

Nicholas J. Santopetro

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EDUCATION

Florida State University August 2020 -Present
Doctor of Philosophy in Clinical Psychology
Advisor: Greg Hajcak, Ph.D.

University at Buffalo, State University of New York May 2017
Bachelors of Science in Psychology, Minor in Management

RESEARCH EXPERIENCE

Department of Psychology, Florida State University, Tallahassee, FL August 2020-Present
Risk for Anxiety and Depression (RAD) Lab
Position: Graduate Research Assistant
Faculty Supervisor: Greg Hajcak, Ph.D.

Department of Biomedical Sciences/Psychology, Florida State University, Tallahassee, FL December 2017-August 2020
Risk for Anxiety and Depression (RAD) Lab
Position: Lab Manager (full-time)
Faculty Supervisor: Greg Hajcak, Ph.D.

Studies and responsibilities:

- Neural Activity and Depression Study:
 - Recruited, screened, and scheduled depressed and healthy individuals from the Tallahassee area to participate in a paid longitudinal study.
 - Ran visits that included EEG tasks, eye-tracking, fMRI, self-report, and clinical interviews.
 - Assess history of mental health issues in first-degree relatives using the Family History Survey interview.
 - Analyzed and scored EEG/ERP, eye tracking, self-report, and clinical data.
 - Assisted in preparing and writing publications.
- Attention Training to Modify ERN and Risk for Anxiety in Adolescence (TRAIN) Study:
 - Recruited and ran lab visits for a large, longitudinal study in 11-14 year olds funded by the NIMH.
 - Clinical interviewing using the Kiddie Schedule for Affective Disorders and Schizophrenia (K-SADS).
 - Assessed history of mental health issues in first-degree relatives using the Family History Survey interview.
 - Administered suicide risk assessments to participants who endorsed suicidal ideation or thoughts of death.
 - Assisted in analyzing and scoring EEG/ERP, self-report, and clinical data.

Affective Sciences, Department of Psychology, University at Buffalo, SUNY, Buffalo, NY September 2016- May 2017
Attention and Heart Rate Variability Study

Position: Undergraduate Research Assistant (part-time)

Faculty Supervisor: Kristin Gainey, Ph.D.

Responsibilities:

- Conducted eye-tracking task.
- Obtained baseline heart rate from participants.
- Managed and utilized eye tracking equipment, eye-tracking programs, and heart rate equipment.

Research Institute on Addictions, University at Buffalo, SUNY, Buffalo, NY January 2016-May 2016
Aggression and Impulsivity in Athletes and Non-athletes Study

Position: Undergraduate Research Assistant (part-time)

Faculty Supervisor: Rebecca J. Houston, Ph.D.

Responsibilities:

- Collected EKG, respiration, temperature, and skin conductance data for a large study
- Collected, analyzed and organized self-report, quantitative, and physiological data.

PUBLICATIONS

- Dell' Acqua, C., Hajcak, G., Amir, N., **Santopetro, N. J.**, Brush, C.J., & Meyer, A. (2023). Error-related brain activity in pediatric major depressive disorder: an ERP and time-frequency investigation. *International Journal of Psychophysiology*.
- Thompson, B., **Santopetro, N.J.**, Brush, C.J., Foti, D., & Hajcak, G. (2023). Neural deficits in anticipatory and consummatory reward processing are uniquely associated with current depression during adolescence. *Psychophysiology*.
- Dell' Acqua, C., Hajcak, G., Amir, N., **Santopetro, N. J.**, Brush, C.J., & Meyer, A. (2022). Error-related brain activity: A time-domain and time-frequency investigation in pediatric obsessive-compulsive disorder. *Psychophysiology*.
- Mulligan, E. M., Simon, J., Lowe, M., **Santopetro, N.**, Flynn, H., & Hajcak, G. (2022). The P300 and Late Positive Potential in pregnancy prospectively predict increases in depressive and anxious symptoms in the early postpartum period. *Journal of Affective Disorder*.
- Gallyer, A. J., Burani, K., Mulligan, E. M., **Santopetro, N.**, Dougherty, S. P., Jeon, M. E., Nelson, B. D., Joiner, T. E., & Hajcak, G. (2022). Examining Blunted Initial Response to Reward and Recent Suicidal Ideation in Children and Adolescents Using Event-Related Potentials: Failure to Conceptually Replicate Across Two Independent Samples. *Clinical Psychological Science*.
- Santopetro, N. J.**, Mulligan, E. M., Brush, C. J., & Hajcak, G. (2022). Reduced P300 Amplitude is Consistently Associated with Trait Anhedonia across Repeated Assessments. *Psychophysiology*.
- Klawohn, J., Joyner, K., **Santopetro, N.**, Brush, C. J., & Hajcak, G. (2022). Depression reduces neural correlates of reward salience with increasing effort over the course of the progressive ratio task. *Journal of Affective Disorders*.
- Dell' Acqua, C., Brush, C.J., Burani, K., **Santopetro, N. J.**, Klawohn, J., Messerotti, S., & Hajcak, G. (2022). Reduced electrocortical responses to pleasant pictures in depression: A brief report on time-domain and time-frequency delta analyses. *Biological Psychology* 170, 108302.
- Santopetro, N. J.**, Kallen, A. M., Threadgill, A. H., Amir, N., & Hajcak, G. (2021). Blunted Flanker P300 Demonstrates Specificity to Depressive Symptoms in Females during Adolescence. *Research on Child and Adolescent Psychopathology*.
- Santopetro N.J.**, Brush C.J., Burani K., Bruchnak A., & Hajcak G. (2021) Doors P300 Moderates the Relationship Between Reward Positivity and Current Depression Status in Adults. *Journal of Affective Disorders*.
- Brush, C.J., Burani, K., Schmidt, K., **Santopetro, N. J.**, & Hajcak, G. (2021). The impact of a single session of aerobic exercise on positive emotional reactivity in depression: Insight into individual differences from the late positive potential. *Behavior Research and Therapy*.
- Santopetro N.J.**, Brush C.J., Bruchnak A., Klawohn J., & Hajcak G. (2021). A reduced P300 prospectively predicts increased depressive severity in adults with clinical depression. *Psychophysiology*, e13767.
- Santopetro, N. J.**, Kallen, A. M., Threadgill, A. H., & Hajcak, G. (2020). Reduced flanker P300 prospectively predicts increases in depression in female adolescents. *Biological Psychology*, 107967.
- Klawohn, J., **Santopetro, N. J.**, Meyer, A., & Hajcak, G. (2020). Reduced P300 in depression: Evidence from a flanker task and impact on ERN, CRN, and Pe. *Psychophysiology*, e13520.
- Klawohn, J., Burani, K., Bruchnak, A., **Santopetro, N.**, & Hajcak, G. (2020). Reduced neural response to reward and pleasant pictures independently relate to depression. *Psychological Medicine*, 1-9.

