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| 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)<br>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,<br>British Neuroscience Association     |
| 2023 | Award for Distinguished Early Career Contributions to Psychophysiology,<br>Society for Psychophysiological Research |
| 2011 | Student Travel Award, Society for Psychophysiological Research  |
| 2011 | Department of Psychology Poster Winner: Mary Lou Fulton Mentor Research<br>Conference, Brigham Young University     |
| 2010 | BYU Choose to Give Opportunity Fund Travel Award, Brigham Young<br>University                                       |

#### Publications

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1. Larson, M. J., S1.

6. **Clayson, P. E.**

- 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-



- 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



## 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>

listed as IPA-under review to reflect that the article has already be accepted in principle, and the









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.







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)