

Curriculum Vitae
Colleen A. Brenner, Ph.D.

Loma Linda University
Department of Psychology
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EMPLOYMENT:

2015 – present: Associate Professor of Psychology, Loma Linda University
2008 – 2015: Assistant Professor of Clinical Psychology, University of British Columbia

SPECIAL PROFESSIONAL QUALIFICATIONS:

Licensed psychologist in California #PSY29154

EDUCATION:

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| Indiana University, Purdue University, Indianapolis | Postdoctoral research fellow | 2005-2008 |
| Veterans Administration Service Center, Palo Alto California | Clinical Psychology Intern | 2004-2005 |
| Indiana University, Bloomington | Clinical Psychology graduate student | 1999-2005 |
| University of California, San Diego | Bachelors of Arts | 1992-1997 |

Title of Dissertation: An EEG Investigation of Visual Spatial Working Memory and Schizophrenia
Research Supervisor: William P. Hetrick, Ph.D.

TEACHING:

(a) Areas of special interest and accomplishments

I have a range of teaching experiences, from large undergraduate lectures to smaller graduate seminars. I am passionate about introducing the scientific method and critical thinking skills to those learning about clinical psychology. In the laboratory I employ a loose hierarchical approach which strikes a balance between promoting independence while providing support. Many of my students present their data at national and international conferences.

(b) Courses Taught at LLU

Graduate Courses:

Objective Personality Assessment
Seminar in Serious Mental Illness
Psychopathology (winter 2018)

(c) Courses Taught at UBC

Graduate Courses:

Practicum – Cognitive and Diagnostic Assessment of Serious Mental Illness
Adult Abnormal Psychology
Assessment – A Critical Survey
Assessment – Clinical Applications

Undergraduate Courses:

Research Methods

(d) Courses Taught at Indiana University

Undergraduate Courses:

Research Methods
Abnormal Psychology – summer session
Psychology 101 – correspondence course
Personality – correspondence course

(e) Student Committees

Graduate Students Supervised: 26

Graduate Supervision Committees: 20 (12 MA thesis, 10 Ph.D. dissertation, 3 PsyD projects)

Undergraduate Laboratory Supervision: ~45 (7 honors theses, 13 directed studies projects, 3 class practicum projects)

(f) Teaching Workshops Attended

Supervising Graduate Students I – 2009

Motivational Theories and How to Put Motivation into Practice – 2010

Kids These Days: Promoting and Exploring Adult Learning – 2010

Supervising Graduate Students II & III – 2010

The Active Class: Effective Strategies for Engaging Students in the Large Class Learning Environment – 2010

The Changing Pedagogy & Economics of Higher Education – 2014

Teaching in a Blended Learning Environment (6 week course)- 2015

CLINICAL EXPERIENCE:

Clinical Practicum Supervisor (2013-2015): University of British Columbia

Cognitive and Diagnostic Assessment of Serious Mental Illness: Guide M.A. level graduate students through current readings about the disorders and different approaches to cognitive assessment and interpretation, which form the theoretical foundation for practical work. I then supervise the

administration of diagnostic and symptom characterization interviews and a cognitive assessment battery to clients suspected of having either schizophrenia or bipolar disorder spectrum conditions. I help students form collaborative relationships with referring therapists, provide detailed feedback on their assessment and report-writing skills, and am present for all feedback sessions.

Clinical Internship (2004-2005): VA Palo Alto Health Care System

Neuropsychological Assessment: Responsibilities included neuropsychological as well as personality and diagnostic assessment of psychotic, geriatric, brain damaged, substance abusing and physically impaired patients. Focused on the differential diagnosis between neurological and psychiatric components of cognitive or psychiatric disorders and to make recommendations for management when appropriate.

Supervisor: James Moses, Ph.D.

Intensive Treatment Unit: Provided assessment and treatment of male and female veterans with psychiatric disorders in an acute crisis. Activities included membership in a multidisciplinary treatment team, individual therapy and leading treatment groups with a diverse group of patients with serious mental illness.

Supervisor: William O. Faustman, Ph.D.

Andrology: Included participation on a multidisciplinary treatment team integrating medical and psychological aspects of sexual dysfunction. Provided assessment, and individual therapy for primarily male veterans and their partners experiencing sexual dysfunction.

Supervisor: Antonette Zeiss, Ph.D.

Homeless Veterans Rehabilitation Program: Contributions included participation in all milieu activities, facilitated community meetings, lead group therapy and psychoeducational classes, and provide individual assessment and therapeutic support. Population included homeless male and female veterans, most with substance abuse, personality and/or psychiatric disorders.

