

# Brady D. Nelson

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## POSITIONS

**2013-2015** Post-Doctoral Research Fellow, Department of Psychology, Stony Brook University  
**2015-2018** Research Scientist, Department of Psychology, Stony Brook University  
**2018-Present** Assistant Professor, Department of Psychology, Stony Brook University

## EDUCATION

**2001-2005** B.A., Psychology, University of Wisconsin-Madison  
**2006-2008** M.A., Clinical Psychology, University of Illinois-Chicago  
**2008-2012** Ph.D., Clinical Psychology, University of Illinois-Chicago  
**2012-2013** Clinical Internship, Department of Psychiatry, University of Illinois-Chicago

## GRANTS FUNDED

**2011-2012** **University of Illinois-Chicago Chancellor's Graduate Research Fellowship**  
Do Neurobehavioral Biomarkers for Depression Predict Family History of Psychopathology?  
PI; Total costs: \$8,000  
**2015-2017** **Klingenstein Third Generation Fellowship Award in Depression**  
A Prospective Examination of Neural Emotional Reactivity and Risk for Depression  
PI; Total costs: \$60,000  
**2015-2018** **National Institute of Mental Health 1K01MH107808-01**  
Anxiety Risk and Adolescence: Sensitivity to Unpredictable Threat and Uncertainty  
PI; Total costs: \$531,385  
**2018-2022** **National Institute of Mental Health 2R01MH097767-06A1**  
Trajectories of Reward Sensitivity and Depression across Adolescence  
PI; Total costs: \$3,961,499

## AWARDS AND DISTINCTIONS

**2009** **Preliminary Examination Passed with Commendation**  
University of Illinois-Chicago, Department of Psychology  
**2011** **Excellence in Clinical Psychology Award**  
University of Illinois-Chicago, Department of Psychology  
**2011** **Smadar Levin Award for Most Outstanding Graduate Student Poster**  
25<sup>th</sup> Annual Meeting of the Society for Research in Psychopathology, Boston, MA  
**2013** **Event-Related Potential Bootcamp Scholarship**  
University of California-Davis, Center for Mind & Body

- 2015 Sponsored by the National Institutes of Health  
**Travel Award for the Anxiety and Depression Association of America Conference**  
 35<sup>th</sup> Annual Meeting of the Anxiety and Depression Association of America, Miami, FL
- 2015 **Rising Star Award**  
 Association for Psychological Science
- 2015-2018 **Extramural Loan Repayment Program for Clinical Research**  
 National Institutes of Health
- 2017 **Selected for the Faces of the Future Symposium**  
 30<sup>th</sup> Annual Meeting of the Society for Research in Psychopathology, Denver, CO

#### PEER-REVIEWED PUBLICATIONS

1. Shankman, S. A., **Nelson, B. D.**, Harrow, M., & Faull, R. (2010). Does physical anhedonia play a role in depression? A 20-year longitudinal study. *Journal of Affective Disorders, 120*, 170-176.
2. **Nelson, B. D.** & Shankman, S. A. (2011). Does intolerance of uncertainty predict anticipatory startle responses to uncertain threat? *International Journal of Psychophysiology, 81*, 107-115.
3. Shankman, S. A., Klein, D. N., Torpey, D. C., Olino, T. M., Dyson, M. W., Kim, J., Durbin, C. E., **Nelson, B. D.**, & Tenke, C. E. (2011). Do positive and negative temperament traits interact in predicting risk for depression? A resting EEG study of 329 preschoolers. *Development and Psychopathology, 23*, 551-562.
4. Shankman, S. A., Robison-Andrew, E. J., **Nelson, B. D.**, Altman, S. E., & Campbell, M. L. (2011). Effects of predictability of shock timing and intensity on anxious responses. *International Journal of Psychophysiology, 80*, 112-118.
5. **Nelson, B. D.**, Shankman, S. A., Olino, T. M., & Klein, D. N. (2011). Defining reactivity: How several methodological decisions can affect conclusions about emotional reactivity in psychopathology. *Cognition & Emotion, 25*, 1439-1459.
6. **Nelson, B. D.**, Sarapas, C., Robison-Andrew, E. J., Altman, S. E., Campbell, M. C., & Shankman, S. A. (2012). Frontal brain asymmetry in depression with comorbid anxiety: A neuropsychological investigation. *Journal of Abnormal Psychology, 121*, 579-591.
7. Lee, H., Heller, A. S., van Reekum, C., **Nelson, B. D.**, & Davidson, R. J. (2012). Amygdala-prefrontal coupling underlies individual differences in emotion regulation. *NeuroImage, 62*, 1575-1581.
8. Gorka, S. M., **Nelson, B. D.**, Sarapas, C., Campbell, M. L., Lewis, G. F., Bishop, J. R., Porges, S. W., & Shankman, S. A. (2013). Relation between respiratory sinus arrhythmia and startle response during predictable and unpredictable threat. *Journal of Psychophysiology, 27*, 95-104.
9. Gorka, S. M., McGowan, S. K., Campbell, M. L., **Nelson, B. D.**, Sarapas, C., Bishop, J. R., & Shankman, S. A. (2013). Association between respiratory sinus arrhythmia and reductions in startle responding in three independent samples. *Biological Psychology, 93*, 334-341.
10. Shankman, S. A., **Nelson, B. D.**, Sarapas, C., Robison-Andrews, E. J., Campbell, M. L., Altman, S. E., ... Gorka, S. M. (2013). A psychophysiological investigation of threat and reward sensitivity in individuals with panic disorder and/or major depressive disorder. *Journal of Abnormal Psychology, 122*, 322-338.

