

## Peter E. Clayson

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### Positions

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**Assistant Professor**, Department of Psychology, University of South Florida (2020 – current)

**Assistant Project Scientist**, Department of Psychiatry and Biobehavioral Sciences, David Geffen School of Medicine, University of California, Los Angeles, Los Angeles, CA (2017 – 2019)

**Postdoctoral Fellow**, Desert Pacific Mental Illness Research, Education, and Clinical Center, VA Greater Los Angeles Healthcare System, Los Angeles, CA (2017 – 2019)

### Education

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**PhD 2017** in Clinical Psychology, Minors in Behavioral Neuroscience and Quantitative Psychology, University of California, Los Angeles, Los Angeles, CA

Dissertation: Social Exclusion and Schizophrenia: Dissociating Expectancy Violations from Social Distress

Chairs: Gregory A. Miller, PhD, and Cindy M. Yee-Bradbury, PhD

**MA 2012** in Psychology, University of California, Los Angeles, Los Angeles, CA

**BS 2010** in Psychology - Clinical Emphasis, Double Major in Russian Language, Brigham Young University, Provo, UT

### Professional Licensure

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**Licensed Psychologist**, #PY 10692, State of Florida (2019 – current)

### Funding

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2022-2027      National Institute of Mental Health (R01; R01MH128208)  
PsyRAT: Extensible Open-Source Software for Applying Generalizability  
Theory to Assess Psychometric Reliability of Trial-Wise Scores and Optimize  
Tasks for RDoC  
PI; Total costs: \$2,970,897

2020            University of South Florida Strategic Investment Pool  
Acquisition of Eye Tracking and EEG Co-Registration Equipment  
Co-PI (PI: Elizabeth Schotter); Total costs: \$82,550

2017	Pala Pilot Grant from the VA Desert Pacific VISN 22 Mental Illness Research, Education, and Clinical Center (\$8,800)
2012-2015	National Science Foundation (NSF) Graduate Research Fellowship (\$96,000) DGE-1144087
2012	Graduate Summer Research Mentorship Fellowship (\$6,000)
2011-2012	UCLA Distinguished Graduate Fellowship (\$50,947)

#### Awards

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2023	Outstanding Research Achievement Award, University of South Florida
2023	BNA Credibility in Neuroscience Prize, Team Credibility Prize #EEGManyLabs, British Neuroscience Association
2023	Award for Distinguished Early Career Contributions to Psychophysiology, Society for Psychophysiological Research
2011	Student Travel Award, Society for Psychophysiological Research
2011	Department of Psychology Poster Winner: Mary Lou Fulton Mentor Research Conference, Brigham Young University
2010	BYU Choose to Give Opportunity Fund Travel Award, Brigham Young University

#### Publications

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1. Larson, M. J., South, M., & **Clayson, P. E.** (2011). Sex differences in error-related performance monitoring. *NeuroReport*, 22, 44-48. doi: 10.1097/WNR0b013e3283427403
2. Larson, M. J., & **Clayson, P. E.** (2011). The relationship between cognitive performance and electrophysiological indices of performance monitoring. *Cognitive, Affective, and Behavioral Neuroscience*, 11, 159-171. doi: 10.3758/s13415-010-0018-6
3. **Clayson, P. E.**, Clawson, A., & Larson, M. J. (2011). Sex differences in electrophysiological indices of conflict monitoring. *Biological Psychology*, 87, 282-289. doi: 10.1016/j.biopsycho.2011.03.011
4. **Clayson, P. E.**, & Larson, M. J. (2011). Conflict adaptation and sequential trial effects: Support for the conflict monitoring theory. *Neuropsychologia*, 49, 1953-1961. doi: 10.1016/j.neuropsychologia.2011.03.023
5. Larson, M. J., Farrer, T. J., & **Clayson, P. E.** (2011). Cognitive control in mild traumatic brain injury: Conflict monitoring and conflict adaptation. *International Journal of Psychophysiology*, 82, 69-78. doi: 10.1016/j.ijpsycho.2011.02.018

6. **Clayson, P. E.**, & Larson, M. J. (2011). Effects of repetition priming on electrophysiological and behavioral indices of conflict adaptation and cognitive control. *Psychophysiology*, *48*, 1621-1630. doi: 10.1111/j.1469-8986.2011.01265.x
7. Larson, M. J., **Clayson, P. E.**, & Baldwin, S. A. (2012). Performance monitoring following conflict: Internal adjustments in cognitive control. *Neuropsychologia*, *50*, 426-433. doi: 10.1016/j.neuropsychologia.2011.12.021
8. Larson, M. J., South, M., **Clayson, P. E.**, & Clawson, A. (2012). Cognitive control and conflict adaptation in youth with high-functioning autism. *Journal of Child Psychology and Psychiatry*, *53*, 440-448. doi: 10.1111/j.1469-7610.2011.02498.x.
9. Larson, M. J., **Clayson, P. E.**, & Farrer, T. J. (2012). Performance monitoring and cognitive control in individuals with mild traumatic brain injury. *Journal of the International Neuropsychological Society*, *18*, 323-333. doi: 10.1017/S1355617711001779
10. **Clayson, P. E.**, & Larson, M.J. (2012). Cognitive performance and electrophysiological indices of cognitive control: A validation study of conflict adaptation. *Psychophysiology*, *50*, 426-433. doi: 10.1111/j.1469-8986.2011.01345.x
11. Larson, M. J., Clawson, A., **Clayson, P. E.**, & South, M. (2012). Cognitive control and conflict adaptation similarities in children and adults. *Developmental Neuropsychology*, *37*, 343-357. doi: 10.1080/87565641.2011.650337
12. **Clayson, P. E.**, Clawson, A., & Larson, M. J. (2012). The effects of induced state negative affect on performance monitoring processes. *Social Cognitive and Affective Neuroscience*, *7*, 677-688. doi: 10.1093/scan/nsr040
13. **Clayson, P. E.**, Baldwin, S. A., & Larson, M. J. (2013). How does noise affect amplitude and latency measurement of event-related potentials (ERPs)? A methodological critique and simulation study. *Psychophysiology*, *50*, 174-186. doi: 10.1111/psyp.12001
14. Larson, M. J., Gray, A. C., **Clayson, P. E.**, Jones, R., & Kirwan, C. B. (2013). What are the influences of orthogonally-manipulated valence and arousal on performance monitoring processes? The effects of affective state. *International Journal of Psychophysiology*, *87*, 327-339. doi: 10.1016/j.ijpsycho.2013.01.005
15. Clawson, A., **Clayson, P. E.**, & Larson, M. J. (2013). Cognitive control adjustments and conflict adaptation in major depressive disorder. *Psychophysiology*, *50*, 711-721. doi: 10.1111/psyp.12066
16. Larson, M. J., Clawson, A., **Clayson, P. E.**, & Baldwin, S. A. (2013). Cognitive conflict adaptation in generalized anxiety disorder. *Biological Psychology*, *94*, 408-418. doi: 10.1016/j.biopsycho.2013.08.006
17. **Clayson, P. E.**, & Larson, M. J. (2013). Adaptation to emotional conflict: Evidence from a novel paradigm. *PLoS ONE*, *8*, e76776. doi: 10.1371/journal.pone.0075776
18. **Clayson, P. E.**, & Larson, M. J. (2013). Psychometric properties of conflict monitoring and conflict adaptation indices: Response time and conflict N2 event-related potentials. *Psychophysiology*, *50*, 1209-1219. doi: 10.1111/psyp.12138
19. Clawson, A., **Clayson, P. E.**, Worsham, W., Johnston, O., South, M., & Larson, M. J. (2014). How about watching others? Observation of error-related feedback by others in autism spectrum disorders. *International Journal of Psychophysiology*, *92*, 26-24. doi: 10.1016/j.ijpsycho.2014.01.009
20. Clawson, A., **Clayson, P. E.**, South, M., Bigler, E. D., & Larson, M. J. (2015). An electrophysiological investigation of interhemispheric transfer time in children and

