

Shannon E. (O'Brien) MacDonald

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EDUCATION

Texas A&M University <i>PhD: Clinical Psychology, expected 2028</i>	2021-
University of Massachusetts Dartmouth <i>Master of Arts: Psychology (Research)</i>	2015-2018
University of Massachusetts Dartmouth <i>Bachelor of Arts: Psychology, magna cum laude</i>	2011-2015

AWARDS AND HONORS

University of Massachusetts Dartmouth

- *Golden Key International Honor Society* 2014-2018
- *Psi Chi, the International Honor Society in Psychology* 2013-2018
- *Dean's Award for Academic Excellence* Fall 2011, 2013, 2014 | Spring 2012, 2013, 2015
- *Chancellors Award for Academic Excellence* Fall 2012, 2015 | Spring 2014

PUBLICATIONS AND AUTHORSHIP

1. Bautista, F., **MacDonald, S. E.**, Bauer, E. A., Cheng, Y., & MacNamara, A. (2022). Generalization of reappraisal to novel negative stimuli as evidenced by the LPP. *International Journal of Psychophysiology*, 176, 164–170. <https://doi.org/10.1016/j.ijpsycho.2022.04.006>
2. Wilson, K., **MacDonald, S.**, Zhang Y., Bauer, E., Maren, S. & MacNamara, A. (2021) Backwards Conditioning and Intolerance of Uncertainty: An ERP and SCR Investigation (Abstract). *Psychophysiology*, 58(S1), S32.
3. **MacDonald, S.**, & O'Hare, A. (2020) Trait Mindfulness and Affective Embodied Priming as Measured by the Late Positive Potential: An ERP Study (Abstract). *Psychophysiology*, 57(S1), S21.
4. **O'Brien, S.** (2018). The Impact of Trait Mindfulness on Affective Priming as Measured by the Late Positive Potential: An ERP Study: A Thesis in Psychology [Master's Thesis, University of Massachusetts Dartmouth]. University of Massachusetts Dartmouth Digital Archive. https://umassd.primo.exlibrisgroup.com/permalink/01MA_DM_INST/kde4of/alma9914116406101301

PUBLICATIONS AND AUTHORSHIP IN PREPARATION

1. **MacDonald, S.**, Zhang Y., Wilson, K., Bauer, E., Maren, S. & MacNamara, A. Backward Conditioning as a Means of Eliciting Contextual Threat Memories in Humans: Implications for Internalizing Psychopathology [Manuscript submitted for publication].
2. Idiculla, T., **MacDonald, S.** & Berkowitz, J. *The Development of the Behavior and Symptom Identification Scale for the Adolescent Population (Basis-T)* [Manuscript submitted for publication]. Mental Health Services Evaluation, McLean Hospital.
3. **MacDonald, S.** & O'Hare, A. (in progress) *Trait Mindfulness and Embodied Affective Priming Measured by the Late Positive Potential: An ERP Study.*

PRESENTATIONS AND SYMPOSIA

1. MacNamara, A., Zhang, Z., Wilson, K. A., Cheng, Y., Bauer, E. A., Jackson, B., Maren, S., & **MacDonald, S.E.** (2022). Modeling anxiety and its treatment in the lab: a novel means of eliciting context and modulation of threat extinction by working memory load. 2022 Society of Psychophysiological Research, Vancouver, CA.
2. **MacDonald, S.E.** (2022). Eliciting Contextual Threat Memories via Backward Conditioning: Implications for Internalizing Psychopathology. 4th Annual Stress, Anxiety and Resilience (SAR) Symposia, Texas A&M University.
3. **O'Brien, S.** & O'Hare, A (2018). The Impact of Trait Mindfulness on Embodied Priming as Measured by the Late Positive Potential: An ERP Study. UMASS Dartmouth Psychology Department Brown Bag Series, University of Massachusetts Dartmouth.