11. Gorka, S. M., **Nelson, B. D.**, & Shankman, S. A. (2013). Startle response to unpredictable threat in comorbid panic disorder and alcohol dependence. *Drug and Alcohol Dependence*, *132*, 216-222.
12. **Nelson, B. D.**, McGowan, S. K., Sarapas, C., Robison-Andrew, E. J., Altman, S. E., Campbell, M. L., ... Shankman, S. A. (2013). Biomarkers of threat and reward sensitivity demonstrate unique associations with risk for psychopathology. *Journal of Abnormal Psychology*, *122*, 662-671.
13. Altman, S. E., Campbell, M. L., **Nelson, B. D.**, Faust, J. P., & Shankman, S. A. (2013). The relation between symptoms of bulimia nervosa and obsessive-compulsive disorder: A startle investigation. *Journal of Abnormal Psychology*, *122*, 1132-1141.
14. Campbell, M. L., Gorka, S. M., McGowan, S. K., **Nelson, B. D.**, Sarapas, C., Katz, A. C., ... Shankman, S. A. (2014). Does anxiety sensitivity correlate with reductions in startle habituation? An examination in two independent samples. *Cognition & Emotion*, *28*, 46-58.
15. **Nelson, B. D.**, Shankman, S. A., & Proudfit, G. H. (2014). Intolerance of uncertainty mediates reduced reward anticipation in major depressive disorder. *Journal of Affective Disorders*, *158*, 108-113.
16. Sarapas, C., Katz, A. C., **Nelson, B. D.**, Campbell, M. L., Bishop, J. R., Robison-Andrew, E. J., ... Shankman, S. A. (2014). Are individual differences in appetitive and defensive motivation related? A psychophysiological examination in two samples. *Cognition & Emotion*, *28*, 636-655.
17. Shankman, S. A., Gorka, S. M., **Nelson, B. D.**, Fitzgerald, D. A., Phan, K. L., & O'Daly, O.G. (2014). Anterior insula responds to temporally unpredictable aversiveness: an fMRI study. *NeuroReport*, *25*, 596-600.
18. Gorka, S. M., Huggins, A. A., Fitzgerald, D. A., **Nelson, B. D.**, Phan, K. L., & Shankman, S. A. (2014). Neural response to reward anticipation in those with depression with and without panic disorder. *Journal of Affective Disorders*, *164*, 50-56.
19. **Nelson, B. D.**, Bishop, J. R., Sarapas, C., Kittles, R. A., & Shankman, S. A. (2014). Asians demonstrate reduced sensitivity to unpredictable threat: A preliminary startle investigation using genetic ancestry in a multiethnic population. *Emotion*, *14*, 615-623.
20. Gorka, S. M., Lieberman, L., **Nelson, B. D.**, Sarapas, C., & Shankman, S. A. (2014). Aversive responding to safety signals in panic disorder: The moderating role of intolerance of uncertainty. *Journal of Anxiety Disorders*, *28*, 731-736.
21. Gorka, S. M., **Nelson, B. D.**, Phan, K. L., & Shankman, S. A. (2014). Insula response to unpredictable and predictable threat in individuals with panic disorder and comorbid depression. *Biology of Mood and Anxiety Disorders*, *4*, 1-6.
22. Jackson, F., **Nelson, B. D.**, & Proudfit, G. H. (2015). In an uncertain world, errors are more aversive: Evidence from the ERN. *Emotion*, *15*, 12-16.
23. Speed, B. C., **Nelson, B. D.**, Perlman, G., Klein, D. N., Kotov, R., & Hajcak, G. (2015). Personality and emotional processing: A relationship between extraversion and the late positive potential in adolescence. *Psychophysiology*, *52*, 1039-1047.
24. **Nelson, B. D.**, Fitzgerald, D. A., Klumpp, H., Shankman, S. A., & Phan, K. L. (2015). Prefrontal engagement by cognitive reappraisal of negative faces. *Behavioural Brain Research*, *279*, 218-225.
25. **Nelson, B. D.**, Hajcak, G., & Shankman, S. A. (2015). Event-related potentials to acoustic startle probes during the anticipation of predictable and unpredictable threat. *Psychophysiology*, *52*, 887-894.