Supervisor: Donna Horn, Ph.D.

Practicum in Clinical Psychology (1999-2004): Indiana University

Behavioral Marital/Couples Therapy: Experiences included the use of an empirically validated, manualized treatment program designed to assess and reduce marital distress. The program emphasizes client-therapist rapport, communication and problem-solving strategies, the teaching of anger management techniques and sex therapy when appropriate.

Supervisor: Amy Holtzworth-Munroe, Ph.D.

Obsessive Compulsive Disorder (OCD): Included semi-structured interviews of personality and psychopathology assessment, educating patients regarding the etiology of OCD, weekly session reports and implementation of therapies including a contingency based behavioral modification program and exposure with response prevention (ERP).

Supervisor: Richard M. McFall, Ph.D.

Neuropsychological Assessment: Included the administration, analysis and interpretation of neuropsychological assessment scales for a variety of clinical cases, including stroke, dementia, traumatic brain injury, and brain tumor. Summaries of tests results were prepared and presented to the clients, treating physicians, neurologists, and community mental health administrators.

Supervisors: Brian F. O'Donnell, Ph.D. and Julie C. Stout, Ph.D.

(a) Clinical Continuing Education Activities

2012: Attended workshop "Enhancing Competencies in Clinical Supervision"

RESEARCH INTERESTS:

The overarching theme of my research program involves the integration of sensory and cognitive functioning in both healthy individuals and those with serious mental illness. I have a burgeoning interest in investigating the neural underpinnings of resilience and overall health and wellness in these populations. I approach these issues using multiple-methods: electroencephalography (EEG), neuropsychological functioning, behavioral testing and self-report. A few current areas of interest include neural synchrony associated with short- and long-term memory formation, the effect of TMS on neural synchrony in those with depression, and the neural patterns associated with hallucinations and hallucination-like experiences in schizophrenia, those high on schizotypal traits, and regular cannabis users.

RESEARCH GRANTS AWARDED:

- 2013 – 2018 **Canadian Institutes for Health Research**
Integrated Biological Markers for the Prediction of Treatment Response in Depression
Co-Investigator (PI Sidney Kennedy), Total Costs: \$850,000
- 2011 – 2016 **National Science and Engineering Research Council**
The Neural Synchrony of Memory
PI, Total Costs: \$120,000
- 2013 – 2016 **Hampton Research Fund**
Identifying Vulnerability for Cannabis-Related Psychosis
PI, Total Costs: \$30,000
- 2010 – 2011 **Martha Piper Research Fund**
Behavioural and Electrophysiological Biomarkers of Bipolar Disorder
PI, Total Costs: \$25,000
- 2010 **BC Mental Health Association Research Network**
Cognitive Remediation in Schizophrenia
PI, Total Costs: \$1,500
- 2009 **UBC Arts HSS Grant**
Facial Emotion Memory
PI, Total Costs: \$7,000

2007-2009 **Brain and Behavior Research Foundation – Young Investigator Award**
 An Association Study with Psychophysiological Endophenotypes in Schizophrenia
 PI, Total Costs: \$60,000

REFEREED PUBLICATIONS:

(a) Journals

*represents student working under my supervision
 In psychology, the lead author is cited first while the last author represents the most senior scientist or the main author supporting the work.
 note: parental leave taken from 6-2011 to 5-2012

*Brooks, G.A., **Brenner, C.A.** Is there a common vulnerability in cannabis phenomenology and schizotypy? The role of the N170 ERP. *Schizophrenia Research* (in press).

Standardization of Electroencephalography for Multi-Site, Multi-Platform and Multi-Investigator Studies: Insights from the Canadian Biomarker Integration Network in Depression. Faranak Farzan, Sravya Atluri, Matthew Frehlich, Paul Dhama, Killian Kleffner, Rae Price, Raymond W. Lam, Benicio N. Frey, Roumen Milev, Arun Ravindran, Mary Pat McAndrews, Willy Wong, Daniel Blumberger, Zafiris J Daskalakis, Fidel Vila-Rodriguez, Esther Alonso, **Colleen A. Brenner**, Mario Liotti, Moyez Dharsee, Stephen R. Arnott, Kenneth R. Evans, Susan Rotzinger, Sidney H. Kennedy. *Scientific Reports*. Accepted on Jun 29, 2017.

Lam, R. W., Milev, R., Rotzinger, S., Andreazza, A. C., Blier, P., **Brenner, C.**, ... Kennedy, S. H. (2016). Discovering biomarkers for antidepressant response: Protocol from the Canadian Biomarker Integration Network in Depression (CAN-BIND) and clinical characteristics of the first patient cohort. *BMC Psychiatry*, 16, 105.