RESEARCH POSTER PRESENTATIONS - National

1. Wilson, K.A., **MacDonald, S.E.**, Bauer, E.A., Zhang, Y., Maren, S. & MacNamara, A. (2022, April). Backwards Conditioning Indirectly Retrieves Threat Memories: Implications for Internalizing Psychopathology [Poster presentation]. Society of Biological Psychiatry, New Orleans, LA.
2. Wilson, K.A., **MacDonald, S.E.**, Bauer, E.A., Zhang, Y., Maren, S. & MacNamara, A. (2021, October). Backwards conditioning and intolerance of uncertainty: An ERP and SCR investigation [Poster presentation]. 2021 Society of Psychophysiological Research, Virtual Showcase.
3. **MacDonald, S.** & O'Hare, A. (2020, Oct). Trait Mindfulness and Embodied Affective Priming Measured by the Late Positive Potential [Poster presentation]. 2020 Virtual Annual Meeting of the Society for Psychophysiological Research (SPR); Virtual Showcase.
4. **MacDonald, S.** & O'Hare, A. (2020, May). Trait Mindfulness and Embodied Affective Priming Measured by the Late Positive Potential [Poster presentation]. 32nd annual Association for Psychological Science Convention; Virtual Showcase.
5. Idiculla, T., Lee, A., **O'Brien, S.**, & Berkowitz, J. (2019, Apr). The Role of Social Support on Psychiatric Symptom Severity and Treatment Outcomes [Poster presentation]. 2019 American Psychological Association Convention; Chicago, IL.
6. Idiculla, T., Lee, A., **O'Brien, S.**, & Berkowitz, J. (2019, Apr). Establishing Behavior and Symptom Identification Scale (BASIS-24) Cut Scores: Differentiating Severity Levels for Psychiatric Patients [Poster presentation]. 2019 American Psychological Association Convention; Chicago, IL.
7. Girouard, C., **O'Brien S.**, Da Costa Ferro, A., O'Hare, A. & Fugate, J. (2016, May). Neural Measures of Sustained Attention Effects in Emotional Categorization [Poster presentation]. 28th annual Association for Psychological Science Convention; Chicago, IL.

RESEARCH POSTER PRESENTATIONS – Regional

1. Da Costa Ferro, A., Martin, L., Girouard, C., **O'Brien, S.** & O'Hare, A. (2016, March). Conflict Adaptation Is Not Consistent Across Tasks of Cognitive Control [Poster presentation]. 2016 Annual Meeting of the Eastern Psychological Association; New York City, NY.

RESEARCH POSTER PRESENTATIONS - Local

1. Idiculla, T., Lee, A., **MacDonald, S.**, & Berkowitz, J. (2020, Jan). Establishing Behavior and Symptom Identification Scale (BASIS-24) Cut Scores: Differentiating Severity Levels for Psychiatric Patients [Poster presentation]. Harvard Psychiatry Research Day Poster Session & Mysell Lecture Research Day, Boston, MA
**Cancelled due to COVID-19*
2. Idiculla, T., Lee, A., **MacDonald, S.**, & Berkowitz, J. (2020, Jan). Establishing Behavior and Symptom Identification Scale (BASIS-24) Cut Scores: Differentiating Severity Levels for Psychiatric Patients [Poster presentation]. 2020 McLean Hospital Research Day; McLean Hospital, Belmont, MA.
3. Idiculla, T., Lee, A., **O'Brien S.**, & Berkowitz J. (2019, Apr). The Role of Family and Social Support on Psychiatric Treatment Outcomes [Poster presentation]. 2019 Harvard Psychiatry Research Day Poster Session & Mysell Lecture Research Day, Boston, MA.
4. Idiculla, T., Lee, A., **O'Brien, S.**, & Berkowitz, J. (2019, Jan) The Role of Social Support on Psychiatric Symptom Severity and Treatment Outcomes [Poster presentation]. 2019 McLean Hospital Research Day; McLean Hospital, Belmont, MA.
5. Idiculla, T., **O'Brien, S.**, & Berkowitz, J. (2018, April). Determinants of Perceptions of Care in Inpatient Psychiatry: The Role of Self Rated Treatment Outcomes [Poster presentation]. 2018 Harvard Psychiatry Research Day Poster Session & Mysell Lecture Research Day, Department of Psychiatry; Harvard Medical School, Boston, MA.
6. Idiculla, T., Lee, A., Salcone S., Berkowitz, J. & **O'Brien, S.** (2018, Jan). Development of the Behavior and Symptom Identification Scale in an Adolescent Psychiatric Population (BASIS-T) [Poster presentation]. 2018 McLean Hospital Research Day; McLean Hospital, Belmont, MA.
7. Idiculla, T., Lee, A., Salcone S., Berkowitz, J. & **O'Brien, S.** (2017, April). Development of the Behavior and Symptom Identification Scale in an Adolescent Psychiatric Population (BASIS-T) [Poster