- adolescents with high-functioning autism spectrum disorders. *Journal of Autism and Developmental Disorders*, 45, 363-375. doi: 10.1007/s10803-013-1895-7
21. Baldwin, S. A., Larson, M. J., & **Clayson, P. E.** (2015). The dependability of electrophysiological measurements of performance monitoring in a clinical sample: A generalizability and decision analysis of the ERN and Pe. *Psychophysiology*, 52, 790-800. doi: 10.1111/psyp.12401
  22. Larson, M. J., **Clayson, P. E.**, Primosch, M., Leyton, M., & Steffensen, S. C. (2015). The effects of acute dopamine precursor depletion on the cognitive control functions of performance monitoring and conflict processing: An event-related potential (ERP) study. *PLoS ONE*, 10, e0140770. doi: 10.1371/journal.pone.0140770
  23. Larson, M. J., **Clayson, P. E.**, Keith, C. M., Hunt, I. J., Hedges, D. W., Nielsen, B. L., & Vaugh, R. A. C. (2016). Cognitive control adjustments in healthy older and younger adults: Conflict adaptation, the error-related negativity (ERN), and evidence of generalized decline with age. *Biological Psychology*, 115, 50-63. doi: 10.1016/j.biopsycho.2016.01.008
  24. Baldwin, S. A., Larson, M. J., & **Clayson, P. E.** (2015). The dependability of electrophysiological measurements of performance monitoring in a clinical sample: A generalizability and decision analysis of the ERN and Pe. *Psychophysiology*, 52, 790-800. Reprinted in virtual issue of *Psychophysiology: Error-related negativity (ERN)* (2016).
  25. Larson, M. J., **Clayson, P. E.**, Kirwan, C. B., & Weissman, D. H. (2016). Event-related potential indices of congruency sequence effects without feature integration or contingency learning confounds. *Psychophysiology*, 53, 814-822. doi: 10.1111/psyp.12625
  26. **Clayson, P. E.**, & Miller, G. A. (2017). Psychometric considerations in the measurement of event-related brain potentials: Guidelines for measurement and reporting. *International Journal of Psychophysiology*, 111, 57-67. doi: 10.1016/j.ijpsycho.2016.09.005
  27. **Clayson, P. E.**, & Miller, G. A. (2017). ERP Reliability Analysis (ERA) Toolbox: An open- source toolbox for analyzing the reliability of event-related brain potentials. *International Journal of Psychophysiology*, 111, 68-79. doi: 10.1016/j.ijpsycho.2016.10.012
  28. Clawson, A., **Clayson, P. E.**, Keith, C. M., Catron, C., & Larson, M. J. (2017). Conflict and performance monitoring throughout the lifespan: An event-related potential (ERP) and temporospatial component analysis. *Biological Psychology*, 124, 87-99. doi: 10.1016/j.biopsycho.2017.01.012
  29. **Clayson, P. E.**, Kern, R. S., Nuechterlein, K. H., Knowlton, B. J., Bearden, C. E., Cannon, T. D., Fiske, A. P., Ghermezi, L., Hayata, J. N., Helleman, G. S., Horan, W. P., Kee, K., Lee, J., Subotnik, K. L., Sugar, C. A., Ventura, J., Yee, C. M., & Green, M. F. (2019). Social vs. non-social measures of learning potential for predicting community functioning across phase of illness in schizophrenia. *Schizophrenia Research*, 204, 104-110. doi: 10.1016/j.schres.2018.07.046
  30. **Clayson, P. E.**, & Larson, M. J. (2019). The impact of recent and concurrent affective context on cognitive control: An ERP study of performance monitoring. *International Journal of Psychophysiology*, 143, 44-56. doi: 10.1016/j.ijpsycho.2019.06.007
  31. **Clayson, P. E.**, Carbine, K. A., Baldwin, S. A., & Larson, M. J. (2019). Methodological reporting behavior, sample sizes, and statistical power in studies of event-related potentials: Barriers to reproducibility and replicability. *Psychophysiology*, 56, e13437. doi: 10.1111/psyp.13437 [[preprint](#)]
  32. **Clayson, P. E.**, Wynn, J. K., Infantolino, Z. P., Hajcak, G., Green, M. F., & Horan, W. P. (2019). Reward processing in certain versus uncertain contexts in schizophrenia: An event-

- related potential (ERP) study. *Journal of Abnormal Psychology*, 128, 867-880. doi: 10.1037/abn0000469
33. <sup>RR</sup> **Clayson, P. E.**, Carbine, K. A., & Larson, M. J. (2020). A registered report of error-related negativity and reward positivity as biomarkers of depression: P-curving the evidence. *International Journal of Psychophysiology*, 150, 50-72. doi: 10.1016/j.ijpsycho.2020.01.005 [[preprint](#)]
  34. **Clayson, P. E.** (2020). Moderators of the internal consistency of error-related negativity scores: A meta-analysis of internal consistency estimates. *Psychophysiology*, 57, e13583. doi: 10.1111/psyp.13583 [[preprint](#)]
  35. **Clayson, P. E.**, Baldwin, S. A., & Larson, M. J. (2021). Evaluating the internal consistency of subtraction-based and residualized difference scores: Considerations for psychometric reliability analyses of event-related potentials. *Psychophysiology*, 58, e13762. doi: 10.1111/psyp.13762 [[preprint](#)]
  36. **Clayson, P. E.**, Baldwin, S. A., & Larson, M. J. (2021). The open access advantage for studies of human electrophysiology: Impact on citations and Altmetrics. *International Journal of Psychophysiology*, 164, 103-111. doi: 10.1016/j.ijpsycho.2021.03.006 [[open access](#)]
  37. **Clayson, P. E.**, Brush, C. J., & Hajcak, G. (2021). Data quality and reliability metrics for event-related potentials (ERPs): The utility of subject-level reliability. *International Journal of Psychophysiology*, 165, 121-136. doi: 10.1016/j.ijpsycho.2021.04.004 [[preprint](#)]
  38. Fournier, L. F.\*, McDonald, J. B.\*, **Clayson, P. E.**, & Verona, E. (2021). Psychopathic traits, inhibition, positive and negative emotion: Results from an emotional Go/No-Go Task. *Psychophysiology*, 58, e13815. doi: 10.1111/psyp.13815 [[preprint](#)]
  39. **Clayson, P. E.**, Carbine, K. A., Baldwin, S. A., Olsen, J. A., & Larson, M. J. (2021). Using generalizability theory and the ERP Reliability Analysis (ERA) Toolbox for assessing test-retest reliability of ERP scores Part 1: Algorithms, framework, and implementation. *International Journal of Psychophysiology*, 166, 174-187. doi: 10.1016/j.ijpsycho.2021.01.006 [[preprint](#)]
  40. Carbine, K. A., **Clayson, P. E.**, Baldwin, S. A., LeCheminant, J. D., & Larson, M. J. (2021). Using generalizability theory and the ERP Reliability Analysis (ERA) Toolbox for assessing test-retest reliability of ERP scores Part 2: Application to food-based tasks and stimuli. *International Journal of Psychophysiology*, 166, 188-198. doi: 10.1016/j.ijpsycho.2021.02.015 [[preprint](#)]
  41. Molina, J. L., Joshi, Y. B., Nungaray, J., Thomas, M. L., Sprock, J., **Clayson, P. E.**, Sanchez, V. A., Attarha, M., Biagianti, B., Swerdlow, N. R., & Light, G. A. (2021). Central auditory processing deficits in schizophrenia: Effects of auditory-based cognitive training. *Schizophrenia Research*, 236, 135-141. doi: 10.1016/j.schres.2021.07.033
  42. **Clayson, P. E.**, Molina, J. L., Joshi, Y. B., Thomas, M. L., Sprock, J., Nungaray, J., Swerdlow, N. R., & Light, G. A. (2021). Evaluation of the frequency following response as a predictive biomarker of response to cognitive training in schizophrenia. *Psychiatry Research*, 305, 114239. doi: 10.1016/j.psychres.2021.114239 [[preprint](#)]
  43. Pavlov, Y. G., Adamian, N., Appelhoff, S., Arvaneh, M., Benwell, C. Beste, C., Bland, A. R., Bradford, D. E., Bublatzky, F., Busch, N. A., **Clayson, P. E.**, Cruse, D., Czeszumski, A., Dreber, A., Dumas, G., Ehinger, B., Giorgio, G., He, X., Hinojosa, J. A., Huber-Huber, C., Inzlicht, M., Jack, B. N., Johannesson, M., Jones, R., Kalenkovich, E., Kaltwasser, L., Karimi-Rouzbahani, H., König, P., Kouara, L., Kulke, L., Ladouceur, C. D., Langer, N., Liesefeld, H. R., Luque, D., MacNamara, A., Muthuraman, M., Neal, L. B., Nilsonne, G., Niso, G., Ocklenburg, S., Oostenveld, R., Pernet, C. R., Pourtois, G., Ruzzoli, M., Sass, S. M., Schaefer, A., Senderecka,