Brenner, C.A., *Rumak, S.P., *Burns, A.M.N. (2016). Facial Emotion Memory in Schizophrenia: From Encoding to Maintenance-related EEG. *Clinical Neurophysiology*, 127, 1366-73.

*Zhang, L., **Brenner, C.A.** (2016). The Factor Structure of the Schizotypal Personality Questionnaire in Undergraduate and Community Samples. *Journal of Personality Disorders*, 4:1-15.

*Kam, J.W.Y., **Brenner, C.A.**, Handy, T.C., Boyd, L.A., Liu-Ambrose, T., Lim, H.J., Hayden, S., Campbell, K. (2015). Sustained attention abnormalities in breast cancer survivors with cancer-associated cognitive deficits post chemotherapy: an electrophysiological study. *Clinical Neurophysiology*, S1388-2457(15) 172-8.

Schultz, K., Tham, J., Chan, P., **Brenner, C.**, Northcott, C., Villa-Rodriguez, F. (2015). Occurrence of Postictal Alpha Activity During Maintenance Course Electroconvulsive Therapy. *Journal of ECT*, 31(4) 211-2.

*Dominelli, R., Hetrick, W.P., O'Donnell, B.F. **Brenner, C.A.**, (2014). Affect Modulated Startle in Schizophrenia: the role of Subjective Valence Ratings. *Psychiatry Research*, 220, 44-50.

Brenner, C.A., *Rumak, S.P., *Burns, A.M.N., Kieffaber, P. (2014). The Role of Encoding and Attention in Facial Emotion Memory: An EEG Investigation. *International Journal of Psychophysiology*, 93, 398-410.

O'Bryan, R.A., **Brenner, C.A.**, Hetrick, W.P., O'Donnell, B.F. (2014). Disturbances of Visual Motion Perception in Bipolar Disorder. *Bipolar Disorders*, 16, 354-65.

Burns, A*, **Brenner, C.A.**, Erikson, D. (2014). Cognitive Behavioural Therapy for Medication-Resistant Psychosis: A Meta-Analytic Review. *Psychiatric Services*, 65, 874-80.

*Kam, J. W. Y., Bolbecker, A. R., O'Donnell, B. F., Hetrick, W. P., & **Brenner, C. A.** (2013). Resting EEG Power and coherence abnormalities in bipolar and schizophrenia. *Journal of Psychiatric Research*, 47, 1893-901.

Rass, O., Forsyth, J. K., Krishnan, G. P., Hetrick, W. P., Klaunig, M. J., Breier, A., O'Donnell, B. F., & **Brenner, C. A.** (2012). Auditory steady state response in schizophrenia, first-degree relatives, and schizotypal personality disorder. *Schizophrenia Research*, 136, 143-9.

*Kam, J. W. Y., Bolbecker, A. R., O'Donnell, B. F., Hetrick, W. P., & **Brenner, C. A.** (2011). Prospective predictors of mood episodes in bipolar disorder. *Journal of Affective Disorders*, 135, 298-304.

Shin, Y. W., Krishnan, G., Hetrick, W. P., **Brenner, C. A.**, Shekhar, A., Malloy, F. W., & O'Donnell, B. F. (2010). Increased temporal variability of auditory even-related potentials in schizophrenia and schizotypal personality disorder. *Schizophrenia Research*, 124, 110-8.

Rass, O., Krishnan, G., **Brenner, C. A.**, Hetrick, W. P., Merrill, C. C., Shekhar, A., & O'Donnell, B. F. (2010). Auditory steady state response in bipolar disorder: relation to clinical state, cognitive performance, medication status and substance disorders. *Bipolar Disorders*, 12, 793-803.

Brenner, C. A., Kieffaber, P. D., Clementz, B. A., Johannesen, J. K., O'Donnell, B. F., Shekhar, A. & Hetrick, W. P. (2009). Event-related potential abnormalities in schizophrenia: a failure to "gate in" salient information? *Schizophrenia Research*, 113, 332-8.

Brenner, C. A., Krishnan, G. P., Vohs, J. L., Ahn, W-Y., Hetrick, W. P., Morzorati, S. L., & O'Donnell, B. F. (2009). Steady state responses: electrophysiological assessment of sensory function in schizophrenia. *Schizophrenia Bulletin*, 35, 1065-77.

Krishnan, G. P., Hetrick, W. P., **Brenner, C. A.**, Shekhar, A., Steffen, A. N., & O'Donnell, B. F. (2009). Steady state and induced auditory gamma deficits in schizophrenia. *NeuroImage*, 47, 1711-19.