presentation]. 2017 Harvard Psychiatry Research Day Poster Session & Mysell Lecture Research Day, Department of Psychiatry; Harvard Medical School, Boston, MA.

8. Da Costa Ferro, A., Martin, L., Girouard, C., **O'Brien, S.**, & O'Hare, A. (2016, May). Conflict Adaptation Is Not Consistent Across Tasks of Cognitive Control [Poster presentation]. 12th Annual Psi Chi Regional Psychology Conference; University of Massachusetts Dartmouth, Dartmouth, MA.
9. Girouard, C., **O'Brien S.**, Da Costa Ferro, A., O'Hare, A. & Fugate, J. (2016, May). Neural Measures of Sustained Attention Effects in Emotional Categorization [Poster presentation]. 12th Annual Psi Chi Regional Psychology Conference; University of Massachusetts Dartmouth, Dartmouth, MA.

RESEARCH EXPERIENCE

McLean Hospital

2019-2021

Research Project Manager at the SPARED Conte Center, Dept. of Basic Neuroscience

Directors: William Carlezon, PhD and Kerry Ressler MD, PhD

- Assist preclinical and clinical researchers in the field of stress comprehensively examine, compare, and contrast the neurobiological effects of CRF and PACAP and how these peptides contribute to the development and expression of psychiatric illness (PTSD)
- Manage the submission of grant applications to the NIH, industry and internal awards as well as RPPRs and RMRs

McLean Hospital

2017-2019

Business Manager with Thomaskutty Idiculla, PhD, Dept. of Mental Health Services Evaluation

- Assisted in the development and validation of a brief yet comprehensive assessment designed to examine the outcome of mental health or substance abuse treatment from the adolescent patient's perspective (BASIS-T)
- Determined the validity of the BASIS-24 and Perceptions of Care survey in various clinical settings

University of Massachusetts Dartmouth

2015-2028

Graduate Research Assistant with Aminda O'Hare, PhD, Dept. of Psychology

- Explore the relationships among aspects of trait mindfulness and affective embodied priming on emotion perception using behavioral and event-related potential (ERP) methodologies
- Specifically, how exposure to an affective embodied prime affect one's classification of an affectively incongruent or congruent stimulus and whether reactions are modulated by their trait mindfulness

Confer Health, Inc

2016-2017

Clinical Research Coordinator, Boston MA

- Assisted in the data collection of human specimens in an effort to develop a clinical-grade pregnancy test that can be administered by oneself in the home.

