

CURRICULUM VITAE**John J.B. Allen****Personal Information:**

Distinguished Professor of Clinical Psychology,
Cognitive Science, and Neuroscience
Department of Psychology
University of Arizona
Tucson, AZ 85721

Phone: (520) 621-4992
E-Mail: JOHN.JB.ALLEN@ARIZONA.EDU
WWW: jallen.faculty.arizona.edu

Education and Licensure:

1993 Licensed Psychologist in the State of Arizona (License #2055)
1992 University of Minnesota, Doctor of Philosophy, Clinical Psychology with specialization in
Psychophysiology and Biological Measurement
1991 University of Minnesota, Master of Arts, Psychology
1986 University of Wisconsin-Madison, Bachelor of Science with Distinction, Psychology

Chronology of Employment:

2006-present Distinguished Professor of Psychology, University of Arizona
2002-2006 Professor of Psychology, University of Arizona
1998-2002 Associate Professor of Psychology, University of Arizona
1992-1998 Assistant Professor of Psychology, University of Arizona
1991-1992 Intern, Psychology Service, VA Medical Center, Minneapolis, MN
1990-1991 Doctoral Dissertation Fellow, University of Minnesota Graduate School
1989-1992 Instructor, Association for Advanced Training in the Behavioral Sciences
1988-1992 Instructor, University of Minnesota, Department of Psychology
1988-1990 National Institute of Mental Health Research Traineeship Fellow
1988 Consultant, Minnesota Twin Family study
1987-1988 Research Assistant for Professor William G. Iacono, University of Minnesota
1986-1987 Graduate School Fellow, University of Minnesota
1984-1986 Research Assistant for Professor Loren J. Chapman, University of Wisconsin-
Madison
1977-1983 Manager, McDonald's Corporation

Honors Societies and Honors:

Alexander von Humboldt Foundation Forschungspreis (2016); Distinguished Professor, University of Arizona (2006); Fellow, Association for Psychological Science (2005); Graduate College and Professional Education Teaching and Mentoring Award (2005); Special Award for Distinguished Service as the Chair of the Committee to Promote Student Interests, Society for Psychophysiological Research (2004); Leicester & Kathryn Sherrill Creative Teaching Award, University of Arizona (2004); Distinguished Contribution to Research from the Arizona Psychological Association (2001); Distinguished Scientific Award for an Early Career Contribution to Psychophysiology (2000); University of Arizona Graduate College Graduate Teaching and Mentoring Award (Honorable Mention; 2000); Who's Who Among America's Teachers (1998, 2002, 2005); Sigma Xi (1989); Phi Beta Kappa (1986); Phi Kappa Phi (1985); Psi Chi (1984); De Pauw Undergraduate Honors Research Symposium (1985); National Honor Society President (1978-1979)

Professional Societies:

The Society for Psychophysiological Research (President 2008-2009)
 Association for Psychological Science, Fellow
 Southern Arizona Psychological Association

Publications:

- Allen, J.J. (1986). A developmental approach to self-monitoring behavior. *Communication Monographs*, 53, 277-288.
- Allen, J.J., Chapman, L.J., & Chapman, J.C. (1987). Cognitive slippage and depression in hypothetically psychosis-prone college students. *Journal of Nervous and Mental Disease*, 175, 347-353.
- Allen, J.J., Chapman, L.J., Chapman, J.C., Vuchetich, J.P., & Frost, L.A. (1987). The prediction of psychotic-like symptoms in hypothetically psychosis-prone college students. *Journal of Abnormal Psychology*, 96, 83-88.
- Chapman, L.J., Chapman, J.P., & Allen, J.J. (1987). The measurement of foot preference. *Neuropsychologia*, 25, 579-584.
- Depue, R.A., Arbisi, P., Krauss, S., Iacono, W.G., Leon, A., Muir, R., & Allen, J.J. (1990). Seasonal independence of low prolactin concentration and high spontaneous eye-blink rates in unipolar and bipolar II seasonal affective disorder. *Archives of General Psychiatry*, 47, 356-364.
- Allen, J.J., Iacono, W.G., & Danielson, K.D. (1992). The identification of concealed memories using the event-related potential and implicit behavioral measures: A methodology for prediction in the face of individual differences. *Psychophysiology*, 29, 504-522.
- Allen, J.J., Iacono, W.G., Depue, R.A., & Arbisi, P. (1993). Regional electroencephalographic asymmetries in bipolar seasonal affective disorder before and after exposure to bright light. *Biological Psychiatry*, 33, 642-646..
- Schnyer, D.M., & Allen, J.J. (1995). Attention-related Electroencephalographic and Event-related Potential Predictors of Responsiveness to Suggested Posthypnotic Amnesia. *International Journal of Clinical and Experimental Hypnosis*, 43, 295-315.
- Allen, J.J., Iacono, W.G., Laravuso, J.J., & Dunn, L.A. (1995). An Event-related Potential investigation of posthypnotic recognition amnesia. *Journal of Abnormal Psychology*, 104, 421-430.
- Sponheim, S.S., Allen, J.J., & Iacono, W.G. (1995). Selected psychophysiological measures in depression: The significance of electrodermal activity, electroencephalographic asymmetries, and contingent negative variation to behavioral and neurobiological aspects of depression. In G. Miller (Ed.), *The Behavioral High-Risk Paradigm in Psychopathology* (pp. 222-249). New York: Springer-Verlag.
- Allen, J.J.B., Law, H., & Laravuso, J.J. (1996). Items for assessing posthypnotic recognition amnesia with the HGSHS:A and the SHSS:C. *International Journal of Clinical and Experimental Hypnosis*, 44, 52-65.
- van Hooff, J.C., Brunia, C.H.M. & Allen, J.J.B. (1996). Event-related potentials as indirect measures of recognition memory. *International Journal of Psychophysiology*, 21, 15-31.
- Harmon-Jones, E., & Allen, J.J.B. (1997). Behavioral activation sensitivity and resting frontal EEG asymmetry: Covariation of putative indicators related to risk for mood disorders. *Journal of Abnormal Psychology*, 106, 159-163.
- Allen, J.J.B. & Iacono, W.G. (1997). A comparison of methods for the analysis of event-related potentials in deception-detection. *Psychophysiology*, 34, 234-240.
- Schnyer, D.M., Allen, J.J.B. & Forster, K. (1997). An Event-Related Brain Potential Examination of Implicit Memory Processes: Masked and Unmasked Repetition Priming. *Neuropsychology*, 11, 243-260.
- Allen, J.J.B., & Schnyer, R.N. (1998). Depression and acupuncture. In: E.A. Blechman and K.D. Brownell (Eds.), *Behavioral Medicine for Women: A comprehensive Handbook*, (pp. 764-769). New York: Guilford Press.