Fridberg, D. J., Hetrick, W. P., **Brenner, C. A.**, Shekhar, A., Steffen, A. N., Malloy, F. W., & O'Donnell, B. F. (2009). Relationships between auditory event-related potentials and mood state,

medication, and comorbid psychiatric illness in patients with bipolar disorder. *Bipolar Disorders*, 11, 857-66.

Hayden, E. P., Bodkins, M., **Brenner, C.**, Shekhar, A., Nurnberger, J. I. Jr., O'Donnell, B. F. & Hetrick, W. P. (2008). A multi-method investigation of the behavioral activation system in bipolar disorder. *Journal of Abnormal Psychology* 117, 164-170.

Camisa, K. M., Bockbrader, M. A., Lysaker, P. H., Rae, L L., **Brenner, C. A.**, O'Donnell, B. F. (2005). Personality traits in schizophrenia and related personality disorders. *Psychiatry Research*, 133, 23-33.

Brenner, C. A., Edwards, C. A., Carroll, C. A., Kieffaber, P. D., & Hetrick, W. P. (2004). P50 and acoustic startle gating are not related in healthy participants. *Psychophysiology*, 41, 702-8.

Brenner, C. A., Wilt, M. A., Lysaker, P. H., O'Donnell, B. F. (2003). Psychometrically matched tasks of discrimination and recognition performance in schizophrenia spectrum disorders. *Journal of Abnormal Psychology*, 112, 28-37.

Lysaker, P. H., Wilt, M. A., Plasek-Hallberg C. D., **Brenner C.**, & Clements C. A. (2003). The association of personality with symptoms and coping in schizophrenia. *Journal of Nervous and Mental Disease*, 191, 80-6.

Brenner, C. A., Sporns, O., Lysaker, P., O'Donnell, B. F. (2003). EEG synchronization to modulated auditory tones in schizophrenia, schizoaffective disorder and schizotypal personality disorder. *American Journal of Psychiatry*, 160, 2238-40.

Brenner, C. A., Lysaker, P. H., Wilt, M. A., & O'Donnell, B. F. (2002). Relationship between visual processing and neuropsychological function in schizophrenia spectrum disorders. *Psychiatry Research*, 111, 125-136.

O'Donnell, B. F., Wilt, M. A., **Brenner, C. A.**, Busey, T. A., Kwon, J. S. (2001). EEG synchronization deficits in schizophrenia spectrum disorders. In K.Hirata (Ed) *Proceedings of the 12th World Congress of the International Society of Brain Electromagnetic Topography*, 758.

Brenner, C. A., McDowell, J. E., Cadenhead, K., & Clementz, B. A. (2001). Saccadic inhibition among schizotypal personality disorder and schizophrenia subjects. *Psychophysiology*, 38, 399-403.

McDowell, J. E., **Brenner, C. A.**, Myles-Worsley, M., Coon, H., Byerley, W., & Clementz, B. A. (2001). Ocular motor delayed response task performance among schizophrenia patients and their biological relatives. *Psychophysiology*, 38, 153-6.

Myles-Worsley, M., Coon, H., McDowell, J. E., **Brenner, C.**, Hoff, M., Holik, J., Lind, B., Rosenthal, J., Bennett, P. L., Freedman, R., Clementz, B. A., & Byerley, W. (2000). Linkage of a composite inhibitory phenotype to a chromosome 22q locus in eight Utah families. *American Journal of Medical Genetics*, 88, 544-50.

(b) Chapters

O'Donnell BF, Salisbury DF, Niznikiewicz MA, **Brenner CA**, Vohs JL: Event related potential components in schizophrenia. Luck S & Kappenman E. Eds. *Event-Related Potential Components*. 2011, New York, Oxford Press.

(c) Conference Proceedings

* represents students working under my supervision

*Nguyen, A.N., Hetrick, W.P., O'Donnell, B.F., **Brenner, C.A.** (April 2017). Abnormal Beta and Gamma Frequency Neural Oscillations Mediate Sensory Gating Deficit in Schizophrenia. Presented at the 97th Annual Meeting for the Western Psychological Association; Sacramento (refereed abstract).

*Sanders, K.M., Bell, J., Kohali, Y., Hetrick, W.P., O'Donnell, B.F., **Brenner, C.A.** (April 2017). Demographic Differences in Resting State EEG in Healthy Controls and Patients with Schizophrenia. Presented at the 97th Annual Meeting for the Western Psychological Association; Sacramento (refereed abstract).

*Igirio, K.A., **Brenner, C.A.** (April 2017). The Relationship Between Cannabis Experience, Schizotypy, and Social Functioning. Presented at the 97th Annual Meeting for the Western Psychological Association; Sacramento (refereed abstract).