- M., Snyder, J., Tamnes, C. K., Tognoli, E., van Vugt, M. K., Verona, E., Vloeberghs, R., Welke, D., Wessel, J. R., Zakharov, I., Mushtaq, F. (2021). #EEGManyLabs: Investigating the replicability of influential EEG experiments. *Cortex*, *144*, 213-229. doi: 10.1016/j.cortex.2021.03.013 [[open access](#)]
44. **Clayson, P. E.**, Baldwin, S. A., Rocha, H. A.\*, & Larson, M. J. (2021). The data-processing multiverse of event-related potentials (ERPs): A roadmap for the optimization and standardization of ERP processing and reduction pipelines. *NeuroImage*, *245*, 118712. doi: 10.1016/j.neuroimage.2021.118712 [[open access](#)]
45. **Clayson, P. E.**, Joshi, Y. B., Thomas, M. L., Sprock, J., Nungaray, J., Swerdlow, N. R., & Light, G. A. (2022). Click-evoked auditory brainstem responses (ABRs) are intact in schizophrenia and not sensitive to cognitive training. *Biomarkers in Neuropsychiatry*, *6*, 100046. doi: 10.1016/j.bionps.2022.100046 [[open access](#)]
46. **Clayson, P. E.**, Rocha, H. A.\*, Baldwin, S. A., Rast, P., & Larson, M. J. (2022). Understanding the error in psychopathology: Notable intraindividual differences in neural variability of performance monitoring. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, *7*, 555-565. doi: 10.1016/j.bpsc.2021.10.016 [[preprint](#)]
47. **Clayson, P. E.**, Joshi, Y. B., Thomas, M. L., Tarasenko, M., Bismark, A., Sprock, J., Nungaray, J., Cardoso, L., Wynn, J. K., Swerdlow, N. R., & Light, G. A. (2022). The viability of the frequency following characteristics for use as biomarkers of cognitive therapeutics in schizophrenia. *Schizophrenia Research*, *243*, 372-382. doi: 10.1016/j.schres.2021.06.022 [[preprint](#)]
48. **Clayson, P. E.**, Wynn, J. K., Jimenez, A. M., Reavis, E. A., Lee, J., Green, M. F., & Horan, W. P. (2022). Intact differentiation of responses to socially-relevant emotional stimuli across psychotic disorders: An event-related potential (ERP) study. *Schizophrenia Research*, *246*, 250-257. doi: 10.1016/j.schres.2022.06.033 [[preprint](#)]
49. Le, T. P., Green, M. F., Lee, J., **Clayson, P. E.**, Jimenez, A. M., Reavis, E. A., Wynn, J. K., & Horan, W. P. (2022). Aberrant reward processing to positive versus negative outcomes across psychotic disorders. *Journal of Psychiatric Research*, *156*, 1-7. doi: 10.1016/j.jpsychires.2022.09.045
50. Jimenez, A. M., **Clayson, P. E.**, Hasratian, A. S., Lee, J., Reavis, E. A., Wynn, J. K., Green, M. F., & Horan, W. P. (2023). Neuroimaging of social motivation during winning and losing: Associations with social anhedonia across the psychosis spectrum. *Neuropsychologia*, *188*, 108621. doi: 10.1016/j.neuropsychologia.2023.108621
51. Gautam, D., Raza, M. U., Miyakoshi, M., Molina, J. L., Joshi, Y. B., **Clayson, P. E.**, Light, G. A., Swerdlow, N. R., & Sivarao, D. V. (2023). Click-train evoked steady state harmonic response as a novel pharmacodynamic biomarker of cortical oscillatory synchrony. *Neuropharmacology*, *240*, 109707. doi: 10.1016/j.neuropharm.2023.109707 [[preprint](#)]
52. **Clayson, P. E.**, Shuford, J. L., Rast, P., Baldwin, S. A., Weissman, D. H., & Larson, M. J. (2024). Normal congruency sequence effects in psychopathology: A behavioral and electrophysiological examination using a confound-minimized design. *Psychophysiology*, *61*, e14426. doi: 10.1111/psyp.14426 [[preprint](#)]
53. Wynn, J. K., **Clayson, P. E.**, Green, M. F., Jimenez, A. M., Lee, J., Reavis, E. A., & Horan, W. P. (in press). Neurophysiological indices of face processing in people with psychosis and first-degree relatives: An event-related potential study. *European Journal of Neuroscience*. doi: 10.1111/ejn.16034

54. Swerdlow, N. R., Gonzalez, C. E., Raza, M. U., Gautam, D., Miyakoshi, M., **Clayson, P. E.**, Joshi, Y. B., Molina, J. L., Talledo, J., Thomas, M. L., Light, G. A., & Sivarao, D. V. (in press). Effects of memantine on the auditory steady state and harmonic responses to 40 Hz stimulation across species. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. doi: 10.1016/j.bpsc.2023.08.009
55. <sup>RR</sup>**Clayson, P. E.**, McDonald, J. B.\*, Park, B.\*, Holbrook, A.\*, Baldwin, S. A., Riesel, A., & Larson, M. J. (in press). Registered replication report of the construct validity of the error-related negativity (ERN): A multi-site study of task-specific ERN correlations with internalizing and externalizing symptoms. *Psychophysiology*. doi: 10.1111/psyp.14496 [[preprint](#)]
56. Rum, R.\*, Birg, J.\*, Silva, G.\*, Rottenberg, J., **Clayson, P. E.**, & Goodman, F. (in press). Social motivation differentiates social anxiety and depression: A daily diary study. *Behavior Therapy*. doi: 10.1016/j.beth.2023.11.004

\*Indicates University of South Florida graduate student

<sup>RR</sup> Indicates a registered report. This is a format where the research questions and methodology undergo peer review prior to data collection. At that stage the manuscript is provisionally accepted. After data collection, the full manuscript then undergoes another peer review and is published if the pre-registered protocol is followed (see <https://cos.io/rr/>). When a Stage 2 Registered Report is under review, it is listed as IPA-under review to reflect that the article has already been accepted in principle, and the journal where the registered report has been accepted is shown.

