

# Carter Funkhouser

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## Education

- 2017–present    **University of Illinois at Chicago**  
 M.A., Clinical Psychology (2018)  
 Ph.D., Psychology (in progress)  
*Advisor:* Dr. Stewart Shankman
- 2011–2015    **Connecticut College**  
 B.A., Psychology (Minor: Applied Statistics)  
 Magna Cum Laude  
*Honors thesis advisor:* Dr. Audrey Zakriski

## Funding

- 2020–2022    Ruth L. Kirschstein National Research Service Award  
 NIMH F31MH123042  
 Role: PI  
 Amount awarded: \$83,176
- 2019–2020    Training in the Neuroscience of Mental Health  
 NIMH T32MH067631 (PI: Rasenick)  
 Role: Trainee  
 Amount awarded: \$24,816

## Publications (\*equal contribution)

1. **Funkhouser, C. J.**, Correa, K. A., Letkiewicz, A. M., Cozza, E. M., Estabrook, R., & Shankman, S. A. (in press). Evaluating the criterion validity of hierarchical psychopathology dimensions across models: Familial aggregation and associations with Research Domain Criteria (RDoC) (sub)constructs. *Journal of Abnormal Psychology*.
2. **Funkhouser, C. J.**, Kaiser, A. J. E., Alqueza, K. L., Carrillo, V. L., Hoffman, L. M. K., Nabb, C. B., Auerbach, R. P., & Shankman, S. A. (2021). Depression risk factors and affect dynamics: An experience sampling study. *Journal of Psychiatric Research*, 135, 68–75. <https://doi.org/10.1016/j.jpsychires.2021.01.007>
3. Crane, N. A., **Funkhouser, C. J.**, Burkhouse, K. L., Klumpp, H., Phan, K. L., & Shankman, S. A. (2021). Occasional cannabis users demonstrate enhanced neural reactivity to reward: An event-related potential and time-frequency EEG study. *Addictive Behaviors*, 113, 106669. <https://doi.org/10.1016/j.addbeh.2020.106669>

4. **Funkhouser, C. J.**, Chacko, A. A., Correa, K. A., Kaiser, A. J. E., & Shankman, S. A. (2021). Unique longitudinal relationships between symptoms of psychopathology in youth: A cross-lagged panel network analysis in the ABCD study. *Journal of Child Psychology and Psychiatry*, 62, 2, 184–194. <https://doi.org/10.1111/jcpp.13256>
5. Kaiser, A. J. E., **Funkhouser, C. J.**, Mittal, V., Walther, S., & Shankman, S. A. (2020). Test-retest & familial concordance of MDD symptoms. *Psychiatry Research*, 292, 113313. <https://doi.org/10.1016/j.psychres.2020.113313>
6. Lieberman, L., **Funkhouser, C. J.**, Gorka, S. M., Liu, H., Correa, K. A., Berenz, E. C., Phan, K. L., & Shankman, S. A. (2020). The relation between posttraumatic stress symptom severity and startle potentiation to predictable and unpredictable threat. *Journal of Nervous and Mental Disease*, 208(5), 397–402. <https://doi.org/10.1097/NMD.0000000000001138>
7. **Funkhouser, C. J.**, Correa, K. A., Gorka, S. M., Nelson, B. D., Phan, K. L., & Shankman, S. A. (2020). The replicability and generalizability of internalizing symptom networks across five samples. *Journal of Abnormal Psychology*, 129(2), 191–203. <https://doi.org/10.1037/abn0000496>
8. **Funkhouser, C. J.**, Auerbach, R. P., Kujawa, A., Morelli, S. A., Phan, K. L., & Shankman, S. A. (2020). Social feedback valence differentially modulates the reward positivity, P300, and late positive potential. *Journal of Psychophysiology*, 34(4), 255–267. <https://doi.org/10.1027/0269-8803/a000253>
9. **Funkhouser, C. J.**, Correa, K. A., Carrillo, V. L., Klemballa, D. M., & Shankman, S. A. (2019). The time course of responding to aversiveness in females with a history of non-suicidal self-injury. *International Journal of Psychophysiology*, 141, 1–8. <https://doi.org/10.1016/j.ijpsycho.2019.04.008>
10. Stevens, E. S., Lieberman, L., **Funkhouser, C. J.**, Correa, K. A. & Shankman, S. A. (2019). Startle during threat longitudinally predicts functional impairment independent of DSM diagnoses. *Psychiatry Research*, 279, 207–215. <https://doi.org/10.1016/j.psychres.2019.02.072>
11. Shankman, S. A., **Funkhouser, C. J.**, Klein, D. N., Davila, J., Lerner, D., & Hee, D. E. (2018). Reliability and validity of severity dimensions of psychopathology assessed using the Structured Clinical Interview for DSM-5 (SCID). *International Journal of Methods in Psychiatric Research*, 27(1), e1590. <https://doi.org/10.1002/mpr.1590>
12. Lieberman, L., Stevens, E. S., **Funkhouser, C. J.**, Weinberg, A., Sarapas, C., Huggins, A. A., & Shankman, S. A. (2017). How many blinks are necessary for a reliable startle response? A test using the NPU-threat task. *International Journal of Psychophysiology*, 114, 24–30. <https://doi.org/10.1016/j.ijpsycho.2017.01.012>