*Kolahi, Y., O'Donnell, B.F., Hetrick, W.P., **Brenner, C.A.** (April 2017). Schizophrenia Diagnosis and Education Level as Predictors of WAIS-III Performance. Presented at the 97th Annual Meeting for the Western Psychological Association; Sacramento (refereed abstract).

Brenner, C.A., Wang, N.*, Lee, V.*, Feldman, S.*, Brooks, G*. (September 2014). Dissociation of Cognitive and Sensory Influence on ERPs in Schizotypy and Cannabis Users. Presented at the 28th Annual Meeting for the Society for Research in Psychopathology; Evanston (refereed abstract).

Burns, A.*, **Brenner, C.A.** (September 2014). Neural Mechanisms of Irony Processing in Schizophrenia. Presented at the 28th Annual Meeting for the Society for Research in Psychopathology; Evanston (refereed abstract).

Zhang, L.C.*, Ulloa, A., **Brenner, C.A.** (September 2014). Item-level factor analysis of the Schizotypal Personality Questionnaire yields five gender-invariant factors. Presented at the 28th Annual Meeting for the Society for Research in Psychopathology; Evanston (refereed abstract).

Brenner, C.A., O'Bryan, R., Hetrick, W.P., and O'Donnell, B. (September 2013). Disturbance of Visual Motion Perception in Bipolar Disorder. Presented at the 27th Annual Meeting for the Society for Research in Psychopathology; Oakland (refereed abstract).

Zhang, L.*, Fung, E.*, Shih, J.*, **Brenner, C.A.** (September 2013). Schizotypal Traits and CrossModal Memory Processes Over Time. Presented at the 27th Annual Meeting for the Society for Research in Psychopathology; Oakland (refereed abstract).

Brenner, C.A., *Glazier, B., *Rumak, S.P., *Kuo, S. (June 2013). The Effect of Distracters on Short- to Long-Term Memory Translation. Presented at the 23rd Annual Convention for the Canadian Society for Brain, Behaviour and Cognitive Science in Calgary, Alberta (refereed abstract).

*Burns, A., **Brenner, C.A.**, Erickson, D.H. (June 2013). Cognitive Behavioural Therapy for Medication Resistant Schizophrenia: A Meta-Analytic Review. Presented at the 74th Annual Convention for the Canadian Psychological Association in Quebec City, Quebec (refereed abstract).

*Dominelli, R.M., *Speed, B.C., **Brenner, C.A.** & Carlson, S.R. (May 2012). Differential Relationships of Binge Behaviours with Impulsivity, Reward Sensitivity and Punishment Sensitivity. Presented at the 24th Annual Convention for the Association for Psychological Science in Chicago, Ill (refereed abstract).

*Kam, J. W. Y., Bolbecker, A. R., O'Donnell, B. F., Hetrick, W. P., & **Brenner, C. A.** (September 2012). Resting EEG Power and Coherence Abnormalities in Bipolar and Schizophrenia Patients. Presented at the 52nd Annual conference for the Society for Psychophysiological Research, New Orleans, LA (refereed abstract)

*Rumak, S. P., *Murphy, C. R., Hetrick, W. P., O'Donnell, B. F., Bolbecker, A. R., & **Brenner, C. A.** (September 2012). ERPs and Delay Interval Oscillations Associated with Auditory Sensory Gating in Schizophrenia. Presented at the 52nd Annual conference for the Society for Psychophysiological Research, New Orleans, LA (refereed abstract).

Brenner, C. A., *Rumak, S. P., & *Burns, A. (September 2012). Electrophysiology of Facial Emotion Processing. Presented at the 52nd Annual conference for the Society for Psychophysiological Research, New Orleans, LA (refereed abstract).

Brenner, C. A., *Rumak, S. P., & *Burns, A. (September 2012). EEG of Facial Emotion Processing in Schizophrenia. Presented at the Society for Research in Psychopathology, Ann Arbor, MI (refereed abstract).

*Dominelli, R. M., *Speed, B. C., *Grant, L. L., Carlson, S. R., & **Brenner, C. A.** (September 2012). Startle Blink Measures of Emotional Reactivity and Regulation in Women with Bingeing Behaviour. Presented at the 52nd Annual conference for the Society for Psychophysiological Research, New Orleans, LA (refereed abstract).

*Burns, A. M. N., *Cassetta, B., & **Brenner, C. A.** (September 2012). An Electrophysiological Marker of Irony Comprehension as a Practical Measure of Theory of Mind. Presented at the 52nd Annual conference for the Society for Psychophysiological Research, New Orleans, LA (refereed abstract).

