

# Peter E. Clayson

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## Current Position

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**Assistant Project Scientist**, Step III, Department of Psychiatry and Biobehavioral Sciences, David Geffen School of Medicine, University of California, Los Angeles, Los Angeles, CA (2017 - current)

## Education

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

**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

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

## Funding

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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) DGE-1144087
2012	Graduate Summer Research Mentorship Fellowship (\$6,000)
2011-2012	UCLA Distinguished Graduate Fellowship (\$50,947)

## Awards

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2011	Student Travel Award: Society for Psychophysiological Research (\$500)
2011	Department of Psychology Poster Winner: Mary Lou Fulton Mentor Research Conference, 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. Clawson, A., **Clayson, P. E.**, South, M., Bigler, E. D., & Larson, M. J. (2013). 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

14. **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
15. 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
16. 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
17. 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
18. **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
19. **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
20. 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
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. (in press). Methodological reporting behavior, sample sizes, and statistical power in studies of event-related potentials: Barriers to reproducibility and replicability. *Psychophysiology*. doi: 10.1111/psyp.13437 [preprint]
32. **Clayson, P. E.**, Wynn, J. K., Infantolino, Z. P., Hajcak, G., Green, M. F., & Horan, W. P. (in press). Reward processing in certain vs. uncertain contexts in schizophrenia: An ERP study. *Journal of Abnormal Psychology*.
33. <sup>RR</sup>**Clayson, P. E.**, Carbine, K. A., & Larson, M. J. (provisionally accepted). Error-related negativity and reward positivity as biomarkers of depression: P-curving the evidence. *International Journal of Psychophysiology*.

<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/>).

#### 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

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

#### Commentary

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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

## 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.**, McDonnell, 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*. Paper 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..

## Software

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1. **Clayson, P. E.** (2016-2019). ERP Reliability Analysis Toolbox [Computer software]. Deposited at [https://github.com/peclayson/ERA\\_Toolbox](https://github.com/peclayson/ERA_Toolbox).

## Clinical Experience

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### Postdoctoral Fellow

Aug 2017-current

*Desert Pacific Mental Illness Research, Education, and Clinical Center  
VA Greater Los Angeles Healthcare System*

Supervisors: Michael Green, PhD, Robert Kern, PhD, William Horan, PhD

### Psychology Intern

Jul 2016-Jul 2017

*Central Texas Veteran's Health Care System*

Supervisors: Andrew Cook, PhD, Erin Andrews, PsyD, ABPP

<b>Psychology Practicum Trainee</b> <i>UCLA Aftercare Program</i> Supervisor: Amanda McCleery, PhD	Jul 2015-Jun 2016
<b>Advanced Therapist</b> <i>UCLA Psychology Clinic – Severe Mental Illness Track</i> Supervisor: Kristopher I. Mathis, PhD	Feb 2015-Dec 2015
<b>Psychoeducational Assessment Supervisor</b> <i>UCLA Psychology Clinic</i> Supervisor: Eric Miller, PhD, ABAP	Jan 2015-Jul 2015
<b>Psychology Practicum Trainee</b> <i>UCLA Medical Psychology Assessment Center</i> Supervisors: Delany Thrasher, PhD, ABAP, Michelle Reinlieb, PhD, Christine You, PhD	Jul 2014-Jun 2015
<b>Psychology Extern/Therapist</b> <i>UCLA Counseling and Psychological Services</i> Supervisors: Amanda di Bartolomeo, PhD, Bonnie Zucker, PhD	Aug 2013-Jun 2014
<b>Neuropsychological Assessor</b> <i>UCLA Center for the Assessment and Prevention of Prodromal States</i> Supervisor: Carrie Bearden, PhD	Jul 2012-Jun 2013
<b>Therapist</b> <i>UCLA Psychology Clinic</i> Supervisor: Janice Jones, PhD	Jul 2012-Jun 2013
<b>Intake Interviewer</b> <i>UCLA Psychology Clinic</i> Supervisor: Constance Hammen, PhD	Jul 2012-Jun 2013
<b>Psychoeducational Assessor</b> <i>UCLA Psychology Clinic</i> Supervisor: Eric Miller, PhD, ABAP	Jan 2012-Aug 2012

#### Editorial Experience

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**Ad Hoc Reviewer:** *Cerebral Cortex, International Journal of Psychophysiology, Journal of Abnormal Psychology, NeuroImage: Clinical, Neuropsychologia, Neuroscience, PLoS ONE, Psychiatry Research: Neuroimaging, Psychonomic Bulletin & Review, Psychophysiology, Psychotherapy Research, Schizophrenia Bulletin, Scientific Reports*

#### Invited Lectures

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2018

ERP Score Reliability: An Emphasis on Generalizability Theory, Brigham Young University, Provo, UT

### Teaching Experience

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**Teaching Assistant:** Fieldwork in Psychology, Graduate Clinical Psychological Methods, Introduction to Psychology, Psychological Statistics, Psychological Testing

### Membership and Affiliations

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**Member:** Society for Improving Psychological Science  
Society for Psychophysiological Research  
Society for Research in Psychopathology