University of Massachusetts Dartmouth

2014-2015

Undergraduate Research Assistant with Aminda O'Hare, PhD, Dept. of Psychology

- Explore the neural correlates of emotion-cognition interactions using behavioral and event-related potential (ERP) methodologies, including time perception, attention, visual awareness, conflict adaptation, cognitive biases, anxiety and pain

Northeastern University

2014

Undergraduate Research Assistant with Lisa Feldman-Barrett, PhD, Dept. of Psychology

- Investigate how affective realism, the phenomenon whereby affect is integrated into an individual's experience of the world, involves changes in visual perception (i.e., affect changes how participants see neutral stimuli)

University of Massachusetts Dartmouth

2011-2013

Undergraduate Research Assistant with Barry Haimson, PhD, Dept. of Psychology

- Examine the P3 response to an embedded figures task to investigate stimulus overselectivity in an autistic population

OTHER RELATED EMPLOYMENT

St. Jude Medical

2016-2017

Clinical Data Coordinator, Burlington, MA

- Collect, clean and report data to medical device manufacturer regarding the implantation, removal and malfunctions of implantable cardioverter-defibrillators (ICD), pacemakers, electrophysiology catheters, and vascular closure products

PROFESSIONAL AFFILIATIONS

- ALBA Network 2021-
- American Psychological Association 2018-
- Association for Psychological Science 2018-
- Society for Psychophysiological Research 2018-
- Golden Key National Honor Society 2014-
- Psi Chi: The International Honor Society for Psychology 2013-

COMMITTEE INVOLVEMENT

Society for Psychophysiological Research

- Committee to Promote Student Interests, *Student Newsletter Chair, Member* 2021-

Society for Biological Psychiatry

- SOBP Trainee Initiative, *Member* 2021-

ELECTED LEADERSHIP POSITIONS

University of Massachusetts Dartmouth

- Golden Key International Honor Society, *Outreach Director* 2014-2015
- Psi Chi the International Honor Society in Psychology, *Chapter President* 2014-2015
- Psychology Club, *Chapter President* 2014-2015
- Relay For Life, *President* 2013-2014
- Psi Chi the International Honor Society in Psychology, *Chapter Treasurer* 2013-2014
- Psychology Club, *Chapter Treasurer* 2013-2014
- Relay For Life, *Vice President* 2012-2013

CERTIFICATIONS & TRAINING

Collaborative Institutional Training Initiative (CITI Program)

- Social and Behavioral Research Investigators and Key Personnel 2021-2026
- Social and Behavioral Responsible Conduct of Research 2021-2026
- Human Research - CITI Good Clinical Practice Course (Refresher Course) 2020-2023
- Human Research - Social and Behavioral (Refresher Course) 2020-2023
- Institutional Official: Animal Care and Use 2020-2023
- Post-Approval Monitoring (PAM) 2020-2023
- Working with the IACUC 2020-2023

SKILLS

Behavioral Study Methods/Assessments

- Structured Clinical Interview for DSM-5 (SCID-5-RV)
- Columbia-Suicide Severity Rating Scale (C-SSRS)
- Family History Screen (FHS)
- Five Facet Mindfulness Questionnaire (FFMQ)
- General Decision-Making Style (GDMS)
- Mood and Anxiety Symptom Questionnaire (MASQ)
- Positive and Negative Affect Schedule (PANAS)
- Penn State Worry Questionnaire (PSWQ)
- State-Trait Anxiety Inventory (STAI)
- Behavior and Symptom Identification Scale (BASIS-24)
- Behavior and Symptom Identification Scale (BASIS-T)
- Pediatric Symptom Checklist (PSC | Y-PSC)
- Brief Psychiatric Rating Scale for Children (BPRS-C)

Data Analysis and Visualization

- SPSS
- R (*intermediate*)
- AMOS
- E-Prime
- CURRY 7
- Microsoft Office Suite
- REDCap
- Brain Vision Analyzer (*intermediate*)
- MATLAB (*elementary*)

Experimental Methods

Other

- Electroencephalography (EEG): actiChamp
- EEG: BioSemi: ActiveTwo
- EEG: Grass Model 12 Neuro
- Electromyography (EMG)
- Electrodermal activity (GSR)
- Electrocardiography (ECG)
- Startle (Shock, Audio)
- LabArchives
- eRA Commons
- Peoplesoft
- Google Drive
- Dropbox
- EPIC