26. **Nelson, B. D.**, Hodges, A., Hajcak, G., & Shankman, S. A. (2015). Anxiety sensitivity and the anticipation of predictable and unpredictable threat: Evidence from the startle response and event-related potentials. *Journal of Anxiety Disorders*, *33*, 62-71.
27. **Nelson, B. D.**, Perlman, G., Hajcak, G., Klein, D. N., & Kotov, R. (2015). Familial risk for distress and fear disorders and emotional reactivity in adolescence: An event-related potential investigation. *Psychological Medicine*, *45*, 2545-2556.
28. **Nelson, B. D.**, Weinberg, A., Pawluck, J., Gawlowska, M., & Proudfit, G. H. (2015). An event-related potential investigation of fear generalization and intolerance of uncertainty. *Behavior Therapy*, *46*, 661-670.
29. **Nelson, B. D.**, Jackson, F., Amir, N., & Hajcak, G. (2015). Single-session attention bias modification and error-related brain activity. *Cognitive, Affective, & Behavioral Neuroscience*, *15*, 776-786.
30. **Nelson, B. D.**, Bjorkquist, O. A., Olsen, E. K., & Herbener, E. S. (2015). Schizophrenia symptom and functional correlates of anterior cingulate cortex activation to emotional stimuli: An fMRI investigation. *Psychiatry Research: Neuroimaging*, *234*, 285-291.
31. Jackson, F., **Nelson, B. D.**, & Hajcak, G. (2016). The uncertainty of errors: Intolerance of uncertainty is associated with error-related brain activity. *Biological Psychology*, *113*, 52-58.
32. Chin, B., **Nelson, B. D.**, Jackson, F., & Hajcak, G. (2016). Intolerance of uncertainty and startle potentiation in relation to different threat reinforcement rates. *International Journal of Psychophysiology*, *99*, 79-84.
33. **Nelson, B. D.**, & Shankman, S. A. (2016). Visuospatial and mathematical dysfunction in major depressive disorder and/or panic disorder: A study of parietal functioning. *Cognition & Emotion*, *30*, 417-429.
34. **Nelson, B. D.**, Kessel, E. M., Jackson, F., & Hajcak, G. (2016). The impact of an unpredictable context and intolerance of uncertainty on the electrocortical response to monetary gains and losses. *Cognitive, Affective, & Behavioral Neuroscience*, *16*, 153-163.
35. Speed, B. C., **Nelson, B. D.**, Auerbach, R. P., Klein, D. N., & Hajcak, G. (2016). Depression risk and electrocortical reactivity during self-referential emotional processing in 8 to 14 year-old girls. *Journal of Abnormal Psychology*, *125*, 607-619.
36. Bjorkquist, O. A., Olsen, E. K., **Nelson, B. D.**, & Herbener, E. S. (2016). Altered amygdala-prefrontal connectivity during emotion perception in schizophrenia. *Schizophrenia Research*, *175*, 35-41.
37. **Nelson, B. D.**, Liu, H., Sarapas, C., & Shankman, S. A. (2016). Intolerance of uncertainty mediates the relationship between panic and the startle reflex in anticipation of unpredictable threat. *Journal of Experimental Psychopathology*, *7*, 172-189.
38. Gorka, S. M., **Nelson, B. D.**, Phan, K. L., & Shankman, S. A. (2016). Intolerance of uncertainty and insula activation during the anticipation of reward. *Cognitive, Affective, & Behavioral Neuroscience*, *16*, 929-939.
39. **Nelson, B. D.**, Perlman, G., Klein, D. N., Kotov, R., & Hajcak, G. (2016). Blunted neural response to rewards as a prospective predictor of the development of depression in adolescent girls. *American Journal of Psychiatry*, *173*, 1223-1230.
40. **Nelson, B. D.**, & Hajcak, G. (2017). Anxiety and depression symptom dimensions demonstrate unique associations with the startle reflex in anticipation of unpredictable threat in 8 to 14 year-old girls. *Journal of Abnormal Child Psychology*, *45*, 397-410.
41. Levinson, A. R., Speed, B., **Nelson, B. D.**, Bress, J. N., & Hajcak, G. (2017). Authoritarian parenting predicts reduced electrocortical response to adolescent offspring rewards. *Social Cognitive and Affective Neuroscience*, *12*, 363-371.

42. Luking, K. R., **Nelson, B. D.**, Infantolino, Z. P., Sauder, C. L., & Hajcak, G. (2017). Internal consistency of fMRI and EEG measures of reward in late childhood and early adolescence. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, *2*, 289-297.
43. Jackson, F., **Nelson, B. D.**, Meyer, A., & Hajcak, G. (2017). Pubertal development and anxiety risk independently relate to startle habituation during fear conditioning in 8 to 14 year-old females. *Developmental Psychobiology*, *59*, 436-448.
44. Faust, K., **Nelson, B. D.**, Sarapas, C., & Pliskin, N. H. (2017). Depression and performance on the Repeatable Battery for the Assessment of Neuropsychological Status. *Applied Neuropsychology: Adult*, *24*, 350-356.
45. **Nelson, B. D.**, & Hajcak, G. (2017). Defensive motivation and attention in anticipation of different types of predictable and unpredictable aversive stimuli: A startle and event-related potential investigation. *Psychophysiology*, *54*, 1180-1194.
46. Parisi, E., Hajcak, G., Aneziris, E., & **Nelson, B. D.** (2017). Effects of anticipated emotional category and temporal predictability on the startle reflex. *International Journal of Psychophysiology*, *119*, 67-72.
47. **Nelson, B. D.**, Jackson, F., Amir, N., & Hajcak, G. (2017). Attention bias modification reduces neural correlates of response monitoring. *Biological Psychology*, *129*, 103-110.
48. Speed, B. C., Jackson, F., **Nelson, B. D.**, Infantolino, Z. P., & Hajcak, G. (2017). Unpredictability increases the error-related negativity in children and adolescents. *Brain and Cognition*, *119*, 25-31.
49. **Nelson, B. D.**, Kessel, E. M., Klein, D. K., & Shankman, S. A. (2018). Depression symptom dimensions and asymmetrical cortical activity while anticipating reward. *Psychophysiology*, *55*, e12892.
50. **Nelson, B. D.**, Infantolino, Z. P., Klein, D. N., Perlman, G., Kotov, R., & Hajcak, G. (2018). Time-frequency reward-related delta prospectively predicts adolescent-onset depression. *Biological Psychiatry: Cognitive Neuroscience & Neuroimaging*, *3*, 41-49.
51. Stevens, E. S., Weinberg, A., **Nelson, B. D.**, Meissel, E. E. E., & Shankman, S. A. (2018). The effect of panic disorder versus anxiety sensitivity on event-related potentials during the anticipation of threat. *Journal of Anxiety Disorders*, *54*, 1-10.
52. Distefano, A., Jackson, F., Levinson, A., R., Infantolino, Z. P., Jarcho, J. M., & **Nelson, B. D.** (2018). A comparison of the electrocortical response to monetary and social reward. *Social Cognitive and Affective Neuroscience*, *13*, 247-255.
53. Kessel, E. M., **Nelson, B. D.**, Kujawa, A. J., Hajcak, G., Kotov, R., Bromet, E., Carlson, G. A., & Klein, D. N. (2018). Hurricane Sandy exposure alters the development of neural reactivity to negative stimuli in children. *Child Development*, *89*, 339-348.
54. Speed, B. C., **Nelson, B. D.**, Levinson, A. R., Perlman, G., Klein, D. N., Kotov, R., & Hajcak, G. (2018). Extraversion, neuroticism, and the electrocortical response to monetary rewards in adolescent girls. *Biological Psychology*, *136*, 111-118.
55. Meyer, A., **Nelson, B. D.**, Perlman, G., Klein, D. N., & Kotov, R. (in press). A neural biomarker, the error-related negativity, predicts the first onset of generalized anxiety disorder in a large sample of adolescent females. *Journal of Child Psychology and Psychiatry*.
56. Mulligan, E., **Nelson, B. D.**, Infantolino, Z. P., Luking, K. R., Sharma, R., & Hajcak, G. (in press). Effects of menstrual cycle phase on electrocortical response to reward and depressive symptoms in women. *Psychophysiology*.
57. Luking, K. R., **Nelson, B. D.**, Infantolino, Z. P., Sauder, C. L., & Hajcak, G. (in press). Ventral striatal function interacts with positive and negative life events to predict concurrent youth depressive symptoms. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*.