## Invited Review

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1. Larson, M. J.<sup>†</sup>, **Clayson, P. E.**<sup>†</sup>, & Clawson, A.<sup>†</sup> (2014). Making sense of all the conflict: A theoretical review and critique of conflict-related ERPs. *International Journal of Psychophysiology*, 93, 283-297. doi: 10.1016/j.ijpsycho.2014.06.007
2. **Clayson, P. E.** (in press). The psychometric upgrade psychophysiology needs. *Psychophysiology*. doi: 10.1111/psyp.14522

<sup>†</sup> These authors contributed equally and are considered co-first authors.

## Commentaries

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1. Miller, G. A., **Clayson, P. E.**, & Yee, C. M. (2014). Hunting genes, hunting endophenotypes. *Psychophysiology*, 51, 1329-1330. doi: 10.1111/psyp.12354
2. **Clayson, P. E.**, Kappenman, E. S., Gehring, W. J., Miller, G. A., & Larson, M. J. (2021). A commentary on establishing norms for error-related brain activity during the arrow flanker task among young adults. *NeuroImage*, 234, 117932. doi: 10.1016/j.neuroimage.2021.117932 [[open access](#)]
3. **Clayson, P. E.**, Keil, A., & Larson, M. J. (2022). Open science in human electrophysiology. *International Journal of Psychophysiology*, 174, 43-46. doi: 10.1016/j.ijpsycho.2022.02.002 [[preprint](#)]



## In Principle Acceptance

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1. <sup>RR</sup>**Clayson, P. E.**, Carbine, K. A., McDonald, J. B.\*, & Larson, M. J. (in principle acceptance). A registered report of preregistration practices in studies of event-related potentials (ERPs): A first-look at accessibility, adherence, transparency, and expected replication rates. *Cortex*.
2. <sup>RR</sup>Verona, E., Chen, H.\*, Hall, B.\*, Rocha, H. A.\*, Potts, G., Gaynor, R.\*, Kipras, V.\*, Larson, M. J., Tamnes, C. K., Pfabigan, D. M., Wieser, M. J., Yang, Y.-F., Hilger, K., Stegmann, Y., Senderecka, M., Grabowska, A., Kalamala, P., Alenina, E., Likhanov, M., Zakharov, I., Carbine, K. A., Mushtaq, F., Pavlov, Y. G., & **Clayson, P. E.** (in principle acceptance). Fear, anxiety, and the error-related negativity: A registered report of a multi-site replication study. *Cortex*.
3. <sup>RR</sup>Holbrook, A.\*, Park, B.\*, Rast, P., Light, G. A., & **Clayson, P. E.** (in principle acceptance). Intraindividual variability of event-related potentials in psychosis: A registered report. *Biological Psychiatry: Global Open Science*.
4. <sup>RR</sup>Strzelczyk, D., **Clayson, P. E.**, Sigurdardottir, H. M., Mushtaq, F., Pavlov, Y. G., Devillez, H., Lukashevich, A., Rocha, H. A.\*, Chung, Y. H., Ortego, K. M., Stoermer, V. S., García Alanis, J. C., Löffler, C., Schubert, A.-L., Biel, A. L., Tretow, A., Xu, W., Hämäläinen, J., Lu, Z., Choi, Y. M., Lout, E., Golomb, J. D., Jiang, S., Jones, M., Mizrak, E., von Bastian, C. C., Busch, N. A., Machizawa, M. G., Ngiam, W. X. Q., Vogel, E. K., & Langer, N. (in principle acceptance). Contralateral delay activity as a marker of visual working memory capacity: A multi-site registered replication. *Cortex*. [[preprint](#)]

\*Indicates University of South Florida graduate student

<sup>RR</sup> Indicates a registered report. This is a format where the research questions and methodology undergo peer review prior to data collection. At that stage the manuscript is provisionally accepted. After data collection, the full manuscript then undergoes another peer review and is published if the pre-registered protocol is followed (see <https://cos.io/rr/>). When a Stage 2 Registered Report is under review, it is listed as IPA-under review to reflect that the article has already be accepted in principle, and the journal where the registered report has been accepted is shown.

## Under Review

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1. **Clayson, P. E.** (under review). Beyond single paradigms, pipelines, and outcomes: Embracing multiverse analyses in psychophysiology. [[preprint](#)]
2. <sup>RR</sup>**Clayson, P. E.**, Rocha, H. A.\*, McDonald, J. B.\*, Baldwin, S. A., & Larson, M. J. (IPA-under review). A registered report of a two-site study of variations of the flanker task: ERN experimental effects and data quality. *Psychophysiology*. [[preprint](#)]

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<sup>RR</sup> Indicates a registered report. This is a format where the research questions and methodology undergo peer review prior to data collection. At that stage the manuscript is provisionally accepted. After data collection, the full manuscript then undergoes another peer review and is published if the pre-registered protocol is followed (see <https://cos.io/rr/>). When a Stage 2 Registered Report is under review, it is



listed as IPA-under review to reflect that the article has already be accepted in principle, and the journal where the registered report has been accepted is shown.

#### Conference Paper and Poster Presentations

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1. Markle, T., **Clayson, P. E.**, Ng, R., Johnson, P., & Burlingame, G. M. (2010, Apr). *Effectiveness of recreational therapy among a clinical population at the Utah State Hospital*. Poster presented at the Mary Lou Fulton Conference, Provo, UT.
2. Fair, J. E., **Clayson, P. E.**, & Larson, M. J. (2011, Feb). *Sex differences in cognitive control: The interaction between sex and empathy during error observation*. Poster presented at the 39<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Boston, MA.
3. Clawson, A., **Clayson, P. E.**, South, M., & Larson, M. J. (2011, Feb). *Sex differences in cognitive control: Conflict detection*. Poster presented at the 39<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Boston, MA.
4. **Clayson, P. E.**, South, M., & Larson, M. J. (2011, Feb). *Sex differences in cognitive control: Error-related performance monitoring*. Poster presented at the 39<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Boston, MA.
5. Clawson, A., **Clayson, P. E.**, South, M., & Larson, M. J. (2011, Apr). *Sex differences in cognitive control: Electrophysiological indices of conflict detection*. Poster presented at the Mary Lou Fulton Conference, Provo, UT.
6. Larson, M. J., Farrer, T. J., & **Clayson, P. E.** (2011, Apr). *Cognitive control in mild traumatic brain injury: Conflict detection and resolution*. Poster presented at the Mary Lou Fulton Conference, Provo, UT.
7. Fair, J. E., **Clayson, P. E.**, & Larson, M. J. (2011, Apr). *Sex differences in cognitive control: The interaction between sex and empathy during error observation*. Poster presented at the Mary Lou Fulton Conference, Provo, UT.
8. Clawson, A., **Clayson, P. E.**, Larson, M. J., & South, M. (2011, Apr). *Conflict adaptation in high functioning autism*. Poster presented at the Mary Lou Fulton Conference, Provo, UT.
9. Clawson, A., **Clayson, P. E.**, Johnston, O., Larson, M. J., & South, M. (May, 2011). *Electrophysiological indices of conflict monitoring in autism spectrum disorders*. Poster presented at the International Meeting for Autism Research, San Diego, CA.
10. **Clayson, P. E.**, & Larson, M. J. (2011, Sep) *Conflict adaptation: Effects of repetition priming on neural substrates of cognitive control*. Poster presented at the Society for Psychophysiological Research Conference, Boston, MA.
11. **Clayson, P. E.**, & Larson, M. J. (2011, Sep) *Conflict monitoring and cognitive control: Higher order trial effects*. Poster presented at the Society for Psychophysiological Research Conference, Boston, MA.
12. Larson, M. J., & **Clayson, P. E.** (2011, Sep) *Performance monitoring following conflict: Internal adjustments in cognitive control*. Poster presented at the Society for Psychophysiological Research Conference, Boston, MA.
13. Larson, M. J., & **Clayson, P. E.** (2011, Sep) *Suicide, psychopathology, and performance monitoring: Electrophysiological indices of suicide risk*. Poster presented at the Society for Psychophysiological Research Conference, Boston, MA.