MANUSCRIPTS UNDER REVIEW

Santopetro, N. J., Amir, N., Nelson, B.D., Klein, D. N., & Hajcak, G. (under review). Association between Attenuated Doors P300 amplitude and Elevated Depressive Symptoms: Effects of Age and Sex in Two Independent Samples of Youth. *Development and Psychopathology*.

Simon, J.R., Bruchnak, A., Brush, C.J., Klawohn, J., **Santopetro, N.J.**, Burani, K., & Hajcak, G. (under review). Positive and Negative Self-Referential Emotional Bias in Current and Remitted Depression: Evidence from the Late Positive Potential. *Journal of Affective Disorders*.

Santopetro, N. J., Brush, C. J., Mulligan, E. M., & Hajcak, G. (under review). Influences of age and pubertal development on P300 amplitude trajectory across two years in female adolescents. *Developmental Cognitive Neuroscience*.

Santopetro, N. J., Barch, D., Luby, J., Hennefield, H., Gilbert, K., E., Whalen, D., J., & Hajcak, G. (under review). Deficits in doors P300 during adolescence associated with preschool onset depression. *Psychophysiology*.

Amir, N., Holbrook, A., Kallen, A. M., **Santopetro, N. J.**, Klawohn, J., McGhie, S., Bruchnak, A., Lowe, M., Taboas, W., Brush, C. J., & Hajcak, G. (under review). Multiple adaptive attention bias modification programs to reduce error-related negativity and anxiety in vulnerable youth. *Journal of Consulting and Clinical Psychology*.

SYMPOSIUMS & POSTER PRESENTATIONS

Brush, C.J., **Santopetro, N.**, Kallen, A., Burani, K., Winkler, A., & Hajcak, G. (2022). Associations Between Physical Activity, Sedentary Behavior, and the P300 during Adolescence. Presented at the Sixty-second Annual Meeting of the Society of Psychophysiological Research, Virtual.

Simon, J., **Santopetro, N.J.**, & Hajcak, G. (2022). Understanding the Effects of Effort and Expectancy on the P300. Presented at the Sixty-second Annual Meeting of the Society of Psychophysiological Research, Virtual.

Santopetro, N.J., Brush, C.J., Nelson, B., Hajcak, G., & Klein, D. (2022). Reductions in Childhood Doors-locked P300 Amplitude Predicts Increased Risk for Depressive Disorders during Adolescence. Presented at the Sixty-second Annual Meeting of the Society of Psychophysiological Research, Virtual.

Mulligan, E. M., Simon, J., Lowe, M., **Santopetro, N.**, Flynn, H., & Hajcak, G. (2022). The Antenatal P300 and Late Positive Potential Prospectively Predict Increased Postnatal Depression and Anxiety. Presented at the Sixty-second Annual Meeting of the Society of Psychophysiological Research, Virtual.

Thompson, B., **Santopetro, N.**, Brush, C.J. & Hajcak, G. (2022). Reduced Neural Response to Cue and Feedback Stimuli in the MID Task Predicts Adolescent Depressive Symptomology. Presented at the Sixty-second Annual Meeting of the Society of Psychophysiological Research, Virtual.