BOOK CHAPTERS

58. Shankman, S. A. & **Nelson, B. D.** (2015). Selection of subjects in psychopathology research. In R. Cautin & S. Lilienfeld (Eds.), *Encyclopedia of Clinical Psychology*. New Jersey: Wiley-Blackwell.

ORAL PRESENTATIONS

1. Shankman, S. A., **Nelson, B. D.**, Sarapas, C., Robison-Andrews, E. J., Campbell, M. L., Altman, S. E., McGowan, S. K. Katz, A. C., & Gorka, S. M. (September, 2012). *A psychophysiological investigation of reward and threat sensitivity in individuals with depression and/or panic disorder*. Oral paper presented at 26<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Ann Arbor, MI.
2. Shankman, S. A., **Nelson, B. D.**, Sarapas, C., Campbell, M. L., Gorka, S. M., Katz, A. C., & DeLizza, A. A. (September, 2013) *The discriminant validity of reward and threat anticipation in internalizing psychopathologies*. Oral paper presented during Early Career Award symposium at 27<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Oakland, CA.
3. **Nelson, B. D.**, Robison-Andrew, E. J., Altman, S. E., Campbell, M. L., Sarapas, C., Katz, A. C., Gorka, S. M., McGowan, S. K., & Shankman, S. A. (October, 2013). *Reduced reward anticipation and risk for depression*. Oral paper presented at the 53<sup>rd</sup> annual meeting of the Society for Psychophysiological Research, Florence, Italy.
4. **Nelson, B. D.**, Bishop, J. R., Sarapas, C., Kittles, R. A., & Shankman, S. A. (October, 2013). *Ethnic/racial differences in sensitivity to uncertain threat*. Oral paper presented at the 53<sup>rd</sup> annual meeting of the Society for Psychophysiological Research, Florence, Italy.
5. **Nelson, B. D.**, Perlman, G., Proudfit, G. H., Klein, D. N., & Kotov, R. (September-October, 2014). *The late positive potential and risk for distress and fear disorders in adolescence*. Oral paper presented at the 54<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Atlanta, GA, and the 28<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Evanston, IL.
6. Perlman, G., **Nelson, B. D.**, Proudfit, G. H., Klein, D. N., & Kotov, R. (September, 2014). *Neural, personality, and clinical correlates with non-suicidal self-injury in adolescent girls*. Oral paper presented at the 28<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Evanston, IL.
7. **Nelson, B. D.**, & Hajcak, G. (October, 2015). *Internalizing symptomatology and sensitivity to unpredictable threat in adolescent females*. Oral paper presented at the 55<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Seattle, WA, and the 2<sup>nd</sup> annual Developmental Affective Neuroscience Symposium, Pittsburgh, PA.
8. **Nelson, B. D.**, & Hajcak, G. (October, 2015). *Anxiety and depression symptoms demonstrate unique relationships with the startle reflex in anticipation of unpredictable threat in adolescent females*. Oral paper presented at the 29<sup>th</sup> annual meeting of the Society for Research in Psychopathology, New Orleans, LA.
9. **Nelson, B. D.**, & Hajcak, H. (September, 2016). *Psychometric and task properties of startle and event-related potential measures of sensitivity to predictable and unpredictable threat*. Oral paper presented at the 56<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Minneapolis, MN.
10. Luking, K., Levinson, A., **Nelson, B. D.**, Infantolino, Z., Sauder, C., & Hajcak, G. (October, 2016). *Robust neural response to rewards buffers the effect of stress on depressive symptoms during late childhood and early adolescence*. Oral paper presented at the 30<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Baltimore, MD.

11. **Nelson, B. D.**, Perlman, G., Klein, D. N., Kotov, R., & Hajcak, G. (October, 2016). *Blunted neural response to rewards prospectively predicts first-onset depressive disorder and greater depressive symptoms in adolescent girls*. Oral paper presented at the 63<sup>rd</sup> annual meeting of the American Academy of Child & Adolescent Psychiatry, New York, NY.
12. **Nelson, B. D.**, Amir, N., & Hajcak, G. (October, 2016). *The impact of attention bias modification on error-related brain activity*. Oral paper presented at the 50<sup>th</sup> annual meeting of the Association for Behavioral and Cognitive Therapies, New York, NY.
13. **Nelson, B. D.**, Meyer, Z., Perlman, G., Klein, D. N., Kotov, R., & Hajcak, G. (September, 2017). *Neurobiological predictors of anxiety disorders and depression in adolescent girls*. Oral paper presented at the 31<sup>st</sup> annual meeting of the Society for Research in Psychopathology, Denver, CO.
14. **Nelson, B. D.**, Infantolino, Z. P., Perlman, G., Klein, D. N., Kotov, R., & Hajcak, G. (October, 2017). *Electrocortical responses to rewards prospectively predict the development of depression in adolescent girls*. Oral paper presented at the 57<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Vienna, Austria.