14. Clawson, A., **Clayson, P. E.**, South, M., & Larson, M. J. (2011, Sep) *Conflict adaptation in high functioning autism*. Poster presented at the Society for Psychophysiological Research Conference, Boston, MA.
15. Earl, N., **Clayson, P. E.**, Larson, M. J., & LeCheminant, J. D. (2011, Oct). *Neural response to pictures of food in overweight/obese and normal-weight women*. Poster presented at the 29<sup>th</sup> Annual Scientific Meeting of the Obesity Society. Orlando, FL.
16. **Clayson, P. E.**, Hoskin, J. L., Primosch, M. D., Bergin, S. W., Clawson, A., Steffensen, S. C., & Larson M. J. (2012, Feb). *Effects of dopamine depletion on cognitive control and performance monitoring*. Paper presented at the 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Montreal, Canada.
17. Clawson, A., **Clayson, P. E.**, & Larson M. J. (2012, Feb). *Behavioral and electrophysiological indices of conflict adaptation in individuals with major depressive disorder*. Poster presented at the 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Montreal, Canada.
18. Farrer, T. J., **Clayson, P. E.**, & Larson M. J. (2012, Feb). *Performance monitoring following mild traumatic brain injury: An event-related potential study*. Poster presented at the 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Montreal, Canada.
19. Clawson, A., **Clayson, P. E.**, South, M., & Larson M. J. (2012, Feb). *Cognitive control and conflict adaptation similarities in children and adults*. Poster presented at the 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Montreal, Canada.
20. **Clayson, P. E.**, Hoskin, J. L., Primosch, M. D., Bergin, S. W., Clawson, A., Steffensen, S. C., & Larson M. J. (2012, Feb). *Effects of dopamine depletion on neuropsychological measures of executive functioning*. Poster presented at the 40<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Montreal, Canada.
21. Worsham, M., South, M., **Clayson, P. E.**, & Larson, M. J. (2012, May). *ERP responses to affective pictures in children and adolescents with autism spectrum disorders*. Poster presented at the International Meeting for Autism Research, Toronto, Canada.
22. South, M., Larson, M. J., **Clayson, P. E.**, & White, S. E. (2012, May). *Intact interhemispheric transmission in children and adolescents diagnosed with an ASD*. Paper presented at the International Meeting for Autism Research, Toronto, Canada.
23. South, M., Clawson, A., Bigler, E. D., Kirwan, B., Larson, M. J., & **Clayson, P. E.** (2012, May). *Connecting the dots: Intact interhemispheric transfer in high-functioning ASD*. Paper presented at the International Meeting for Autism Research, Toronto, Canada.
24. **Clayson, P. E.**, Baldwin, S. A., & Larson, M. J. (2012, Sep). *Event-related potential (ERP) amplitude and latency measurement: A simulation based methodological critique*. Poster presented at the Society for Psychophysiological Research, New Orleans, LA.
25. **Clayson, P. E.**, Hoskin, J. L., Primosch, M. D., Bergin, S. W., Clawson, A., Steffensen, S. C., & Larson, M. J. (2012, Sep). *Effects of dopamine depletion on electrophysiological correlates of conflict monitoring and resolution*. Poster presented at the Society for Psychophysiological Research, New Orleans, LA.
26. Larson, M. J., **Clayson, P. E.**, Hoskin, J. L., Primosch, M. D., Bergin, S. W., Clawson, A., & Steffensen, S. C. (2012, Sep). *Effects of dopamine depletion on error-related electrophysiological indices of performance monitoring*. Poster presented at the Society for Psychophysiological Research, New Orleans, LA.

27. Clawson, A., **Clayson, P. E.**, & Larson, M. J. (2012, Sep). *Conflict adaptation processes in anxiety: Implications for psychiatric and non-psychiatric populations*. Poster presented at the Society for Psychophysiological Research, New Orleans, LA.
28. **Clayson, P. E.**, Bachman, P., Nuechterlein, K. H., & Yee, C. M. (2012, Sep). *Absent trial-by-trial modulation of emotional processes in schizophrenia*. Poster presented at the Society for Psychophysiological Research, New Orleans, LA.
29. Hamilton, H. K., **Clayson, P. E.**, Williams, T. J., Nuechterlein, K. H., Gretchen-Doorly, D., Subotnik, K. L., Ventura, J., & Yee, C. M. (2012, Sep). *P50 suppression as a predictor of treatment response to cognitive remediation training in recent-onset schizophrenia*. Poster presented at the Society for Psychophysiological Research, New Orleans, LA.
30. Clawson, A., **Clayson, P. E.**, & Larson, M. J. (2013, Feb). *Dopaminergic influences on performance monitoring across the menstrual cycle*. Poster presented at the 41<sup>st</sup> Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
31. **Clayson, P. E.**, Clawson, A., & Larson, M. J. (2013, Feb). *The effects of dopamine on reinforcement learning across the menstrual cycle: An ERP investigation*. Poster presented at the 41<sup>st</sup> Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
32. Hunt, I., Rackham, D. D., **Clayson, P. E.**, Baldwin, S. A., & Larson, M. J. (2013, Feb). *Cognitive control and performance monitoring in adult Major Depressive Disorder: A meta-analysis*. Poster presented at the 41<sup>st</sup> Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
33. Bjornn, D. K., Fair, J. E. **Clayson, P. E.**, McDonnel, Z. J., & Larson, M. J. (2013, Feb). *Emotion-related conflict adaptation in generalized anxiety disorder*. Poster presented at the 41<sup>st</sup> Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
34. Larson, M. J., **Clayson, P. E.**, Hedges, D. W., Call, V. R., & Nielsen, B. L. (2013, Feb). *Cognitive control and conflict adaptation in healthy older adults: An electrophysiological investigation*. Paper presented at the 41<sup>st</sup> Annual Meeting of the International Neuropsychological Society, Waikoloa, HI.
35. **Clayson, P. E.**, Bachman, P., Nuechterlein, K. H., Subotnik, K. L., Ventura, J., & Yee, C. M. (2013, Apr). *Affective picture processing and arousal in schizophrenia: An ERP analysis*. Poster presented at the International Congress for Schizophrenia Research, Orlando, FL.
36. **Clayson, P. E.**, Hamilton, H. K., Umekubo, K. A., Owens, E. M., Bradley, M. M., Lang, P. J., Bachman, P., Subotnik, K. L., Nuechterlein, K. H., & Yee, C. M. (2013, Oct). *Emotional enhancement of declarative memory in schizophrenia patients indexed by the late positive potential*. Poster presented at the Society for Psychophysiological Research, Florence, Italy.
37. Hunt, I. J., **Clayson, P. E.**, Farrer, T. J., Jones, R., Bigler, E., & Larson, M. J. (2014, Feb). *Interhemispheric transfer time in chronic mild traumatic brain injury*. Poster presented at the 42<sup>nd</sup> Annual Meeting of the International Neuropsychological Society, Seattle, WA.
38. Jivanai, S., Hunt, I. J., **Clayson, P. E.**, Farrer, T. J., Jones, R., & Larson, M. J. (2014, Feb). *Differences in interhemispheric transfer time across the corpus callosum due to emotional valence of stimuli*. Poster presented at the 42<sup>nd</sup> Annual Meeting of the International Neuropsychological Society, Seattle, WA.
39. **Clayson, P. E.**, Clawson, A., & Larson, M. J. (2014, Feb). *Cognitive control processes in generalized anxiety disorder: Sex differences in error-related performance monitoring indices*. Poster presented at the 42<sup>nd</sup> Annual Meeting of the International Neuropsychological Society, Seattle, WA.