- Allen, J.J.B. (1998). DSM-IV. In H. Friedman, N. Adler, R. Parke, C. Peterson, R. Rosenthal, R.C. Silver, R. Schwarzer, & D. Spiegel (Eds.), *Encyclopedia of Mental Health* (pp. 29-41), San Diego: Academic Press.
- Reprinted as:
- Allen, J.J.B. (2001). DSM-IV. In H.Friedman (Ed.), *The Disorders: Specialty Articles from the Encyclopedia of Mental Health* (pp.209-221), San Diego: Academic Press. (Reprinted chapter that first appeared in 1998 in the *Encyclopedia of Mental Health*, pp. 29-41)
- Allen, J.J.B. (2001). DSM-IV. In H.Friedman (Ed.), *Assessmen and Therapy: Specialty Articles from the Encyclopedia of Mental Health* (pp.189-201), San Diego: Academic Press. (Reprinted chapter that first appeared in 1998 in the *Encyclopedia of Mental Health*, pp. 29-41)
- Wyatt, J. K., Bootzin, R. R., Allen, J.J.B., & Anthony, J. L. (1997). Mesograde amnesia during the sleep onset transition: replication and spectral correlates. *Sleep*, 20, 512-522.
- Kline, J.P., Allen, J.J.B., & Schwartz, G.E. (1998). Is left frontal brain activation in defensiveness gender specific? *Journal of Abnormal Psychology*, 107, 149-153.
- Harmon-Jones, E., & Allen, J.J.B. (1998). Anger and frontal brain activity: EEG asymmetry consistent with approach motivation despite negative affective valence. *Journal of Personality and Social Psychology*, 74, 1310-1316.
- Kline, J.P. , Schwartz, G.E., Allen, J.J.B., & Dikman, Z.V. (1998). Perceptual and electroencephalographic registration of masked emotional words in defensiveness: An exploratory study. *Personality and Individual Differences*, 24, 499-512.
- Allen, J.J.B., Schnyer, R.N., & Hitt, S.K. (1998). The efficacy of acupuncture in the treatment of major depression in women. *Psychological Science*, 9, 397-401.
- Reid, S.A., Duke, L.M., & Allen, J.J.B. (1998). Resting frontal electroencephalographic asymmetry in depression: Inconsistencies suggest the need to identify mediating factors. *Psychophysiology*, 35, 389-404.
- Schwartz, G.E.R., Nelson, L., Russek, L.G.S., & Allen, J.J.B. (1998). Electrostatic body-motion registration and the human antenna-receiver effect: A new method for investigating interpersonal dynamical energy system interactions. *Subtle Energies*, 7, 149-184.
- Schnyer, D.M., Allen, J.J.B. Kaszniak, A.W., & Forster, K.I. (1999). An ERP examination of masked and unmasked repetition priming in Alzheimer's Disease: Implications for theories of implicit memory. *Neuropsychology*, 13, 1-15.
- Moreno, F.A., Gelenberg, A.J., Heninger, G.R., Potter, R.L., McKnight, K.M., Allen, J., Phillips, A.P., & Delgado, P.L. (1999). Tryptophan depletion and depressive vulnerability. *Biological Psychiatry*, 46, 498-505.
- Dikman, Z.V., & Allen, J.J.B. (2000) Error monitoring during reward and avoidance learning in high and low-socialized individuals. *Psychophysiology*, 37, 43-54.
- Lane, R.D., Nadel, L., Ahern, G., Allen, J.J.B., Kaszniak, A.W., Rapsack, S., & Schwartz, G.E.R. (Eds.) (2000). *The Cognitive Neuroscience of Emotion*. New York: Oxford University Press.
- Lane, R.D., Nadel, L. Allen, J.J.B., & Kaszniak, A.W. (2000). The study of emotion from the perspective of cognitive neuroscience. In R.D. Lane, L. Nadel, G. Ahern, J.J.B. Allen, A.W. Kaszniak, S. Rapsack, & G.E.R. Schwartz, G.E.R. (Eds), *The Cognitive Neuroscience of Emotion* (pp3-11). New York: Oxford University Press.
- Manber, R., Allen, J.J.B., Burton, K., & Kaszniak, A.W. (2000) Valence-dependent modulation psychophysiological measures: Is there consistency across repeated testing? *Psychophysiology*, 37, 683-692.
- Allen, J.J.B. (2000). Depression and Acupuncture: A Controlled Clinical Trial. *Psychiatric Times*, 17(3), 72-75. (Invited submission)
- Bohbot, V.D., Allen, J.J.B., & Nadel, L. (2000). Memory deficits characterized by patterns of lesions to the hippocampus and parahippocampal cortex. In H.E. Scharfman, and M.P. Witter, Menno P. et al. (Eds), *The parahippocampal region: Implications for neurological and psychiatric diseases. Annals of the New York Academy of Sciences*, 911, 355-368.
- Allen, J.J.B. & Movius, H.L. (2000). The objective assessment of amnesia in dissociative identity disorder using event-related potentials. *International Journal of Psychophysiology*, 21-41