#### POSTER PRESENTATIONS

1. **Nelson, B. D.**, Shankman, S. A., Olino, T. K., Klein, D. N., Congdon, E., Canli, T., McFarland, B. R., & Dougherty, L. M. (September, 2008). *Emotional dysfunction in MDD using self-report and facial expression measurements with personality, genotype, and characteristics of depression as moderators*. Poster presented at the 22<sup>nd</sup> Annual Society for Research in Psychopathology, Pittsburgh, PA.
2. Oplustil, A. J., **Nelson, B. D.**, & Shankman, S. A. (April, 2009). *Differences between aversive shocks and unpleasant noises in inducing fear and anxiety*. Poster presented at the 2<sup>nd</sup> Annual University of Illinois – Chicago Student Research Forum, Chicago, IL.
3. **Nelson, B. D.** & Shankman, S. A. (July, 2009). *Do individual differences in trait emotional/ motivational tendencies predict emotional responses to predictable and unpredictable aversive events?* Poster presented at the Association for Research in Personality First Stand-Alone Conference, Evanston, IL.
4. **Nelson, B. D.**, Shankman, S. A., Harrow, M., & Faull, R. (September, 2009). *Does physical anhedonia play a role in depression? A 20-year longitudinal study*. Poster presented at the 23<sup>rd</sup> Annual Society for Research in Psychopathology, Minneapolis, MN.
5. **Nelson, B. D.** & Shankman, S. A. (October, 2009). *The effects of completely predictable and unpredictable aversive stimuli on startle responses*. Poster presented at the 49<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany.
6. Robison, E. J., **Nelson, B. D.**, Altman, S. E., & Shankman, S. A. (October, 2009). *Effects of predictability of shock timing and intensity on aversive responses*. Poster presented at the 49<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany.
7. Shankman, S.A., Klein, D.N., Torpey, D.C., Olino, T.M., Dyson, M.W., **Nelson, B.D.**, Durbin, C.E., Tenke, C.E., & Bruder, G.E. (March, 2010). *Do positive and negative temperaments interact in predicting biomarkers for anxiety and depression? A resting EEG study of 329 3-year olds*. Poster presented at the 30th Annual Meeting of the Anxiety Disorders Association of America, Baltimore, MD.
8. Ryszko-Grams, N., **Nelson, B. D.**, Sarapas, C., Nelson, M., Andrews, E. J., Altman, S. E., & Shankman, S. A. (April, 2010). *Are depressive symptoms associated with sensitivity to aversiveness?* Poster presented at the 3<sup>rd</sup> Annual University of Illinois – Chicago Student Research Forum, Chicago, IL.

9. Lee, H., Heller, A., Van Reekum, C., **Nelson, B. D.**, & Davidson, R. J. (June, 2010). *Successful down-regulation of negative affect is associated with amygdala-PFC decoupling*. Poster presented at the 16<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
10. Nelson, M. L., Shankman, S. A., **Nelson, B. D.**, Robison-Andrews, E. J., Altman, S. E., & Sarapas, C. (October, 2010). *Personality correlates of startle habituation: An examination in three separate samples*. Poster presented at the 24<sup>th</sup> Annual Society for Research in Psychopathology, Seattle, WA.
11. **Nelson, B. D.**, Shankman, S. A., Sarapas, C., Nelson, M., Altman, S. E., & Robison-Andrew, E. J. (October, 2010). *Are distinctive symptoms of anxiety and depression related to emotional responding while anticipating predictable vs. unpredictable threat?* Poster presented at the 24<sup>th</sup> Annual Society for Research in Psychopathology, Seattle, WA.
12. **Nelson, B. D.**, Herbener, E. S., & Bjorkquist, O. A. (October, 2010). *Is there an association between trait anhedonia and neural activity in response to emotional pictures in schizophrenia?* An fMRI investigation. Poster presented at the 4<sup>th</sup> Annual Meeting of the Social & Affective Neuroscience Society, Chicago, IL.
13. **Nelson, B. D.**, Sarapas, C., & Shankman, S. A. (February, 2011). *The effects of a comorbid anxiety disorder on measures of executive functioning in depression*. Poster presented at the 39<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Boston, MA.
14. Herbener, E., Bjorkquist, O., Olsen, E., Bodapati, A. S., & **Nelson, B. D.** (April, 2011). *Medial temporal and frontal activity during encoding of positive, negative, and neutral images and memory accuracy in schizophrenia and healthy subjects*. Poster presented at the biennial meeting of the International Congress on Schizophrenia Research, Colorado Springs, CO.
15. Faust, J. P., Goldschmidt, A. B., Anderson, K. E., **Nelson, B. D.**, & LeGrange, D. (April, 2011). *Resumption of menses in relation to ideal body weight and other psychosocial factors*. Paper presented at the 2011 International Conference on Eating Disorders, Miami, FL.
16. Gao, Y., Sarapas, C., **Nelson, B. D.**, Campbell, M. L., Altman, S. E., Robison-Andrew, E. J., & Shankman, S. A. (May, 2011). *Aspects of personality as predictors of pain threshold*. Poster presented at the 83<sup>rd</sup> Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
17. Sarapas, C., Bishop, J. R., **Nelson, B. D.**, Campbell, M. L., Robison-Andrew, E. J., Altman, S. E., Katz, A. C., Gorka, S. M., McGowan, S. K., & Shankman, S. A. (September, 2011). *Indirect genetic effects on internalizing symptoms through frontal EEG asymmetry*. Poster session presented at 25<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Boston, MA.
18. Campbell, M. L., **Nelson, B. D.**, McGowan, S. K., Robison-Andrew, E. J., Sarapas, C., Altman, S. E., Gorka, S., Katz, A. C., Shankman, S. A. (September, 2011). *Startle habituation in individuals with depression and/or panic disorder*. Poster session presented at 25<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Boston, MA.
19. Gorka, S. M., **Nelson, B. D.**, Sarapas, C., Campbell, M. L., Robison-Andrew, E. J., Altman, S. E., & Shankman, S. A. (September, 2011). *Resting heart rate variability as a predictor of startle responses to predictable and unpredictable threat*. Poster presented at the 25<sup>th</sup> Annual Society for Research in Psychopathology, Boston, MA.
20. McGowan, S. K., Gorka, S. M., **Nelson, B. D.**, & Shankman, S. A. (September, 2011) *Anxiety and autonomic flexibility in conditions of unpredictable threat*. Poster presented at the 25<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Boston, MA.
21. Katz, A. C., **Nelson, B. D.**, Robison-Andrew, E. J., Altman, S. E., Campbell, M. L., Sarapas, C., Gorka, S. M. & Shankman, S. A. (September, 2011). *The moderating effect of trait positive*