40. Clawson, A., **Clayson, P. E.**, Worsham, W., Johnston, O., South, M., & Larson, M. J. (2014, Feb). *Watching others: Cognitive control during observation in autism*. Poster presented at the 42<sup>nd</sup> Annual Meeting of the International Neuropsychological Society, Seattle, WA.
41. **Clayson, P. E.**, Clawson, A., & Larson, M. J. (2014, Feb). *Cognitive control processes in major depressive disorder: Sex differences in error-related performance monitoring indices*. Poster presented at the 42<sup>nd</sup> Annual Meeting of the International Neuropsychological Society, Seattle, WA.
42. Larson, M. J., **Clayson, P. E.**, & Baldwin, S. A. (2014, Sep). *How dependable are electrophysiological indices of performance monitoring (ERN, Pe) in a clinical sample? A generalizability and decision theory analysis*. Poster presented at the 54<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Atlanta, GA.
43. Clawson, A., **Clayson, P. E.**, & Larson, M. J. (2014, Sep). *Cognitive control across the lifespan: An investigation of the ERN, N2, and Pe*. Poster presented at the 54<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Atlanta, GA.
44. **Clayson, P. E.** & Larson M. J. (2014, Sep). *The association between error-related performance monitoring, demographics, negative affect, and behavior: An SEM analysis in 792 individuals*. Poster presented at the 54<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Atlanta, GA.
45. Owens, E. M., Hamilton, H. K., **Clayson, P. E.**, Sholty, G. L., Subotnik, K. L., Ventura, J., Miller, G. A., Nuechterlein, K. H., & Yee, C. M. (2014, Sep). *The impact of psychosocial stress on P50 and N100 in patients with schizophrenia and healthy controls*. Poster presented at the 54<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Atlanta, GA.
46. Jasperse, L. J., **Clayson, P. E.**, Hamilton, H. K., Owens, E. M., Bachman, P., Subotnik, K. L., Ventura, J., Nuechterlein, K. H., & Yee, C. M. (2014, Sep). *Working memory performance during the n-back task in schizophrenia: A validation study of the N200 as an index of working memory*. Poster presented at the 54<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Atlanta, GA.
47. Carbine, K., Clawson, A., Fair, J. E., **Clayson, P. E.**, Hunt, I., Baldwin, S. A., & Larson, M. J. (2015, Feb). *A comparison of neuropsychological functioning in major depressive disorder, generalized anxiety disorder, obsessive compulsive disorder, and healthy controls*. Poster presented at the 43<sup>rd</sup> Annual Meeting of the International Neuropsychological Society, Denver, CO.
48. **Clayson, P.E.**, Hoskin, J., Primosch, M., Bergin, S.W., Clawson, A., Steffensen, S., Leyton, M., & Larson, M.J. (2015, Feb). *Effects of dopamine precursor depletion on feedback-related performance monitoring*. Poster presented at the 43<sup>rd</sup> Annual Meeting of the International Neuropsychological Society, Denver, CO.
49. Larson, M. J., Weissman, D., Kirwan, C. B., & **Clayson, P. E.** (2015, Sep). *Event-related potential (ERP) indices of control-driven congruency sequence effects*. Poster presented at the 55<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Seattle, WA.
50. Jasperse, L. J., Lake, J. I., **Clayson, P. E.**, Hamilton, H. K., Bachman, P., Subotnik, K. L., Ventura, J., Nuechterlein, K. H., Miller, G. A., & Yee, C. M. (2015, Sep). *Impact of psychosocial stress on working memory and P300 in schizophrenia*. Poster presented at the 55<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Seattle, WA.
51. **Clayson, P. E.**, Hamilton, H. K., Jasperse, L. J., Bradley, M. M., Lang, P. J., Bachman, P., Subotnik, K. L., Ventura, J., Miller, G. A., Nuechterlein, K. H., & Yee, C. M. (2015, Sep).

- Recognition memory for affective images in schizophrenia.* Poster presented at the 55<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Seattle, WA.
52. **Clayson, P. E.** (2016, Sep). *A Bayesian approach to evaluating the psychometric properties of ERP measurements: The ERP Reliability Analysis Toolbox.* Poster presented at the 56<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Minneapolis, MN.
  53. Lake, J. I., **Clayson, P. E.**, Hamilton, H. K., Bachman, P., Jasperse, L. J., Miller, G. A., Subotnik, K. L., Ventura, J., Nuechterlein, K. H., & Yee, C. M. (2016, Sep). *Psychosocial stress impairs working memory performance in patients with schizophrenia.* Paper presented at the 56<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Seattle, WA.
  54. Reed, A., Lake, J. I., Hamilton, H. K., Bachman, P., **Clayson, P. E.**, Miller, G. A., Subotnik, K. L., Nuechterlein, K. H., & Yee, C. M. (2017, Mar). *Cortisol response to psychosocial stress and working memory performance in schizophrenia.* Paper presented at the International Congress for Schizophrenia Research, San Diego, CA.
  55. Reed, A. C., Lake, J. I., Hamilton, H. K., Bachman, P., **Clayson, P. E.**, Miller, G. A., Subotnik, K. L., Ventura, J., Nuechterlein, K. H., & Yee, C. M. (2017, Oct). *Dysregulated cardiac and HPA reactivity to psychosocial stress in schizophrenia.* Poster presented at the 57<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Vienna, Austria.
  56. **Clayson, P. E.**, Yee, C. M., & Miller, G. A. (2017, Oct). *The role of dorsal anterior cingulate cortex in social exclusion: Evidence from a modified cyberball paradigm.* Poster presented at the 57<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Vienna, Austria.
  57. Larson, M.J., Davis, T., Moderzitsky, E., Hunt, I., Alder, N., **Clayson, P. E.**, Farrer, T., & Bigler, E. (2017, Oct). *Concussion and ERP indices of inter-hemispheric transfer across the corpus callosum: A potential marker for concussion diagnosis and recovery.* Poster presented at the 57<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Vienna, Austria.
  58. Reed, A. C., Lake, J. I., Hamilton, H. K., Bachman, P., **Clayson, P. E.**, Miller, G. A., Subotnik, K. L., Ventura, J., Nuechterlein, K. H., & Yee, C. M. (2017, Oct). *Dysregulated cardiac and HPA reactivity to psychosocial stress in schizophrenia.* Poster presented at the 57<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Vienna, Austria.
  59. **Clayson, P. E.**, Iglesias, J., Ghazarian, S. K., Wynn, J. K., Infantolino, Z. P., Hajcak, G., Green, M. F., & Horan, W. P. (2018, Sep). *Abnormal certainty processing in schizophrenia: An ERP study.* Poster presented at the 32<sup>nd</sup> Annual Meeting of the Society for Research in Psychopathology, Indianapolis, IN.
  60. Lanser, I., Lake, J. I., Hamilton, H. K., **Clayson, P. E.**, Bradley, M. M., Lang, P. J., Bachman, P., Miller, G. A., Subotnik, K. L., Ventura, J., Nuechterlein, K. H., & Yee, C. M. (2018, Oct). *Cardiac responses associated with enhanced recollection memory in individuals with schizophrenia.* Poster presented at the 58<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Quebec City, Canada.
  61. **Clayson, P. E.**, Wynn, J. K., Green, M. F., & Horan, W. P. (2018, Oct). *Cognitive correlates of performance monitoring ERPs in schizophrenia.* Poster presented at the 58<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Quebec City, Canada.
  62. McCleery, A., Wynn, J. K., Reavis, E., Roach, B., **Clayson, P. E.**, Wein, R., Humble, J., Mathalon, D., & Green, M. F. (2019, Sep). *Parsing elements of auditory predictive coding in schizophrenia with roving standard mismatch negativity.* Poster presented at the 33<sup>rd</sup> Annual Meeting of the Society for Research in Psychopathology, Buffalo, NY.

