**DAVID A. PARKER**  
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**EDUCATION**

2013-2019 M.S., Ph.D. University of Georgia   
(in progress) Psychology, Behavior and Brain Sciences Program  
 Advisor: Brett A. Clementz, Ph.D.

2008-2012 B.A./B.A. University of Georgia  
 Philosophy  
 Cognitive Science

**PUBLICATIONS**  
Hamm, J.P., Bobilev, A.E., Hayrynen, L.K., Hudgens-Haney, M.E, Oliver, W.T., **Parker, D.A.,** McDowell, J.E., Buckley, P.A, Clementz, B.A. *Stimulus train duration moderates gamma-band auditory neural entrainment abnormalities in schizophrenia.* **In Press at Schizophrenia Research**

**MANUSCRIPTS IN PREPARATION**

**Parker, D.A**., McDowll, J.E., Keshavan, M.S., Tamminga, C.A., Pearlson, G.D., Clementz, B.A. *40 Hz Auditory Steady-State Response distinguishes Bipolar Disorder with and without Psychosis. (Expected completion date: Spring 2017)*

**Parker, D.A**., Hamm J.P., McDowell, J.E., Clementz, B.A. *Neural Investigations of Pre- stimulus activity during “GAP” paradigms. (Expected completion date: Spring 2017)*

Hudgens-Haney, M.E.**\*,** **Parker, D.A.\*,** Oliver, W.T., Hayrynen, L.K., Bobilev, A.M., Buckley, P.F., McDowell, J.E., Clementz, B.A. *Simultaneous M/EEG recording of Pre- stimulus attention and cognitive control in SZ. (\*=Co-first authors, expected completion date: Summer 2017)*

**FUNDING AND AWARDS**

2016 Poster Award, Society for Psychophysiology Annual Conference ($300)  
2016-2018 Franklin Foundation Neuroimaging Fellowship Award:  
 -24 months of Graduate Research Assistantship support (22% time)  
 -$3500 in research funds (Annually)  
 - $1000 travel funds (Annually)   
2016 Franklin Foundation Travel Award ($1200)  
2016 1st Place Paper Presentation, UGA Psi Chi Annual Convention  
2015 Michael H. Kernis Research Award: Best Presentation,   
 Behavioral & Brain Sciences Program, Department of Psychology   
2015 Franklin Foundation Travel Award ($1200)  
2013 Franklin Foundation Travel Award ($1500)  
2012 Center for Undergraduate Research Opportunities Summer Research Fellowship ($3000)   
2012 Daniel S. Hart Scholarship to Outstanding Undergraduate- UGA Philosophy Department ($1000)   
2008-12 HOPE Scholarship (Full tuition Scholarship)

**ORAL PRESENTATIONS**

**Parker, D.A.,** Kittle, F, McDowell, J.E, Sweeney, J.A., Keshavan, M.S., Tamminga, C.A., Pearlson, G.D, Clementz, B.A (2017). Investigation of the Auditory Steady-State Response in Schizophrenia, Schizoaffective, Psychotic and Non-Psychotic Bipolar Disorders. Talk to be presented at the **16th International Congress on Schizophrenia Research.**

**Parker, D.A.,** Hudgens-Haney, M.E.**,** Oliver, W.T., Hayrynen, L.K., Bobilev, A.M., Buckley, P.F., Clementz, B.A, McDowell, J.E.,.(2017). Measuring the Brain Before it acts: How Pre-Stimulus Neural Activity Shapes Cognitive Control in High and Low Working Memory Groups. Talk to be presented at **Southeastern Psychological Association** annual conference by **The Society for Experimental Psychology and Cognitive Sciences conference** (Symposium on Executive Control and Its Disorders)**.**

**Parker, D.A.,** Hudgens-Haney, M.E., McDowell, J.E., Sabatinelli, D.,Keshavan, M.S., Tamminga, C.A., Pearlson, G.D, Clementz, B.A (2016). Multivariate Discrimination of Neural Processing in Bipolar Disorder with or without Psychosis: Findings from the Bipolar & Schizophrenia Network on Intermediate Phenotypes. Talk presented at **Society of Biological Psychiatry** Annual Meeting.