- emotionality on EEG asymmetry recorded during a reward processing task.* Poster presented at the 25<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Boston, MA.
22. **Nelson, B. D.**, Sarapas, C., Campbell, M. L., Robison-Andrew, E. J., Altman, S. E., Katz, A. C., Gorka, S. M., McGowan, S. K., & Shankman, S. A. (September, 2011). *Comparing sensitivity to unpredictable threat versus DSM defined panic disorder on how they predict family history of panic disorder.* Poster presented at the 25<sup>th</sup> Annual Society for Research in Psychopathology, Boston, MA.
  23. **Nelson, B. D.**, Sarapas, C., Campbell, M. L., Katz, A. C., Gorka, S. M., Robison-Andrew, E. J., Altman, S. E., Bishop, J. B., Kittles, R. A., & Shankman, S. A. (May, 2012). *Racial differences in emotional reactivity: Startle investigation using genetic indices of ancestry.* Poster presented at the 2012 Association for Psychological Science Annual Convention, Chicago, IL.
  24. Lannon, E. W., Sarapas, C., **Nelson, B. D.**, Campbell, M. L., & Shankman, S. A. (July, 2012). *Theta oscillation during reward processing in healthy individuals.* Paper presented at the Illinois Summer Research Symposium, Champaign, IL.
  25. Sarapas, C., Bishop, J. R., Patel, S. R., **Nelson, B. D.**, Campbell, M. L., & Shankman, S. A. (September, 2012). *Variation in serotonin transporter gene predicts startle response to cued but not contextual threat.* Poster presented at 52<sup>nd</sup> annual meeting of the Society for Psychophysiological Research, New Orleans, LA.
  26. Katz, A. C., Sarapas, C., **Nelson, B. D.**, Campbell, M. L., Gorka, S. M., Patel, S., Bishop, J. R. & Shankman, S. A. (September, 2012). *The mediating effect of prefrontal asymmetry on the relationship between COMT SNP and trait consummatory positive affect.* Poster presented at 52<sup>nd</sup> annual meeting of the Society for Psychophysiological Research, New Orleans, LA.
  27. Gorka, S. M., **Nelson, B. D.**, Sarapas, C., Campbell, M. L., Katz, A., McGowan, S. K. & Shankman, S. A. (September, 2012). *Sensitivity to unpredictable threat in those with panic disorder and/or alcohol dependence.* Poster presented at 52<sup>nd</sup> annual meeting of the Society for Psychophysiological Research, New Orleans, LA.
  28. **Nelson, B. D.**, Robison-Andrew, E. J., Altman, S. E., Sarapas, C., Campbell, M. L., Katz, A. C., Gorka, S. M., McGowan, S. K., & Shankman, S. A. (September, 2012). *Does heightened sensitivity to predictable vs. unpredictable threat index risk for panic disorder? A startle electromyography investigation.* Poster presented at 52<sup>nd</sup> annual meeting of the Society for Psychophysiological Research, New Orleans, LA.
  29. **Nelson, B. D.**, Robison-Andrew, E. J., Altman, S. E., Campbell, M. L., Sarapas, C., Katz, A. C., Gorka, S. M., McGowan, S. K., & Shankman, S. A. (September, 2012). *Comparing reward sensitivity vs. DSM-defined major depressive disorder on how they predict family history of psychopathology.* Poster presented at the 26<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Ann Arbor, MI.
  30. Sarapas, C., **Nelson, B. D.**, Gorka, S. M., Campbell, M. L., Katz, A. C., DeLizza, A. A., & Shankman, S. A. (September, 2013). *Association of executive function with family history of depression in two independent samples.* Poster presented at the 27<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Oakland, CA.
  31. Gorka, S. M., **Nelson, B. D.**, O'Daly, O. G., Williams, S. C. R., & Shankman, S. A. (September, 2013). *Neural response to predictable and unpredictable threat in those with depression with and without panic disorder.* Poster presented at the 27<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Oakland, CA.
  32. Campbell, M. L., **Nelson, B. D.**, & Shankman, S. A. (September, 2013). *Asymmetry in parietal brain functioning in depression and/or panic disorder: A neuropsychological investigation.* Poster