63. **Clayson, P. E.**, Szewczyk, W., Wu, E., Iglesias, J., Ghazarian, S., Wynn, J. K., Green, M. F., & Horan, W. P. (2019, Sep). *Intact responses to socially relevant emotional images in probands with psychosis and their siblings: An event-related potential study*. Poster presented at the 33<sup>rd</sup> Annual Meeting of the Society for Research in Psychopathology, Buffalo, NY.
64. Wynn, J. K., **Clayson, P. E.**, Green, M. F., Lee, J., Ghazarian, S., Iglesias, J., Szewczyk, W., Wu, W. & Horan, W. P. (2019, Sep). *Intact responses to socially relevant emotional images in probands with psychosis and their siblings: An event-related potential study*. Poster presented at the 33<sup>rd</sup> Annual Meeting of the Society for Research in Psychopathology, Buffalo, NY.
65. **Clayson, P. E.** (2019, Sep). *Opening the psychophysiologicalist's notebook and tools as a path to methods reproducibility*. Paper presented at the 59<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Washington D.C..
66. **Clayson, P. E.**, & Larson, M. J. (2019, Sep). *Methodological rigor and multi-site replications in psychophysiology: Challenges and recommendations*. Paper presented at the 59<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Washington D.C..
67. Carbine, K. A., **Clayson, P. E.**, Baldwin, S. A., & Larson, M. J. (2019, Sep). *Sample sizes, sample size calculations, and statistical power in ERP research: Concerns and barriers for replicability*. Paper presented at the 59<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Washington D.C..
68. **Clayson, P. E.**, Carbine, K. A., Baldwin, S. A., & Larson, M. J. (2019, Sep). *Methodological reporting guidelines for ERP studies: Reporting rates and role in reproducibility and replicability*. Paper presented at the 59<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Washington D.C..
69. Moser, J., **Clayson, P. E.**, Muir, A., Allen, W., Modersitzki, E., Louis, C., Umemoto, A., Inzlicht, M., & Larson, M. J. (2019, Sep). *A preliminary report on a multi-site effort to replicate the association between worry and enlarged action monitoring brain potentials (Moser et al., 2012)*. Paper presented at the 59<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Washington D.C..
70. Wynn, J. K., **Clayson, P. E.**, Wien, R., Humble, J., Green, M. F., & Horan, W. P. (2019, Dec). *Evidence for intact neural responses of the social approach and avoidance systems in people with psychotic disorders and their unaffected siblings: An event-related potential study*. Poster presented at the Annual Meeting of the American College of Neuropsychopharmacology, Orlando, FL.
71. **Clayson, P. E.**, Wynn, J. K., Green, M. F., & Horan, W. P. (2020, Sep). *An examination of single-trial late positive potentials to socially-relevant images in probands with psychosis, their siblings, and controls: A multilevel modeling approach*. Poster planned to be presented at the 60<sup>th</sup> Annual Meeting of the Society for Psychophysiological Research, Vancouver, Canada. [Cancelled due to COVID-19]
72. Jimenez, A. M., Lee, J., Reavis, E., Wynn, J. K., **Clayson, P. E.**, Green, M. F., & Horan, W. P. (2021, Apr). *Social brain responsivity during a teams-based game in patients with psychosis spectrum disorders: An fMRI study*. Poster presented at the 2021 Congress of the Schizophrenia International Research Society, virtual meeting.
73. Jimenez, A. M., Lee, J., Reavis, E., Wynn, J. K., **Clayson, P. E.**, Green, M. F., & Horan, W. P. (2021, Apr). *An fMRI study of social brain responsivity during a team-based game in patients*

- with psychosis spectrum disorders*. Poster presented at the 2021 Society for Biological Psychiatry, virtual meeting.
74. Larson, M. J., **Clayson, P. E.**, Carbine, K. A., & Rocha, H.\* (2021, Sep). *Increasing the rigor, reproducibility, and impact of psychophysiology research: Power, pipelines, reliability, and open access advantages*. Symposium at the 20<sup>th</sup> World Congress of Psychophysiology, virtual meeting.
  75. Carbine, K. A., **Clayson, P. E.**, Baldwin, S. A., Larson, M. J. (2021, Sep). *Small sample sizes and low statistical power: Barriers, concerns, and contradictions in EEG/ERP research*. Symposium at the 20<sup>th</sup> World Congress of Psychophysiology, virtual meeting.
  76. Rocha, H. A.\* , **Clayson, P. E.**, Baldwin, S. A., Larson, M. J. (2021, Sep). *The event-related potential (ERP) data-processing multiverse: Quantifying the impact of data-processing decisions to improve replicability*. Symposium at the 20<sup>th</sup> World Congress of Psychophysiology, virtual meeting.
  77. **Clayson, P. E.** (2021, Sep). *Open science practices for studies of event-related potentials (ERPs): Reporting ERP reliability and data quality in the spirit of transparency*. Symposium at the 20<sup>th</sup> World Congress of Psychophysiology, virtual meeting.
  78. Larson, M. J., **Clayson, P. E.**, & Baldwin, S. A. (2021, Sep). *Benefits of open and transparent publication practices in human electrophysiology research: There is an open access advantage*. Symposium at the 20<sup>th</sup> World Congress of Psychophysiology, virtual meeting.
  79. **Clayson, P. E.**, Wynn, J. K., Green, M. F., & Horan, W. P. (2021, Oct). *An examination of single-trial late positive potentials to socially-relevant images in probands with psychosis, their siblings, and controls: A multilevel modeling approach*. Paper presented at the 61<sup>st</sup> Annual Meeting of the Society for Psychophysiological Research, virtual meeting.
  80. **Clayson, P. E.**, Baldwin, S. A., Rocha, H.\* , & Larson, M. J. (2021, Oct). *A data-processing multiverse analysis of event-related potentials (ERPs): Implications for ERP reliability, data quality, and experimental effects*. Paper presented at the 61<sup>st</sup> Annual Meeting of the Society for Psychophysiological Research, virtual meeting.
  81. Lutz, M., Baldwin, S. A., Franken, I., Larson, M. J., & **Clayson, P. E.** (2022, Sep). *Relationship between within-person differences in error-related negativity and error positivity and correct-trial response-time means and variations in healthy participants*. Poster presented at the 62<sup>nd</sup> Annual Meeting of the Society for Psychophysiological Research, Vancouver, Canada.
  82. Rocha, H.\* , **Clayson, P. E.**, Baldwin, S. A., Rast, P., & Larson, M. J. (2022, Sep). *High intraindividual variability of ERN scores across healthy control and psychopathology groups*. Poster presented at the 62<sup>nd</sup> Annual Meeting of the Society for Psychophysiological Research, Vancouver, Canada.
  83. Molina, J., Raza, M., Miyakoshi, M., Joshi, Y., **Clayson, P. E.**, Swerdlow, N., Light, G., & Sivarao, D. (2022, Dec). *Steady state and harmonic responses: Cross-species similarities and differential responses to the NMDA antagonist, memantine*. Poster presented at the 61<sup>st</sup> Annual Meeting of the American College of Neuropsychopharmacology, Arizona, USA.
  84. Larson, M. J., & **Clayson, P. E.** (2023, Jun). *Influences of in vivo and ex vivo forces on cognitive control functions*. Symposium at the 21<sup>st</sup> World Congress of Psychophysiology, Switzerland.
  85. **Clayson, P. E.**, Corbin, E. M., Jaggi, T., Alder, N., Clawson, A., Farrer, T., Bigler, E. D., & Larson, M. J. (2023, Jun). *Performance-monitoring aspects of cognitive control remain intact following mild traumatic brain injury (concussion) at one-month and ten-month follow ups*. Paper presented at the 21<sup>st</sup> World Congress of Psychophysiology, Switzerland.