**Parker, D.A.,** Hudgens-Haney, M.E., McDowell, J.E., Sabatinelli, D.,Keshavan, M.S., Tamminga, C.A., Pearlson, G.D, Clementz, B.A (2016). Divergent neural processing in Bipolar Disorder with or without psychosis. Talk presented at 39th Annual **Psi Chi** Convention at UGA.

**Parker, D.A.,** Hudgens-Haney, M.E., Oliver, W.T., Hayrynen, L.K., Kinght, J.B., Bobilev, A.M., Hamm, J.P, Arkin, S.C, Buckley, P.F., McDowell, J.E., Clementz, B.A. (2015). Reduced Steady-State Phase Synchronization during a Cognitive Control task. Talk presented at the **15th International Congress on Schizophrenia Research.**

**Parker, D.A**., Hamm J.P., McDowell, J.E., Clementz, B.A. (2013) Pre-trial alpha band dynamics affect saccadic reaction times as a function of temporal expectancy. Talk presented at the nanosymposum on Functional Mechanisms of Attention at **the Society for Neurosciences** Annual Conference.

**POSTERS**

Schneider, Z, **Parker, D.A.,** Kittle, F McDowell, J.E, Sweeney, J.A., Keshavan, M.S., Tamminga, C.A., Pearlson, G.D, Clementz, B.A (2017). Investigation of the Visual Steady-State Response in Schizophrenia, Schizoaffective, Psychotic and Non-Psychotic Bipolar Disorders. Poster presented at the **16th International Congress on Schizophrenia Research.**

Huang, L.-Y., **Parker,D.A,** Hill, S.K., Sweeney, J.A., Pearlson, C.A.,Tamminga,C.A., Keshavan, M.S., Clementz,B.A. (2016). Frontal Neural Dysfunction Implicated in Executive Inflexibility in Psychosis. Poster to be presented at Society for Neurosciences Annual conference.

**Parker, D.A.**, McDowell, J.E., Sabatinelli, D.,Keshavan, M.S., Tamminga, C.A., Pearlson, G.D, Clementz, B.A (2016). Auditory Steady-State Response in Bipolar Disorder with or without Psychosis: Findings from the Bipolar & Schizophrenia Network on Intermediate Phenotypes. Poster to be presented at **Society of Psychophysiological Research** Annual Meeting.

Hart, R.,Bobilev, A., Oliver, W., Hudgens-Haney, M., Hayrynen, L., **Parker, D.A.,** Buckley, P., McDowell, J. & Clementz, B.A. (2015). Resting state oscillatory activation associated with schizophrenia and high and low cognitive control. Poster presented at **Society for Neuroscience** annual conference.

Oliver, W., Hamm, J., Bobilev, A., Hudgens-Haney, M., Hayrynen, L., **Parker, D.A,** Hart, R., Buckley, P., Sweeney, J., McDowell, J., & Clementz, B. (2015) Neural oscillatory patterns during sustained visual attention task in schizophrenia and high/low cognitive control. Poster presented at the **Society for Psychophysiological Research** Annual Meeting.

**Parker, D.A.,** Hudgens-Haney, M.E., Oliver, W.T., Hayrynen, L.K., Kinght, J.B., Bobilev, A.M.,   
 Hamm, J.P, Arkin, S.C, Buckley, P.F., McDowell, J.E., Clementz, B.A. (2014). Alpha   
 band dynamics in Schizophrenia during an ocular motor inhibition task. Poster  
 presented at **Society for Psychophysiological Research** Annual Conference.  
  
Arkin, S., Bobilev, A., Rodrigue, A., Oliver, W., Hudgens-Haney, M., Schaeffer, D., Hayrynen, L., Hamm, J., **Parker, D.A.,** Weinberger, A., McDowell, J., & Clementz, B.A. (2014) Resting state neural activity analysis between schizophrenia patients and high and low working memory capacity controls via EEG and fMR techniques. Poster presented at BIRC SEC mini-conference, Athens, GA.