*Burns, A., *Rumak, S., *Kuo, S., & **Brenner, C.A.** (September 2011). Irony Comprehension and the N400 in Schizophrenia. Presented at the 24th annual meeting of the Society for Research in Psychopathology in Boston, MA. (refereed abstract).

*Graf, M.; Kam, J.; **Brenner, C. A.**; & Carlson, S. (September 2011). Differential Relationships Between Psychopathic Personality Traits and the P3 in Auditory vs. Visual Modality. Presented at the 24th annual meeting of the Society for Research in Psychopathology in Boston, MA. (refereed abstract).

*Johnson, S., *Circic, K., and **Brenner, C.A.** (September 2011). Schizotypal Personality Traits Mediate the Relationship Between Hypomanic Personality and Social Functioning. Presented at the 24th annual meeting of the Society for Research in Psychopathology in Boston, MA. (refereed abstract).

*Rumak, S. P., *Kozik, P., *Burns, A., *Johnson, S. & **Brenner, C. A.**, (September 2011). Attention Modulation of Auditory Sensory Gating in Schizophrenia. Presented at the 24th annual meeting of the Society for Research in Psychopathology in Boston, MA. (refereed abstract).

*Rumak, S. P., *Kosik, P., *Burns, A., *Johnson, S., & **Brenner, C.A.** (June 2011). The Modulatory Role of Selective Attention on Auditory P50 Sensory Gating. Presented at the 21st annual meeting of the Canadian Society for Brain, Behaviour and Cognitive Science in Winnipeg, M.B. (refereed abstract).

*Johnson, S. C., **Brenner, C. A.**, & Carlson, S. C. (May 2011). Impulsivity Mediates the Relationship between Hypomanic Personality and Alcohol Use. Presented at the 23rd annual meeting of the Association for Psychological Science, Washington D.C., (refereed abstract).

*Kuo, S. S., *Murphy, C. R. & **Brenner, C. A.** (June 2011). The Relationship between Short and Long Term Memory. Presented at the Connecting Minds Undergraduate Research Conference, Richmond, B.C. (refereed abstract).

Brenner, C.A., *Kam, J.W.Y., Bolbecker, A.R., Hetrick, W.P., & O'Donnell, B.F. (October, 2010). *Prospective predictors of mood episodes in bipolar disorder*. Presented at the Society for Research in Psychopathology in Seattle, Washington. (refereed abstract)

*Burns, A., Hetrick, W.P., O'Donnell, B.F., & **Brenner, C. A.** (October, 2010). Steady state auditory entrainment in schizophrenia and bipolar disorder. Presented at the Society for Psychophysiological Research, Portland, Oregon. (refereed abstract)

Brenner, C. A., *Rumak, S. P., & *Grant-Weaver, S. (October, 2010). *Electrophysiology of facial emotion memory and schizotypal traits*. Presented at the Society for Psychophysiological Research, Portland, Oregon. (refereed abstract)

O'Donnell, B.F., Vohs, J.L., Morzorati, S.L., Krishnan, G.P., **Brenner, C.A.**, & Hetrick, W.P. (April 2009). *Auditory Steady State Response Abnormalities in Schizophrenia*. Presented at the 15th Annual EPIC-International Congress on Event-Related Potentials of the Brain, in Bloomington, Indiana. (refereed abstract)

Brenner, C.A., Krishnan, G., Boggs, J., Nurnberger, J., Shekhar, A., Hetrick, W.P., & O'Donnell, B.F. (May 2007). *Frequency composition of Resting EEG in Schizophrenia and Bipolar Disorder*. Presented at the 62nd Annual Meeting of the Society of Biological Psychiatry in San Diego, California. (refereed abstract)

Brenner, C.A., Gholston, M., Hetrick, W.P., Shekhar, A., Nurnberger, J., Boggs, J., & O'Donnell, B.F. (May, 2007). *Predictors of Mood Episodes in Euthymic Patients with Bipolar Disorder*. Presented at the

62nd Annual Meeting of the Society of Biological Psychiatry in San Diego, California. (refereed abstract)

Brenner, C.A., O'Donnell, B.F., & Hetrick, W.P. (October, 2006). *Deficits in the Memory Phase of a Visual Spatial Delayed Match-to-Sample Task in Schizophrenia*. Presented at the Annual Meeting of the Society for Psychophysiological Research in Vancouver, Canada. (refereed abstract)

Bodkins, M. D., Johannesen, J.K., Hetrick, W.P., **Brenner, C.A.**, Shekhar, A., & O'Donnell, B.F. (2006). *Auditory P300 Abnormalities in Bipolar Disorder: Effect of Clinical Phase*. Presented at the Annual Meeting of the Society for Psychophysiological Research in Vancouver, Canada. (refereed abstract)