86. Park, B.\*, Carcamo, A.\*\*, Tsang, S.\*\*, Jensen, T., Wu, K., Baldwin, S. A., Larson, M. J., & **Clayson, P. E.** (2023, Sep). *Relationship between error-related negativity and internalizing-externalizing symptoms: A structural equation modeling approach*. Poster presented at the 63<sup>rd</sup> Annual Meeting of the Society for Psychophysiological Research, Louisiana, USA.
87. Rocha, H.A.\*, Balls, N., Cheriyan, P.\*\*, Froozan, K.\*\*, Hancock, M., Kota, P.\*\*, Monson, C., Baldwin, S. A., Larson, M. J., & **Clayson, P. E.** (2023, Sep). *Differences in N2 correlations with internalizing and externalizing symptoms across Stroop and flanker tasks*. Poster presented at the 63<sup>rd</sup> Annual Meeting of the Society for Psychophysiological Research, Louisiana, USA.
88. Shuford, J. L.\*\*, Krzykowski, S.\*\*, Olpin, K., Smith, C.\*\*, Thakurdesai, S.\*\*, Wheeler, A., Baldwin, S. A., Larson, M. J., & **Clayson, P. E.** (2023, Sep). *Task moderates relationship between N2 conflict monitoring, worry, and anhedonia*. Poster presented at the 63<sup>rd</sup> Annual Meeting of the Society for Psychophysiological Research, Louisiana, USA.
89. Holbrook, A.\*, Halperin, Z.\*\*, Hartwell, B., Hopkins, R., LaLiberte, E.\*\*, Runia, B., Baldwin, S. A., Larson, M. J., & **Clayson, P. E.** (2023, Sep). *Relationship between anxious apprehension, anhedonia, and error positivity across flanker, Stroop, and go/no-go tasks*. Poster presented at the 63<sup>rd</sup> Annual Meeting of the Society for Psychophysiological Research, Louisiana, USA.
90. **Clayson, P. E.** (2023, Sep). *Reevaluating psychophysiology: The imperative of psychometric rigor*. Invited Address presented at the 63<sup>rd</sup> Annual Meeting of the Society for Psychophysiological Research, Louisiana, USA.
91. **Clayson, P. E.** (2023, Sep). *Rise and impact of open access: Citation advantage for studies of psychophysiology*. Invited Address presented at the 63<sup>rd</sup> Annual Meeting of the Society for Psychophysiological Research, Louisiana, USA.
92. **Clayson, P. E.** (2023, Oct). *The data-processing multiverse of event-related potentials: Optimizing pipelines for experimental effects, data quality, and internal consistency*. Invited Address presented at the 2023 Worldwide CuttingGarden Meeting for the CuttingEEG Association.

\*Indicates University of South Florida graduate student

\*\*Indicates University of South Florida undergraduate student/post-bacc

#### Software

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1. **Clayson, P. E.** (2016-2023). ERP Reliability Analysis Toolbox [Computer software]. Deposited at [https://github.com/peclayson/ERA\\_Toolbox](https://github.com/peclayson/ERA_Toolbox).

#### Open Datasets

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1. **Clayson, P. E.**, & Larson, M. J. (2023). Registered replication report of ERN/Pe psychometrics. OpenNeuro. [Dataset] doi: 10.18112/openneuro.ds004602.v1.0.0
2. **Clayson, P. E.**, & Larson, M. J. (2023). Registered report of ERN during three versions of a flanker task. OpenNeuro. [Dataset] doi: 10.18112/openneuro.ds004883.v1.0.0

#### Editorial Experience

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**Associate Editor:** *International Journal of Psychophysiology* (2020 – current)  
*Psychophysiology* (2023 – current)

**Ad Hoc Reviewer:** *Biological Psychology; Cerebral Cortex; Cognitive, Affective, and Behavioral Neuroscience; Comprehensive Psychiatry; Computational Psychiatry; Frontiers in Psychiatry; International Journal of Psychophysiology; Journal of Abnormal Psychology; Nature: Human Behavior; NeuroImage; NeuroImage: Clinical; NeuroImage: Reports; Neuropsychologia; Neuroscience; PLoS ONE; Psychiatry Research: Neuroimaging; Psychometrika; Psychonomic Bulletin & Review; Psychophysiology; Psychotherapy Research; Scientometrics; Social Cognitive and Affective Neuroscience; Schizophrenia Bulletin; Scientific Reports; Scientometrics*

#### Invited Lectures

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- 2023 Psychometric Reliability in Studies of Psychophysiology, Center for the Study of Emotion and Attention, University of Florida, Gainesville, Florida
- 2022 Considerations and Implications of Open Science for Studies of Human Electrophysiology: The Benefits of Adopting Open Science Practices, Leibniz Research Centre for Working Environment and Human Factors, Dortmund, Germany
- 2022 Self-Serving Incentives of Open Science: The Long-Term Selfish Benefits of Embracing Open Science, Chinese Open Science Network
- 2021 The Role of Psychometric Reliability in Individual Differences Research: Implications for Cognitive Neuroscience, University of Iowa, Iowa City, Iowa
- 2019 Event-Related Brain Potentials (ERPs) as Transdiagnostic Measures of Cognitive Control, University of California – Los Angeles, Los Angeles, California
- 2018 ERP Score Reliability: An Emphasis on Generalizability Theory, Brigham Young University, Provo, Utah

#### Teaching Experience

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**Courses:** Clinical Supervision, University of South Florida  
Undergraduate Research Methods, University of South Florida  
Open Science Graduate Seminar, University of South Florida

#### Membership and Affiliations

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**Member:** CuttingEEG Association  
International Organization of Psychophysiology (IOP)  
Society of Biological Psychiatry  
Society for Psychophysiological Research (SPR)

Society for Research in Psychopathology

**Committee Service:** Member, SPR Education and Training Committee (2020 – 2022)  
Chair, SPR Education and Training Committee (2023 – current)  
Member, IOP Board of Directors (2023 – current)