13. Lieberman, L., Gorka, S. M., **Funkhouser, C. J.**, Shankman, S. A., & Phan, K. L. (2017). Impact of posttraumatic stress symptom dimensions on psychophysiological reactivity to threat and reward. *Journal of Psychiatric Research*, 92, 55–63. <https://doi.org/10.1016/j.jpsychires.2017.04.002>
14. **Funkhouser, C. J.**, Zakriski, A. L., & Spoltore, J. D. (2017). Evaluating peer-peer depression outreach: College students helping peers approach and respond to students in crisis. *Psi Chi Journal of Psychological Research*, 22(1), 19–28. <https://doi.org/10.24839/2325-7342.JN22.1.19>

#### **Submitted Manuscripts (\*equal contribution)**

1. Ashaie, S.\*, Hung, J.\*, **Funkhouser, C. J.**, Shankman, S. A., & Cherney, L. (under review). Depression in persons with stroke over time: A network analysis approach.
2. Liu, H., **Funkhouser, C. J.**, Langenecker, S. A., & Shankman, S. A. (under review). Set shifting and inhibition deficits as potential endophenotypes for depression.
3. Shenberger, E. R., **Funkhouser, C. J.**, Boley, R., Zalta, A. K., & Shankman, S. A. (under review). The impact of aversive context on early threat detection in trauma exposed individuals and associations with post-traumatic stress symptoms.
4. Correa, K. A., Carrillo, V. L., **Funkhouser, C. J.**, Shenberger, E. R., & Shankman, S. A. (under review). Ethnic differences in behavioral and physiological indicators of sensitivity to threat.
5. Letkiewicz, A. M., **Funkhouser, C. J.**, & Shankman, S. A. (under review). Childhood maltreatment predicts poorer executive functioning beyond symptoms of internalizing psychopathology in adulthood.

#### **Manuscripts in Preparation (\*equal contribution)**

1. **Funkhouser, C. J.**, Ashaie, S. A., Talati, A., Posner, J., Gameroff, M. J., Weissman, M. M., & Shankman, S. A. (in preparation). Prospectively predicting adult depression from adolescent peer dysfunction: A sibling comparison study.
2. Stevens, L. S., **Funkhouser, C. J.**, & Shankman, S. A. (in preparation). Inhibition predicts the course of internalizing symptoms: The moderating role of familial risk.

#### **Non-Peer Reviewed Publications**

1. Shankman, S. A., & **Funkhouser, C. J.** (2017). Socioeconomic Status. In A. E. Wenzel (Ed.), *The SAGE Encyclopedia of Abnormal and Clinical Psychology* (pp. 3254-3255). Thousand Oaks, CA: SAGE Publications.