- presented at the 27<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Oakland, CA.
33. Jackson, F., **Nelson, B. D.**, & Proudfit, G. H. (March, 2014). *In an uncertain world, errors are more aversive: Evidence from the ERN*. Poster presented at the 34<sup>th</sup> annual meeting of the Anxiety and Depression Association of America, Chicago, IL.
  34. Lieberman, L., Gorka, S. M., **Nelson, B. D.**, Sarapas, C., & Shankman, S.A. (March, 2014). *Intolerance of uncertainty moderates the relation between panic disorder and aversive responding during safety conditions*. Poster presented at the 34<sup>th</sup> annual meeting of the Anxiety and Depression Association of American, Chicago, IL.
  35. Liu, H., Katz, A. C., **Nelson, B. D.**, Sarapas, C., Gorka, S. M., Campbell, M. L. & Shankman, S. A. (September, 2014). *The effect of melancholia and atypical depression on EEG asymmetry during reward processing*. Poster presented at the 28<sup>th</sup> annual meeting of the Society for Research in Psychopathology, Evanston, IL.
  36. **Nelson, B. D.**, Perlman, G., Proudfit, G. H., Klein, D. N., & Kotov, R. (October, 2014). *Familial risk for distress and fear disorders and emotional reactivity in adolescence: An event-related potential investigation*. Poster presented at the Neuroscience of Youth Depression conference, Chapel Hill, NC.
  37. **Nelson, B. D.**, Hodges, A., Proudfit, G. H., & Shankman, S. A. (March, November, 2015). *Anxiety sensitivity and unpredictable threat: A startle and event-related potential investigation*. Poster presented at the 35<sup>th</sup> annual meeting of the Anxiety and Depression Association of America, Miami, FL, and the 49<sup>th</sup> annual meeting of the Association for Behavioral and Cognitive Therapies, Chicago, IL.
  38. Tran, C., **Nelson, B. D.**, & Hajcak, G. (May, 2015). *The impact of attention bias modification on the neural processing and recall of self-referential emotional words: Evidence from the late positive potential*. Stony Brook University Undergraduate Research & Creative Activities Research Symposium, Stony Brook, NY
  39. Speed, B. C., **Nelson, B. D.**, Auerbach, R. P., & Hajcak (September, 2015). *Depression risk and electrocortical measures of self-referential emotional processing in adolescent females*. Poster presented at the 55<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Seattle, WA.
  40. Jackson, F., **Nelson, B. D.**, & Hajcak, G. (September, 2015). *Can't break the habit: Startle habituation is moderated by ERN and BIS*. Poster presented at the 55<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Seattle, WA.
  41. Luking, K. R., **Nelson, B. D.**, Infantolino, Z. P., Sauder, C. L., & Hajcak, G. (September, 2016). *Reliability of fMRI and EEG measures of reward response during childhood and early adolescence*. Poster presented at the 56<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Minneapolis, MN.
  42. Burani, K., **Nelson, B. D.**, & Hajcak, G. (September, 2016). *Sex differences in the anticipation of different types of predictable and unpredictable threat*. Poster presented at the 56<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Minneapolis, MN.
  43. Jackson, F., **Nelson, B. D.**, & Hajcak, G. (September, 2016). *The late positive potential to cues that signal unpredictable social feedback is associated with social anxiety symptoms*. Poster presented at the 56<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Minneapolis, MN.
  44. Parisi, E. A., Nelson, **Nelson, B. D.**, & Hajcak, G. (September, 2016). *The impact of predictability on psychophysiological indicators of motivation and attention in anticipation of emotional pictures*. Poster presented at the 56<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Minneapolis, MN.

45. Sauder, C., **Nelson, B. D.**, Hajcak, G., Blader, J., & Olvera, R. (October, 2016). *Overweight, obesity, and pubertal development: Characterizing risk for depression in adolescent girls*. Poster presented at the 63<sup>rd</sup> annual meeting of the American Academy of Child & Adolescent Psychiatry, New York, NY.

### THESES

- Master's Thesis**      **Emotional Reactivity in Major Depressive Disorder: An Examination of the Moderating Effects of Personality and Characteristics of Depression**  
Committee: Stewart Shankman (Chair), Jon Kassel, and Ellen Herbener
- Preliminary Exam**      **Effects of Completely Predictable and Unpredictable Aversive Stimuli on Emotion Responses**  
Committee: Stewart Shankman (Chair), Evelyn Behar, and Ellen Herbener
- Dissertation**      **Do Individual Differences in Reward and Threat Sensitivity Predict Family History of Psychopathology?**  
Committee: Stewart Shankman (Chair), Ellen Herbener, Robin Mermelstein, Mitch Roitman, and Daniel Klein

### RESEARCH EXPERIENCE

- 2002-2005**      **Research Assistant – Center for Eukaryotic Structural Genomics  
University of Wisconsin-Madison, Department of Biochemistry**
- Worked on project investigating protein purification and characterization
  - Assisted in data entry, protein sample maintenance, experiment preparation, and liquid nitrogen drop freezing
- Supervisor: Frank Vojtik, Ph.D.
- 2004-2006**      **Research Assistant – Psychopathy Research Laboratory  
University of Wisconsin-Madison, Department of Psychology**
- Assisted in screening and running participants incarcerated in the Wisconsin Department of Corrections maximum-security prisons
  - Primary lab experimenter in a project examining vigilance processing using EEG
- Supervisor: Joseph Newman, Ph.D.
- 2004-2006**      **Research Assistant – Laboratory for Affective Neuroscience  
University of Wisconsin-Madison, Department of Psychology**
- Assisted in the study design, scheduling, and running of participants in an fMRI investigation of the neural substrates of emotion regulation
  - Primary lab experimenter in study investigating individual differences in startle reflex during voluntarily emotion regulation
- Supervisors: Hyejeen Lee, Ph.D., Richard Davidson, Ph.D.
- 2008-2010**      **Graduate Research Assistant – Herbener Research Lab  
University of Illinois-Chicago, Department of Psychology and Psychiatry**
- Processed fMRI data using AFNI for project examining neural correlates of short and long-term affective memory in patients with schizophrenia
- Supervisor: Ellen Herbener, Ph.D.
- 2006-2012**      **Graduate Research Assistant – Affective Science and Physiology Laboratory**

**University of Illinois-Chicago, Department of Psychology**

- Primary lab experimenter in a project examining anticipation to reward and threat in individuals with depression and/or panic disorder
- Designed and programmed experimental tasks using E-Prime and PsyLab
- Processed EEG (NeuroScan), EMG (NeuroScan), fMRI (AFNI, SPM), and HRV (CardioEdit) data

Supervisor: Stewart Shankman, Ph.D.

**2012-2013 Clinical Psychology Intern – Phan Neuroimaging Laboratory  
University of Illinois-Chicago, Department of Psychiatry**

- Clinical psychology intern volunteer completing research rotation in Dr. Phan's neuroimaging laboratory
- Processed fMRI data using SPM for a project examining neural substrates of voluntary emotion regulation

Supervisors: Luan Phan, M.D., Daniel Fitzgerald, Ph.D.

**2013-2015 Post-Doctoral Research Fellow – Cognitive & Affective Psychophysiology Laboratory**

**Stony Brook University, Department of Psychology**

- Post-doctoral fellow on longitudinal study of neurobiological predictors of depression and anxiety in adolescent females – Impact of Puberty on Affect & Neural Development across Adolescence (iPANDA)
- Conducted diagnostic interviews (K-SADS, SCID), processed ERP data, and wrote manuscripts

Supervisors: Greg Hajcak, Ph.D., Dan Klein, Ph.D., Roman Kotov, Ph.D.