**UNDERGRADUATE PRESENTATIONS**

**Parker, D.A.,** Hamm J.P., Clementz, B.A. McDowell, JE. (2013) Investigating the GAP effect in the Generation of Express Saccades. Talk presented at the **Center for Undergraduate Research Opportunities** Symposium at the University of Georgia.   
  
**Parker, D.A.,** Schaefer, D. J., McDowell, JE. (2012)The effects of Volume Removal on Fractional Anisotropy. Talk and Poster presented at the **Center for Undergraduate Research Opportunities** Symposium at the University of Georgia.   
  
**Parker, D.A.** (2011) Is Embodied Cognition an Alternative Theory of Cognition? Talk Presented at the **Classic City Undergraduate Philosophy Conference** at University of Georgia.

**EXPERIENCE**

**Research**2013-Present  **Graduate Student,** Clinical and Cognitive Neuroscience Laboratory (Brett Clementz, Ph.D.   
 and Jennifer McDowell, Ph.D.)-Department of Psychology, University of   
 Georgia.

2011-2013 **Research Assistant/Co-Lab Manager,**Clinical and Cognitive Neuroscience Laboratory (Brett Clementz, Ph.D. and Jennifer McDowell Ph.D.)- Department of Psychology, University of Georgia.

Summer 2011 **Independent Researcher,**Investigated the philosophical implications of dynamic system theory and embodied cognition under the direction of Sarah Wright, Ph.D.-Department of Philosophy, University of Georgia

**Workshop**

2016 Time Frequency Decomposition: Methods and Challenges. **Society for Psychophysiology Annual Conference**

2016 Advanced M/EEG Statistical Parametric Mapping (SPM) Workshop at   
 **Wellcome Trust Centre for Neuroimaging** at the University City of London May 14-16th

* Fusion M/EEG Pre-processing and Analysis
* Advanced M/EEG Source Analysis
* Dynamic Causal Modeling and Bayesian Inference
  + ERP
  + Steady-State
  + Phase-Coupling
  + LFP
  + Advanced Model testing

**Teaching**2016 **Guest Lecturer**, University of Georgia  
 Psych 4300-EEG and MEG methods and Demonstration (4 Lectures) (Spring)  
2015 **Graduate Teaching Assistant,** University of Georgia Psych 3890-Research Methods (Fall 2015)  
2015 **Guest Lecturer**, University of Georgia  
 Psych 4300-EEG methods and Demonstration (2 Lectures) (Spring)  
2014 **Graduate Teaching Assistant**, University of Georgia  
 Psych 1101- Introduction to Psychology (Fall 2014)  
2014 **Guest Lecturer**, University of Georgia  
 Psych 4300-EEG/MEG methods and Demonstration (4 Lectures) (Spring)2013 **Graduate Teaching Assistant**, University of Georgia  
 Psych 4100- Cognitive Psychology (Fall 2013)  
**Clinical Training**

2015 Trained to administer the Positive and Negative Syndrome Scale (**PANSS**) for research projects

2014 Trained to administer the Structured Clinical Interview for DSM Diagnosis (**SCID**) for research projects

**PROFESSIONAL ACTIVITIES**

**Professional Organizations:**2014-Present Society for Psychophysiological Research  
 2016- Committee to Promote Student Interests  
2013-PresentSociety for Neuroscience2010-Present Phi Sigma Tau, UGA Chapter President 2010-11  
 -Organized 6 Special Lecture  
 -Organized Classic City Undergraduate Annual Conference at UGA  
 -Students from 7 states from across the country attended  
**Service:**2013-Present Maintained Liquid Helium Levels in MEG system at BIRC  
2013-Present Undergraduate Mentoring CCNL: *Megan Rogers, Rebekah Trotti, Meagan Buford, Zoe Shneider, Tiffany Javadi, Mitra Kumareswaran, Ian Berger.*