Gholston, M., **Brenner, C.**, Johannesen, J., Nurnberger, J., & O'Donnell, B. (October, 2006). *Clinical and Psychophysiological Predictors of Recurrent Mood Episodes in Bipolar Disorder*. Presented at the Annual Meeting of the Society for Research in Psychopathology in San Diego, CA. (refereed abstract)

Boggs, J.M., **Brenner, C.A.**, Johannesen, J.K., Shekhar, A., & Hetrick, W.P. (October, 2006). *Affect Modulated Startle in Schizophrenia*. Presented at the Annual Meeting of the Society for Research in Psychopathology in San Diego, CA. (refereed abstract)

Brenner, C.A., Johannesen, J., Bodkins, M., Boggs, J., Shekhar, A., O'Donnell, B.F., & Hetrick, W.P. (May, 2006). *Frequency Analysis of Sensory Processing and Gating in Schizophrenia and Comorbid Alcohol Dependence*. Presented at the 61st Annual Meeting of the Society of Biological Psychiatry in Toronto, Canada. (refereed abstract)

Brenner, C.A., O'Donnell, B.F., & Hetrick, W.P. (April, 2004). *Memory induced gamma band activation*. Presented at the 59th Annual Meeting of the Society of Biological Psychiatry in New York, NY. (refereed abstract)

Brenner, C.A., Godfrey, J.L., Sandman, C.A., O'Halloran, J.P., & Hetrick, W.P. (February, 2003). *Comparability of Traditional and Computerized Administrations of 12 Common Neurocognitive Assessment Instruments*. Presented at the International Neuropsychological Society conference, Honolulu Hawaii. (refereed abstract)

Brenner, C.A., Edwards, C.R., Kieffaber, P.D., Carroll, C.A., & Hetrick, W.P. (October, 2002). *Concurrent Assessment of P50 and Acoustic Startle Gating*. Presented at the Society for Psychophysiological Research conference, Washington D.C. (refereed abstract)

Brenner, C.A., Sporns, O., Lysaker, P.H., & O'Donnell, B.F. (May, 2002). *Power and Coherence in Response to Modulated Auditory Stimuli in Schizophrenia Spectrum Disorders*. Presented at the Society of Biological Psychiatry conference, Philadelphia Pennsylvania. (refereed abstract)

Brenner, C.A., Wilt, M.A., Lysaker, P.H., & O'Donnell, B.F. (October, 2001). *Neural Response to Modulated Auditory Stimuli in Schizophrenia*. Presented at the Society for Psychophysiological Research conference, Montreal, Canada. (refereed abstract)

- Brenner, C.A.,** Lysaker, P.H., & O'Donnell, B.F. (March, 2001). *Motion Processing and Neuropsychology in Schizophrenia*. Presented at the Women in Science conference, Indiana University, Indiana. (refereed abstract)
- Brenner, C.A.,** Wilt, M.A., Lysaker, P.H., & O'Donnell, B.F. (November, 2000). *Visual Processing of Form and Motion in Schizophrenia Spectrum Disorders*. Presented at the Society for Neuroscience conference, New Orleans, Louisiana. (refereed abstract)
- Brenner, C.A.,** Piech, R., & O'Donnell, B.F. (May, 2000). *Increased EEG Power at Frequencies of Auditory Stimulus Modulation*. Presented at the Indiana Psychological Association, South Bend, Indiana. (refereed abstract)
- Brenner, C.A.,** McDowell, J.E., Cadenhead, K., & Clementz, B.A. (September, 1998). *Ocular Motor Delayed Response Task Performance of Schizophrenia Spectrum Subjects*. Paper presented at the 38th Annual Society of Psychophysiological Research, Denver, Colorado. (refereed abstract)
- Brenner, C.A.,** McDowell, J.E., Myles-Worsley, M., Coon, H., Byerley, W., & Clementz, B.A. (May, 1998). *Ocular Motor Delayed Response task Performance in Schizophrenia Patients and their Biological Relatives*. Presented at the 53rd Annual Society of Biological Psychiatry, Toronto, Canada. (refereed abstract)
- Brenner, C.A.,** McDowell, J.E., Cadenhead, K. & Clementz, B.A. (May, 1998). *Antisaccade Performance in Schizotypal Personality Disorder*. Presented at the 53rd Annual Society of Biological Psychiatry, Toronto Canada. (refereed abstract)
- Clementz, B.A., McDowell, J.E., **Brenner, C.,** Coon, H., Byerley, W., & Myles-Worsley, M. (October, 1997). *Measures of Eye Movement Performance for Identifying Unaffected Gene Carriers in Schizophrenia Pedigrees*. Presented at the 1997 World Congress on Psychiatric Genetics, Santa Fe, New Mexico. (refereed abstract)
- McDowell, J.E., **Brenner, C.A.,** & Clementz, B.A. (May, 1997). *Antisaccade Performance of Schizophrenia Patients and Relatives*. Presented at the 52nd Annual Society of Biological Psychiatry, San Diego, California. (refereed abstract)