2. **Funkhouser, C. J., & Siegel-Wallace, S. (2015).** Perceptions and prevalence of nonmedical stimulant use among college students. *Connecticut College Psychology Journal*.

### **Honors and Awards**

2017–present	Graduate Student Travel Awards Department of Psychology, University of Illinois at Chicago
2020	Keys Award for Early Outstanding Research Achievement (\$500 departmental award)
2015	Jane W. Torrey Award for the Psychological Study of Social Issues (\$200 departmental award for undergraduate thesis)
2015	Magna Cum Laude
2015	Graduated with Distinction
2014–2015	Student in the Psychology Department Honors Program, Connecticut College
2014	New England Small College Athletic Conference (NESCAC) Student Athlete Award
2013	Psi Chi
2011–2015	Dean’s High Honors, Connecticut College

### **Invited Addresses**

“A Network Approach to Conceptualizing and Modeling Psychopathology.” Columbia University (2020), New York, NY.

“Studying the Causes and Classification of Psychopathology.” *University of Illinois at Chicago* (2019), guest lecture, Chicago, IL.

“Measurement of Psychopathology.” *University of Illinois at Chicago* (2019), guest lecture, Chicago, IL.

“Using machine learning to understand processes involved in internalizing psychopathology.” Northwestern University Department of Psychiatry (2018), invited colloquia, Chicago, IL.

“Reliability and Validity in Psychopathology Assessment.” *University of Illinois at Chicago* (2018), guest lecture, Chicago, IL.

“Research Domain Criteria.” *University of Illinois at Chicago* (2018), guest lecture, Chicago, IL.

“Evaluating peer-peer depression outreach: College students helping peers approach and respond to students in crisis.” *New England Psychological Association* (2016), Worcester, MA.

“An outcome evaluation of a peer-based suicide prevention program for college students.” *Connecticut College Psychology Department Conference* (2015), New London, CT.

### **Conference Poster Presentations**

1. Crane, N. A., **Funkhouser, C. J.**, Burkhouse, K. L., Klumpp, H., Phan, K. L., & Shankman, S. A. (December, 2020). *Cannabis Users Demonstrate Enhanced Neural Reactivity to Reward: An Event-Related Potential and Time-Frequency EEG Study*. Poster presented at the 59<sup>th</sup> annual meeting of the American College of Neuropsychopharmacology, Virtual Meeting.
2. **Funkhouser, C. J.**, Kaiser, A. J. E., Carrillo, V. L., Hoffman, L., Alqueza, K. L., Auerbach, R. P., & Shankman, S. A. (May, 2020). *Depression risk factors and affective dynamics: An experience sampling study*. Poster accepted at the 32<sup>nd</sup> annual meeting of the Association for Psychological Science, Chicago, IL (conference canceled due to COVID-19).
3. **Funkhouser, C. J.**, Chacko, A. C., Correa, K. A., & Shankman, S. A. (September, 2019). *Unique longitudinal associations between symptoms of psychopathology in youth: A cross-lagged panel network analysis in the ABCD study*. Poster presented at the 33<sup>rd</sup> annual meeting of the Society for Research in Psychopathology, Buffalo, NY.
4. Kaiser, A., Correa, K. A., **Funkhouser, C. J.**, Shenberger, E. R., & Shankman, S. A. (September, 2019). *The association between frontal EEG asymmetry during reward anticipation and familial risk for specific depressive symptoms*. Poster presented at the 33<sup>rd</sup> annual meeting of the Society for Research in Psychopathology, Buffalo, NY.
5. Shenberger, E. R., Kaiser, A. J. E., Correa, K. A., **Funkhouser, C. J.**, & Shankman, S. A. (September, 2019). *Exploring the relationship between maladaptive personality traits, sibling relationship quality, and depression severity: An actor-partner interdependence model*. Poster presented at the 33<sup>rd</sup> annual meeting of the Society for Research in Psychopathology, Buffalo, NY.
6. Correa, K. A., **Funkhouser, C. J.**, Carrillo, V. L., Kaiser, A., & Shankman, S. A. (September, 2019). *Racial and ethnic differences in treatment seeking individuals*. Poster presented at the 33<sup>rd</sup> annual meeting of the Society for Research in Psychopathology, Buffalo, NY.
7. Shenberger, E. R., **Funkhouser, C. J.**, Meissel, E. E., & Shankman, S. A. (May, 2019). *Do the four PTSD symptom clusters have differential associations with attentional biases to threat?* Poster presented at the 74<sup>th</sup> annual meeting of the Society of Biological Psychiatry, Chicago, IL.
8. Chacko, A. C., **Funkhouser, C. J.**, Maki, P., & Shankman, S. A. (April, 2019). *The moderating effect of sex on startle response to threat in those with and without Social Anxiety Disorder*. Poster presented at the University of Illinois at Chicago Impact and Research Day, Chicago, IL.
9. **Funkhouser, C. J.**, Gorka, S. M., Nelson, B. D., Phan, K. L., & Shankman, S. A. (March, 2019). *The replicability and generalizability of internalizing symptom networks*

