

# ELYSSA BARRICK

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## EDUCATION

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In Progress      **PhD, Psychology**  
Case Western Reserve University  
Advisor: Dr. Sarah Hope Lincoln

2011                **BS Neuroscience**  
**BA Psychology**  
Minor: Art  
University of New Hampshire

## HONORS AND AWARDS

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2021                Abraham W. Wolf, Ph.D. Endowed Fund for Graduate Fellowship in Clinical Psychology, *Case Western Reserve University*

2021                NSF Graduate Research Fellowship, Honorable Mention

2013                Partners in Excellence Award: Leadership and Innovation, *McLean Hospital*

2010                Summer Undergraduate Research Fellowship (SURF), *University of New Hampshire*  
Project: Event-related microstimulation of mPFC in the rat.

2010                George M. Haselrud Undergraduate Award for outstanding academic achievement and personal leadership, Finalist, *University of New Hampshire*

## RESEARCH EXPERIENCE

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2018-2021        Princeton Social Neuroscience Laboratory, Princeton University  
*Research Specialist/Lab Manager*  
Advisor: Dr. Diana Tamir

2017-2018        Functional Neuroimaging and Bioinformatics Laboratory, McLean Hospital  
*Clinical Research Assistant*  
Advisor: Dr. Justin Baker

2014-2018        Motivated Learning and Memory Laboratory, McLean Hospital  
*Clinical Research Assistant*  
Advisor: Dr. Daniel Dillon

- 2013-2014 Behavioral Health Partial Hospital Program, McLean Hospital  
*Volunteer Research Assistant*  
Advisors: Dr. Courtney Beard & Dr. Throstur Bjorgvinsson
- 2009-2011 Brain, Behavior and Cognition Program, University of New Hampshire  
*Undergraduate Research Assistant*  
Advisor: Dr. Robert Mair

## PUBLICATIONS

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**Barrick, E. M.**, Barasch, A., & Tamir, D.I. (2022). The unexpected consequences of diverting social attention to our phones. *Journal of Experimental Social Psychology*, 101, 104344. <https://doi.org/10.1016/j.jesp.2022.104344>

**Barrick, E. M.**, Thornton, M. A., & Tamir, D. T. (2021). Mask exposure during COVID-19 changes emotional face processing. *PLOS One*, 16(10), e0258470. <https://doi.org/10.1371/journal.pone.0258470>

Cooper, J., Nuutinen, M., Lawlor, V., DeVries, B., **Barrick, E.**, Hossein, S., Cole, D., Leonard, C., Hahn, E., Teer, A., Shields, G, Slavich, G., Ongur, D., Jensen, J., Du, F., Pizzagalli, D., & Treadway M. (2021). Reduced adaptation of glutamatergic stress response is associated with pessimistic expectations in depression. *Nature Communications*, 12(1), 3166. [doi:10.1038/s41467-021-23284-9](https://doi.org/10.1038/s41467-021-23284-9)

Wu, C., Dillon, D. G., Hsu, H., Huang, S., **Barrick, E.**, & Liu, Y. (2018). Depression Detection Using Relative EEG Power Induced by Emotionally Positive Images and a Conformal Kernel Support Vector Machine. *Applied Sciences*, 8(8), 1244. [doi:10.3390/app8081244](https://doi.org/10.3390/app8081244)

**Barrick, E. M.** & Dillon, D. G. (2018). An ERP Study of Multidimensional Source Retrieval in Depression. *Biological Psychology*, 132, 176-191. [doi:10.1016/j.biopsycho.2018.01.001](https://doi.org/10.1016/j.biopsycho.2018.01.001)

Beard, C., Donahue, R. J., Dillon, D. G., Van't Veer, A., Webber, C., Lee, J., **Barrick, E.**, Hsu, K. J., Foti, D., Carroll, F. Y., Carlezon, W.A., Jr., Björgvinsson, T., & Pizzagalli, D. A. (2015). Abnormal Error Processing in Depressive States: A Translational Examination in Humans and Rats. *Translational Psychiatry*, 5(5), 564-570. [doi:10.1038/tp.2015.54](https://doi.org/10.1038/tp.2015.54)

### *Manuscripts in Preparation*

**Barrick, E. M.**, Thornton, M. A., Zhao, Z., & Tamir, D. I. (2022). Individual differences in emotion prediction accuracy and implications for social success.