Dell' Acqua, C., Hajcak, G., Brush, C.J., **Santopetro, N. J.**, & Meyer, A. (2022). Error-related Neural Activity in Children with Obsessive-Compulsive Disorder: A Time-frequency Investigation. Presented at the Sixty-second Annual Meeting of the Society of Psychophysiological Research, Virtual.

Dell' Acqua, C., Brush, C.J., Burani, K., **Santopetro, N. J.**, Klawohn, J., Messerotti, S., & Hajcak, G. (2022). Reduced Electrocortical Responses to Pleasant Pictures in Depression: A Time-domain and Time-frequency Delta Analyses. Presented at the Sixty-second Annual Meeting of the Society of Psychophysiological Research, Virtual.

Santopetro, N., Mulligan, E., Brush, C. & Hajcak, G. (2021) Effects of Multiple Assessment and Depressive Symptoms on P300 Amplitude. Presented at the Sixty-first Annual Meeting of the Society of Psychophysiological Research, Virtual.

Gallyer, A., **Santopetro, N.**, Gomez, M., Klawohn, J., Joiner, T., & Hajcak, G. (2021) Are There Neural Differences Between Those with Suicidal Thoughts and Behaviors and Non-suicidal Controls? An Examination of the RewP, LPP, ERN, and P300 in Depression. Presented at the Sixty-first Annual Meeting of the Society of Psychophysiological Research, Virtual

Santopetro, N., Kallen, A., Threadgill, H., & Hajcak, G. (2020). Reduced Flanker P300 Prospectively Predicts Increases in Depression in Female Adolescents. Presented at the Sixtieth Annual Meeting of the Society of Psychophysiological Research, Virtual

Lowe, M., Mulligan, E., **Santopetro, N.**, Flynn, H., & Hajcak, G. (2020). The P300 to Target Stimuli in Pregnancy is Associated with Change in Depression Symptoms in the Postnatal Period. Presented at the Sixtieth Annual Meeting of the Society of Psychophysiological Research, Virtual

Klawohn, J., Bruchnak, A., **Santopetro, N.**, & Hajcak, G. (2019). Insensitivity to Reward and Pleasant Pictures in Depression: Evidence for Independent Deficits and Relation to Symptoms Cross-Sectionally and Prospectively. Presented at the Fifty-Ninth Annual Meeting of the Society of Psychophysiological Research, Washington, DC.

Santopetro, N., Klawohn, J., & Hajcak, G. (2019). Response Monitoring ERPs in Clinical Depression: The Importance of the Stimulus-locked P300. Presented at the Fifty-Ninth Annual Meeting of the Society of Psychophysiological Research, Washington, DC.

Bruchnak, A., **Santopetro, N.,** Klawohn, J., Meyer, A. & Hajcak, G. (2018). Anxiety and the Conflict N200 in Adolescence. Presented at the Fifty-Eighth Annual Meeting of the Society of Psychophysiological Research, Quebec City, QC.

Santopetro, N.J., Hunter, N., Jalloh, K. & Houston, R.J. (2016). Application of Academics to Psychophysiological Research in the Addiction Sciences: The Undergraduate Experience. Presented at the Research Institute on Addictions (RIA) Open House on Student Research in the Addiction Sciences, University at Buffalo, The State University of New York, Buffalo, NY.

CLINICAL EXPERIENCE

Florida State University, Psychology Clinic, Tallahassee, FL

August 2021-Present

Position: Psychological Therapist Trainee

Supervisors: Thomas Joiner, Ph.D.; Therese Kemper, Ph.D.; Christina Riccardi, Ph.D.

Population Served: Adults and child psychiatric outpatients

AWARDS, RECOGNITIONS & CERTIFICATIONS

National Society of Leadership and Success member

2015- Present

Society for Psychophysiological Research member

2018-Present

CITI Social and Behavioral Responsible Conduct of Research certification

2016-Present

CITI Biomedical Responsible Conduct of Research certification

2016-Present

CITI GCP for Clinical Trials with Investigational Drugs and Biologics (ICH Focus) certification

2017-Present

CITI Human Subjects Research (Social and Behavioral) certification

2019-Present

Provost Scholarship recipient

2013-2015

COMPUTER SOFTWARE

- IBM SPSS Statistics
- R Studio
- Brain Vision Analyzer (EEG/ERP)
- Qualtrics /Survey Monkey
- Microsoft Office (Excel, Power Point, Outlook and Word)
- BioGraph Infiniti (EKG)

APPLIED SKILLS

- Administering KSAD (DSM-IV), and SCID 5 interview
- Administering suicide risk assessments
- Collecting and analyzing electroencephalography (EEG) and ERP data.
- Obtaining and analyzing eye-tracking data.
- Acquiring electrocardiogram (EKG/ECG) data.
- Conducting fMRI tasks.
- Gathering additional physiological data (startle, skin conductance, respiration rate, and temperature).