*across five samples*. Poster presented at the 39<sup>th</sup> annual meeting of the Anxiety and Depression Association of America, Chicago, IL.

10. Klemballa, D. M., Correa, K. A., **Funkhouser, C. J.**, & Shankman, S. A. (March, 2019). *Associations between contextual threat and respiratory sinus arrhythmia*. Poster presented at the 39<sup>th</sup> annual meeting of the Anxiety and Depression Association of America, Chicago, IL.
11. Kaiser, A., **Funkhouser, C. J.**, & Shankman, S. A. (March, 2019). *The test-retest reliability and familialness of aggregated vs. unaggregated depression symptoms*. Poster presented at the 39<sup>th</sup> annual meeting of the Anxiety and Depression Association of America, Chicago, IL.
12. **Funkhouser, C. J.**, Leow, A., Kinney, K. L., Correa, K. A., & Shankman, S. A. (September, 2018). *Toward a data-driven nosology of internalizing psychopathology: Identifying and validating clusters of negative valence constructs using machine learning*. Poster presented at the 32<sup>nd</sup> annual meeting of the Society for Research in Psychopathology, Indianapolis, IN.
13. Correa, K. A., Stevens, E. S., **Funkhouser, C. J.**, & Shankman, S. A. (September, 2018). *A longitudinal study examining the incremental predictive validity of intolerance of uncertainty*. Poster presented at the 32<sup>nd</sup> annual meeting of the Society for Research in Psychopathology, Indianapolis, IN.
14. Klemballa, D. M., **Funkhouser, C. J.**, & Shankman, S. A. (September, 2018). *Respiratory sinus arrhythmia as a familial vulnerability factor for internalizing and externalizing psychopathology*. Poster presented at the 32<sup>nd</sup> annual meeting of the Society for Research in Psychopathology, Indianapolis, IN.
15. Nannini, S. R., **Funkhouser, C. J.**, Meissel, E. E., & Shankman, S. A. (April, 2018). *Borderline Personality Disorder and the PID-5 predicting current suicidality*. Poster presented at the 90<sup>th</sup> annual meeting of the Midwestern Psychological Association, Chicago, IL.
16. **Funkhouser, C. J.**, Carrillo, V. L., Correa, K. A., & Shankman, S. A. (October, 2017). *Physiological habituation to aversiveness and non-suicidal self-injury: A test of acquired capability for suicide*. Poster presented at the 57<sup>th</sup> annual meeting of the Society for Psychophysiological Research, Vienna, Austria.
17. **Funkhouser, C. J.**, Meissel, E. E., Kujawa, A., & Shankman, S. A. (April, 2017). *The association between negative cognitive style and neural reactivity to social acceptance vs. rejection*. Poster presented at the 37<sup>th</sup> annual meeting of the Anxiety and Depression Association of America, San Francisco, CA.
18. **Funkhouser, C. J.**, Lieberman, L., & Shankman, S. A. (September, 2016). *The association between neural responses to errors and family history of OCD*. Poster

presented at the 30th annual meeting of the Society for Research in Psychopathology, Baltimore, MD.