## PRESENTATIONS

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**Barrick, E. M.**, Tamir, D. I., Lincoln, S. (2022, September). Emotion Representation and Dynamics in Schizotypy. Poster presented at the 35<sup>th</sup> Annual Meeting of the Society for Research in Psychopathology, Philadelphia, PA.

**Barrick, E. M.**, Mildner, J., Ibonie, S., Tamir, D. I., Gruber, J. (2021, September). The dynamics of spontaneous thought during mania facilitate creativity among emerging adults. Poster presented at the 34<sup>th</sup> Annual Meeting of the Society for Research in Psychopathology, Virtual Conference.

**Barrick, E.**, Thornton, M. & Tamir, D. (2020, February). Emotion Prediction in the Self and Others Across Levels of Autistic Symptoms. 21<sup>st</sup> Annual Meeting of the Society for Personality and Social Psychology, New Orleans, LA.

**Barrick, E. M.**, Lincoln, S., Tully, L. M., Dodell-Feder, D. & Hooker, C. I. (2017, September). Characterizing differences in social cognitive deficits in individuals at clinical-high risk for psychosis, familial risk for psychosis, and with psychotic disorders: A cross-group comparison. Poster presented at the 31<sup>st</sup> Annual Meeting of the Society for Research in Psychopathology, Denver, CO.

Dillon, D. G. & **Barrick, E. M.** (2017, September). Major Depressive Disorder Disrupts Reward-Guided Choice During Reinforcement Learning. Poster presented at the 31<sup>st</sup> Annual Meeting of the Society for Research in Psychopathology, Denver, CO

**Barrick, E. M.** & Dillon, D.G. (2017, May). The impact of depression in brain activity during source memory retrieval. Poster Presented at the 29<sup>th</sup> Association for Psychological Sciences Annual Convention, Boston, MA.

**Barrick, E. M.** & Dillon, D. G. (2016, September). ERP evidence of disrupted source memory in Major Depressive Disorder. Poster presented at the 30<sup>th</sup> Annual Meeting of the Society for Research in Psychopathology, Baltimore, MD.

**Barrick, E. M.** & Dillon, D. G. (2016, January). Investigating source memory retrieval in unipolar depression. Poster presented at the 7<sup>th</sup> Annual McLean Hospital Research Day, Belmont, MA.

**Barrick, E. M.** & Dillon, D.G. (2015, January). Investigating source memory and hypofrontality in unipolar depression. Poster presented at the 6<sup>th</sup> Annual McLean Hospital Research Day, Belmont, MA.

**Barrick, E. M.**, Onos, K.D. & Mair, R.G. (2011, April). The role of hippocampus in spatial working memory in the rat: direction versus location-based cues. Oral research presentation at the George M. Haselrud Undergraduate Research Conference, Durham, NH.

## ADVISING EXPERIENCE

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- 2021-Present Case Western Reserve University  
*Undergraduate capstone students*: Grant Nelson (2021-present),  
Nicholas Guerra (2022-present)
- 2017-2018 Princeton University  
*Undergraduate thesis student*: Samantha Grayson

## CLINICAL EXPERIENCE

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- 2012-2014 Appleton Program for Bipolar and Psychotic Disorders, McLean Hospital  
*Community Residence Counselor*

## TEACHING EXPERIENCE

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- 2010 Introduction to Psychobiology  
University of New Hampshire, Department of Psychology  
Instructor: Dr. Robert Mair  
*Undergraduate Teaching Assistant*

## PROFESSIONAL SERVICE

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- 2018-Present Ad Hoc Reviewer  
*Journal of Psychiatric Research, Schizophrenia Bulletin, Early Intervention  
in Psychiatry, Schizophrenia Research*

## OTHER SERVICES

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- 2022-Present Diversity Committee, Case Western Reserve University: Department of  
Psychology

## SKILLS

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- Neuroimaging EEGlab • Siemens 3T • fMRI preprocessing
- Data Analysis Jupyter Notebook • Rstudio
- Programming Python • MATLAB
- Survey Software Qualtrics • REDCap
- Clinical Assessments SCID-V • WAIS-IV • WISC-V • WIAT-IV • M.I.N.I. • YMRS • MADRS •  
PANSS • MCAS • SITBI
- Design Affinity Photo • Photoshop