SCHOLARLY AND PROFESSIONAL ACTIVITIES:

(a) Invited Presentations

Brenner, C.A. (2014, April) "Investigations of Sensory and Cognitive Deficits in Schizophrenia and Bipolar Disorder". Invited speaker at the UBC Department of Psychiatry Mood Disorders Clinic, Vancouver BC.

Brenner, C.A. (2011, February). Cognitive Remediation in Schizophrenia. Invited speaker at the Bridges Occupational Therapy conference, Vancouver, BC.

Brenner, C.A., Lysaker, P., & O'Donnell, B.F. (2001, February). Motion Processing in Schizophrenia. Paper presented at the International Neuropsychological Society conference, Chicago, Illinois.

(b) Other Presentations

* represents students working under my supervision

*Kuo, S., Burns, A.M-N., Rumak, S., & Brenner, C.A. (2011, May). I think I know what you're thinking!: Theory of Mind in Schizophrenia. Paper presented at the NOWCAM conference, Vancouver, BC.

Brenner, C.A. (2011, February). Cognitive Remediation in Schizophrenia. Invited presentation given to the Chinese Mental Wellness Association of Canada, Richmond, BC.

Brenner, C.A. (2010, May). Treatment of Mental Illness. Invited presentation given to the Chinese Mental Wellness Association of Canada, Richmond, BC.

Brenner, C.A. (2009, March). Symptoms of Bipolar Disorder. Invited presentation given to the Chinese Mental Wellness Association of Canada, Richmond, BC.

Brenner, C.A. (2009, February). Schizophrenia: Symptoms and Current Treatments. Invited presentation given to the Chinese Mental Wellness Association of Canada, Richmond, BC.

(c) Conference Participation

2010-2013: co-chair of the Early Career committee, host Early Career Conversation Hour for the Society for Psychophysiological Research

Organizing committee of EPIC: 15th International Congress on Event-Related Potentials of the Brain. Bloomington, Indiana, April 22-25 2009.

SERVICE:

Loma Linda University Departmental Service

Member of the William James Graduate Student Award Committee 2015-present

Chair of the Academic Affairs Committee 2017 – present

UBC University Service

Mentor for Dr. Maya Libben NARSAD Young Investigator Award entitled “Hyper-excitability and fronto-temporal disconnectivity in schizophrenia”. UBC Okanagan.

UBC Departmental Service

Ethics Committee (member) 2014-present
Graduate Student Admissions Committee (member) 2012-present
Faculty Recognition Committee (member) 2008-2010
Colloquium Committee (member) 2009-2011
Psych-Fest Committee:(Chair) 2010 - 2011
Fire Safety Warden: (3rd floor west) 2010-present

UBC Clinical Area Service

Comprehensive Exams Committee (member) 2010-2011
Competencies Portfolio Committee (member) 2010-2011
Curriculum Committee (member) 2012-present
Mock Internship Interview (chair) 2011-present
CPA Accreditation Self-study Committee - present

Professional Service

2001-present Member of the Society for Psychophysiological Research
2010-present Member of the Society for Research in Psychopathology
2013-2015 Member of the Canadian Psychological Association
2013-present Member of the EEG and Clinical Neuroscience Society
2017-present Member of the American Psychological Association

Ad Hoc Reviewer

Schizophrenia Bulletin: 2014
Neuroscience: 2014
Biological Psychiatry: 2008 - 2011
Bipolar Disorders: 2008-2009
Schizophrenia Research: 2004-present
Psychiatry Research: 2006-present
Psychiatry Research: Neuroimaging: 2012 - present
Psychophysiology: 2010-present
Neuropharmacology: 2013
Pharmacology, Biochemistry and Behavior: 2013
NeuroImage: Clinical: 2017 - present

External Examiner while at UBC

Ph.D. external examiner for Derek Fisher from Carleton University, May 8, 2012
Ph.D. external examiner for Rylie Moore from the University of Victoria, September 28, 2012
Ph.D. external examiner for Vanessa Defreitas from Simon Frasier University, April 14, 2014