19. Liu, H., **Funkhouser, C. J.**, Sarapas, C., & Shankman, S. A. (September, 2016). *Reliability of two measures of attention to emotional stimuli*. Poster presented at the 30th annual meeting of the Society for Research in Psychopathology, Baltimore, MD.
20. Meissel, E. E., **Funkhouser, C. J.**, Liu, H., & Shankman, S. A. (September, 2016). *Investigating the reliability of different measures from the dot-probe task and using personal and family history of social anxiety disorder as validators*. Poster presented at the 30th annual meeting of the Society for Research in Psychopathology, Baltimore, MD.
21. Jabbar, S., & **Funkhouser, C. J.** (April, 2016). *The relationship between birth order and risk-taking*. Poster presented at the UIC GPPA Medicine Capstone Forum, Chicago, IL.
22. **Funkhouser, C. J.**, Liu, H., Hee, D., & Shankman, S. A. (October, 2015). *Does reward learning predict changes in depression?: A preliminary study*. Poster presented at the 29<sup>th</sup> annual meeting of the Society for Research in Psychopathology, New Orleans, LA.

### Clinical Experience

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| 2020      | <b>Obsessive-Compulsive and Related Disorders Clinic</b><br><b>University of Chicago</b> <ul style="list-style-type: none"> <li>• Provided empirically-supported psychotherapy</li> </ul>  |
| 2017–2020 | <b>Office of Applied Psychological Services</b><br><b>University of Illinois at Chicago</b> <ul style="list-style-type: none"> <li>• Provided empirically-supported psychotherapy (15 clients seen)</li> <li>• Conducted 16 diagnostic intake assessments</li> <li>• Mentored junior students completing diagnostic intakes</li> <li>• Administered neuropsychological assessments and interpret, document, and communicated the results of assessments to clients, supervisors, and colleagues (6 cases completed)</li> </ul> |
| 2019      | <b>Women’s Mental Health Research Program</b><br><b>Department of Psychiatry, University of Illinois at Chicago</b> <ul style="list-style-type: none"> <li>• Worked as a paid Graduate Research Assistant supervising graduate students learning to administer the SCID</li> </ul>   |
| 2015–2018 | <b>Chicago Lab of Emotion and Physiology</b><br><b>University of Illinois at Chicago</b> <ul style="list-style-type: none"> <li>• Conducted 75 SCIDs and 105 Longitudinal Interval Follow-Up interviews with adults with various psychopathologies</li> </ul>  |

### Editorial Experience

Ad Hoc Reviewer (With Stewart Shankman): Journal of Abnormal Psychology, Psychotherapy, Clinical Psychological Science

### **Teaching Experience**

2018–2019      Teaching Assistant, University of Illinois at Chicago  
                     • PSCH 333 Laboratory in Clinical Psychology (Fall 2018, Spring 2019, Fall 2019)

### **Senior Thesis Advisees**

2015–2016      Saadiya Jabbar  
                     Title: The relationship between birth order and risk-taking  
                     Subsequent position: Medical student, University of Illinois at Chicago

2017–2018      Sierra Nannini  
                     Title: Borderline personality disorder and the PID-5 as risk factors for suicide  
                     Subsequent position: Research assistant, University of Pittsburgh

2018–2019      Anjali Chacko  
                     Title: The moderating effect of sex on startle response to threat in those with and without social anxiety disorder  
                     Subsequent position: Medical student, Eastern Virginia Medical School

### **Professional Memberships**

Society for a Science of Clinical Psychology  
 Society for Research in Psychopathology  
 Anxiety and Depression Association of America  
 Society for Psychophysiological Research  
 Association for Behavioral and Cognitive Therapies