM) Laboratory  
Infant Studies Laboratory  
Dept. of Psychology-University of Notre Dame  
Haggar Hall, Room B24 Notre Dame, IN 46556  
Cell phone: 513-582-4691; E-Mail: smattin1@nd.edu

### EDUCATION

- 2012-2015 University of Notre Dame, Notre Dame IN, 46556  
Cognition, Brain, Behavior Graduate Student GPA: 3.9  
M.A. Cognition, Brain, Behavior
- 2007-2011 B.A., Psychology & English, GPA: 3.55  
Senior Honor's Thesis: *The Impact of Stress and Cortisol on Emotional Tradeoff Effects in Long-Term Memory*  
English Capstone Project: Psychological readings and the role of observation in the *Turn of the Screw*  
Study Abroad: London, England  
Internship with the US-UK Fulbright Commission  
GRE: Verbal 610, Quantitative 680, Analytic Writing 5.0

### HONORS & AWARDS

- 2010 Notre Dame/Boston College Cognitive Neuroscience Exchange Program  
2013 Representative to the Graduate Advisory Committee  
2013 Graduate Student Research Award: *Individual Variability in Statistical Learning: a Possible Cognitive Mechanism of Insight*. \$1296.00  
2015 Faculty Meeting Representative, Cognitive

### RESEARCH EXPERIENCE

- 2010- present: Lab Manager: Sleep, Stress, and Memory Lab  
Notre Dame  
Supervisor: **Jessica Payne, PhD**  
Tasks: Hardware / software purchasing and installation, scheduling of RA's and participants, manage Access database, polysomnography technician and interpretation, cortisol collection and assaying, Photoshop, E-prime, Excel, SPSS.  
Radiation, Biological Samples, and Blood Bourne Pathogens Safety Trained
- 2011 - 2012: Lab Manager: Infant Studies  
Notre Dame  
Supervisor: **Jill Lany, PhD.**

Tasks: Setup of custom infant testing procedure (hardware and software), Stimulus development – Adobe Premiere Pro, Audition, Photoshop, Habit 1.0. Training and supervising RA's, Testing infant participants

- 2010: Summer Program, Cognitive Affective Neuroscience Lab Internship  
Boston College  
Mentor: **Elizabeth Kensinger, PhD**, Dept. of Psychology  
Topic: The effect of sleep and wake in emotional memory learning and recognition in humans  
Tasks: Human behavioral experiments, fMRI, Stimulus creation and editing in Photoshop, E-prime, data coding, data entry in Excel, data analysis fMRI yellow badge at Harvard/Massachusetts General Hospital
- 2009: Research Assistant, Sleep, Stress, and Memory Lab  
University of Notre Dame  
Supervisor: Jessica Payne, PhD  
Tasks: Create an experiment, run participants, conduct the Trier Social Stress Test

## WORK EXPERIENCE

- 2009: Pretrial Defendant Interviewer  
Hamilton County Pretrial Services, Cincinnati OH  
Supervisor: Wendy Niehaus  
Tasks: Interview defendants to determine likelihood of returning to court, and to connect them if possible to support services, including mental health assessments and medication, drug/alcohol abuse counseling, and social services. High clinical population

## ABSTRACTS FROM SCIENTIFIC CONFERENCES

- 2012: **Mattingly S.**, Payne J., Wirth M., Kensinger E., Stienmetz K., *The Influence of Post-Encoding Stress on Emotional Memory Trade-offs*  
Cognitive Neuro Science, Chicago IL, 2012
- 2012: **Mattingly, S.**, Payne J., Wirth M., Kensinger E., Cunningham T., *The Effect of Stress on Rapid Eye Movement Sleep, Emotional Memory Tradeoff Effect, and Cortisol Awakening Response*  
Sleep 2012, Boston MA, 2012
- 2012: **Mattingly, S.**, Payne J., Wirth M., Kensinger E., Cunningham T. E., Stienmetz K, Chambers, A. *The Impact of Stress and Cortisol on Tradeoff Effects in Long-Term Memory*

American Psychological Society, Chicago IL, 2012

2012: **Mattingly, S.**, Payne J.D., Crowell, C., Villano, M., Cunningham T.  
*Emotional Memory and Psychophysiological Regulation Following a Night of Sleep*  
American Psychological Society, Chicago IL, 2012

2014: **Mattingly, S. M.**, Payne, J.D., Kensinger, E., Algier, S., Cunningham, T.,  
Wirth, M., *Stress Effects on Consolidation of Emotional Memory Tradeoffs at 24 and 48 Hours.*  
Sleep 2014, Minneapolis, MN, 2014

2015: **Mattingly, S. M.**, Payne, J.D. *The Effects of Semantic Relatedness on Long Term Survival Memory Processing*  
Society for Neuroscience Annual Meeting, Chicago IL, 2015

## PUBLICATIONS

2014: Cunningham, A., Crowell, C, Alger, S.E., Villano, M, Mattingly, S, & Payne, J.D. Sleep's role in the depotentiation of psychophysiological reactivity and its relationship to subsequent memory. *Neurobiology of Learning and Memory*, 114, 155-164.

2015: Paredilla-Delgado, E., Mattingly, S.M., Alger, S.E., Chambers, A., Cunningham, T. & Payne, J.D. Sleep's role in the consolidation and integration of declarative memories. In M. Sakakibara & E. Ito (Eds.), *Memory Consolidation*. Nova Science Publishers: New York.

## TALKS

2015: "Sleep Improves Performance" delivered to the women's soccer team of Notre Dame. 9/17/15

## GUEST LECTURES:

2015: Neuroscience and Behavior Lab talk about EEG and sleep physiology 12/3/15

## ARTICLES IN PREPARATION

2015: Mattingly S.M., Payne J., Wirth M., Kensinger E., Stienmetz K., *The Impact of Stress and Cortisol on Tradeoff Effects in Long-Term Memory.*

2015

Payne, J.D., Cunningham, A., Mattingly, S., Wirth, M.M., & Alger, S.E.  
*Stress exposure magnifies tradeoffs in emotional memory: Implications for  
memory consolidation.*

**REFERENCES**

**Jessica D. Payne, PhD**

Assistant Professor, Dept. of Psychology

University of Notre Dame, IN, 46556

[jessica.payne.70@nd.edu](mailto:jessica.payne.70@nd.edu)

**Jill Lany, PhD**

Assistant Professor, Dept. of Psychology

University of Notre Dame, IN, 46556

[jlany@nd.edu](mailto:jlany@nd.edu)

**Elizabeth Kensinger, Ph. D**

Assistant Professor, Dept. of Psychology

Boston College, MA, 02467

[elizabeth.kensinger@bc.edu](mailto:elizabeth.kensinger@bc.edu)