CLINICAL EXPERIENCE**2006-2012 Office of Applied Psychological Services****University of Illinois-Chicago, Department of Psychology**

- Performed psychological services, including intake interviews, psychological assessments, individual psychotherapy, and group psychotherapy

Supervisors: Evelyn Behar, Ph.D., Gloria Balague, Ph.D., Nancy T. Dassoff, Ph.D., Audrey J. Ruderman, Ph.D., & Alicia Matthews, Ph.D.

**2009-2010 Neuropsychology Externship****University of Illinois-Chicago, Department of Psychiatry**

- Performed neuropsychological assessments of outpatients using various tests, such as the WAIS-IV, CVLT-II, BVM-T-R, DRS, RBANS, WCST, etc.

Supervisors: Neil H. Pliskin, Ph.D., ABPP-CN & David L. Nyenhuis, Ph.D., ABPP-CN

**2010-2011 Stress and Anxiety Disorders Clinic Externship****University of Illinois-Chicago, Department of Psychiatry**

- Performed psychological services, including intake interviews, individual psychotherapy, and group psychotherapy, in an outpatient setting

Supervisor: Cheryl Carmin, Ph.D.

**2012-2013 Clinical Psychology Internship****University of Illinois-Chicago, Department of Psychiatry**

- Performed psychological evaluation and intervention services, including rotations in neuropsychology, health psychology, and pediatric mood disorders.

Supervisors: Neil Pliskin, Ph.D., ABPP-CN, Susan Labott, Ph.D., ABPP-CHP, & Amy West, Ph.D.

#### ATTENDED WORKSHOPS AND TRAINING

- 2006 Mindfulness-Based Cognitive Therapy and Prevention of Relapse in Major Depression**
- Presented by Zindel Segal and Mark Lau at the 40<sup>th</sup> Annual Convention of the Association for Behavioral and Cognitive Therapies.
- 2008 Fundamentals of Motivational Interviewing**
- Presented by Walker Tisdale, III & Anthony Galloway (sponsored by the Howard Brown Health Center).
- 2009 Tourette Syndrome Workshop**
- Presented by Douglas Woods (sponsored by the Tourette Syndrome Association).
- Managing Social Anxiety: A Cognitive-Behavioral Therapy Approach**
- Experience administering manualized treatment by Hope, Heimberg, and Turk (2006) for social anxiety.
- 2010 Performing Clinical Services with Hearing Impaired Clients**
- Presented by the University of Illinois-Chicago Disability Center.
- MMPI-2-RF: Basic Overview Webinar**
- Presented by Yossef S. Ben-Porath (sponsored by Pearson Assessments).
- 2013 Event-Related Potential Boot Camp**
- Ten-day workshop held at the University of California-Davis Center for Mind & Body (sponsored by the National Institutes of Health).
- 2016 Time-Frequency Decomposition: Methods and Challenges**
- One day workshop presented by Michael X. Cohen at the 56<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research

#### TEACHING EXPERIENCE

- 2006 Teaching Assistant – Introduction to Psychology**  
University of Illinois-Chicago, Department of Psychology
- Led four weekly discussion sections and graded papers (3 credit course)
- 2007 Teaching Assistant – Statistics for Psychology**  
University of Illinois-Chicago, Department of Psychology
- Led two weekly discussion sections and graded homework and exams (3 credit course)
- 2007, 2012 Teaching Assistant – Psychological Testing**  
University of Illinois-Chicago, Department of Psychology
- Attended lectures and graded papers (3 credit course)
- 2008-2009 Teaching Assistant – Theories of Personality**  
University of Illinois-Chicago, Department of Psychology
- Attended lecture and graded papers (3 credit course)
- 2010-2012 Teaching Assistant – Practicum in Psychological Assessment**  
University of Illinois-Chicago, Department of Psychology
- Supervised 1<sup>st</sup>-3<sup>rd</sup> year clinical psychology graduate students in administering various psychological/neuropsychological assessments. Primary duties involved

- training students in administering psychological assessments, such as the WAIS-IV, D-KEFS, CVLT-II, etc. (3 credit course)
- 2012 Teaching Assistant – Abnormal Psychology**  
**University of Illinois-Chicago, Department of Psychology**
- Attended lectures and graded papers (3 credit course)

#### SERVICE EXPERIENCE

- 2010-2012 Clinical Psychology Division Liaison**  
**University of Illinois–Chicago, Department of Psychology**
- Worked with faculty and students on various departmental issues
  - Updated and maintained division handbook
  - Organized department sponsored speakers and events
  - Organized visiting day arrangements and activities
- 2014 Student Poster Judge**  
Society for Psychophysiological Research

#### MEMBERSHIPS & AFFILIATIONS

American Academy of Child and Adolescent Psychiatry  
American Psychological Association  
Association for Behavioral and Cognitive Therapies  
New York Academy of Sciences  
Society for Psychophysiological Research  
Society for Research in Psychopathology

#### REVIEWER

Archives of Clinical Neuropsychology  
Behaviour Research and Therapy  
Biological Psychology  
Body Image: An International Journal of Research  
Brain Research  
Child Development  
Child Neuropsychology  
Child Psychiatry & Human Development  
Clinical Psychological Science  
Clinical Psychology Review  
Cognition & Emotion  
Cognitive, Affective, & Behavioral Neuroscience  
Emotion  
Emotion and Motivation  
Frontiers in Psychology  
International Journal of Psychiatry in Clinical Practice  
International Journal of Psychophysiology  
Journal of Abnormal Child Psychology  
Journal of Abnormal Psychology  
Journal of Adolescence  
Journal of Affective Disorders  
Journal of Anxiety Disorders

Journal of Psychiatric Research  
Neuropsychologia  
Neuroscience Letters  
PLOS One  
Psychological Bulletin  
Psychological Medicine  
Psychophysiology  
Social Cognitive and Affective Neuroscience