- Allen, J.J.B., & Iacono, W.G. (2001). Assessing the Validity of Amnesia in Dissociative Identity Disorder: A Dilemma for the DSM and the Courts. *Psychology, Public Policy, and Law*, 7, 311-344. (Invited manuscript).
- Harmon-Jones, E., & Allen, J.J.B. (2001) The role of affect in the mere exposure effect: Evidence from psychophysiological and individual differences approaches. *Personality and Social Psychology Bulletin*, 27, 889-898.
- Newman, M.C., Allen, J.J.B., & Kaszniak, A.W. (2001). Tasks for assessing memory for temporal order versus memory for items in aging. *Aging, Neuropsychology and Cognition*, 8, 72-78.
- Schnyer, R.N., & Allen, J.J.B. (2001). *Acupuncture in the Treatment of Major Depression: A Manual for Practice and Research*. London: Harcourt-Brace Churchill Livingstone.
- Allen, J.J.B., Harmon-Jones, E., & Cavender, J.H. (2001). Manipulation of frontal EEG asymmetry through biofeedback alters self-reported emotional responses and facial EMG. *Psychophysiology*, 38, 685-693.
- Coan, J.A., Allen, J.J.B., & Harmon-Jones, E. (2001). Voluntary facial expression and hemispheric asymmetry over the frontal cortex. *Psychophysiology*, 38, 912-925.
- Arndt, J., Allen, J.J.B., & Greenberg, J. (2001). Traces of terror: Subliminal death primes and facial electromyographic indices of affect. *Motivation and Emotion*, 25, 253-277.
- Allen, J.J.B. (2002) The role of psychophysiology in clinical assessment: ERPs in the evaluation of memory. *Psychophysiology*, 39, 261-280. PMID: 12212646 (Invited manuscript)
- Gallagher, S., Allen, J.J.B., Hitt, S.K., Schnyer, R.N., & Manber, R. (2001). Six-month depression relapse rates among women treated with acupuncture. *Complementary Therapies in Medicine*, 9, 216-218.
- Payne, J.D., Nadel, L., Allen, J.J.B., Thomas, K.G.F., & Jacobs, W.J. (2002). The Effects of experimentally-induced stress on false recognition. *Memory*, 10(1), 1-6. PMID: 11747571
- Schnyer, R.N., & Allen, J.J.B. (2002). Depression and Mental Illness. In C.M. Cassidy and M. Micozzi (Eds.), *Contemporary Chinese Medicine and Acupuncture* (pp. 330-349). Philadelphia: Harcourt Brace Churchill Livingstone.
- O'Connor, M.F., Allen, J.J.B., and Kaszniak, A.W. (2002). Autonomic and emotion regulation in bereavement and depression. *Journal of Psychosomatic Research*, 52, 183-185. PMID: 11943236
- Manber, R., Allen, J.J.B., & Morris, M.M. (2002). Alternative treatments for depression: empirical support and relevance to women. *Journal of Clinical Psychiatry*, 63(7), 628-40. PMID: 12143922
- Schnyer, R.N., & Allen, J.J.B. (2002). Bridging the Gap in Complementary and Alternative Medicine Research: Manualization as a Means of Promoting Standardization and Flexibility of Treatment in Clinical Trials of Acupuncture. *The Journal of Alternative and Complementary Medicine*, 8(5), 623-634. PMID: 12470444
- Chambers, A.S., & Allen, J.J.B. (2002). Vagal tone as indicator of treatment response in major depression. *Psychophysiology*, 39, 861-864. PMID: 12462513
- Coan, J.A., & Allen, J.J.B. (2003). The state and trait nature of frontal EEG asymmetry in emotion. In K. Hugdahl and R. J. Davidson (Eds.) *The Asymmetrical Brain* (pp.565-615), Cambridge, MA: MIT Press.
- Coan, J.A., & Allen, J.J.B. (2003) Frontal EEG asymmetry and the behavioral activation and inhibition systems. *Psychophysiology*, 40, 106-114. PMID: 12751808
- Allen, J.J.B., & Dveirin, K. (2003). Mechanism of wart disappearance: An alternative hypothesis. *Archives of Pediatrics and Adolescent Medicine*, 157, 490. PMID: 12742891
- Manber, R., Chambers, A.S., Hitt, S.K., McGahuey, C., Delgado, P. & Allen, J.J.B. (2003). Patients' perception of their depressive illness. *Journal of Psychiatry Research*, 37, 335-343. PMID: 12765856
- Coan, J.A., & Allen, J.J.B. (2003). Varieties of emotional experience during voluntary emotional facial expressions. *Annals of the New York Academy of Sciences*, 1000, 375-379. PMID: 14766650
- Allen, J.J.B., Urry, H.L., Hitt, S.K., & Coan, J.A. (2004). The stability of resting frontal electroencephalographic asymmetry in depression. *Psychophysiology*, 41, 269-280. PMID: 15032992
- Allen, J.J.B., Trujillo, L., & Dikman, Z.V. (2004). Assessing moderators and mediators of error-monitoring. In M. Ullsperger & M. Falkenstein (Eds.) *Errors, Conflicts, and the Brain. Current Opinions on Performance Monitoring*. Leipzig: Max-Planck-Institut fuer Kognitions-und Neurowissenschaften.

- Allen, J.J.B., Coan, J.A., & Nazarian, M. (2004) Issues and assumptions on the road from raw signals to metrics of frontal EEG asymmetry in emotion. *Biological Psychology*, *67*, 183-218. PMID: 15130531
- Coan, J.A. & Allen, J.J.B. (2004). Frontal EEG asymmetry as a moderator and mediator of emotion. *Biological Psychology*, *67*, 7-49. PMID: 15130524
- Allen, J.J.B., & Kline, J.P. (2004). Frontal EEG asymmetry, emotion, and psychopathology: The first, and the next, twenty-five years. *Biological Psychology*, *67*, 1-5. PMID: 15130523
- Manber, R., Schnyer, R.N., Allen, J.J.B., Rush, A.J., & Blasey, C.D. (2004). Acupuncture: A promising treatment for depression during pregnancy. *Journal of Affective Disorders*. *83*, 89-95. PMID: 15546651
- Trujillo, L., Peterson, M.A., Kaszniak, A.W., and Allen, J.J.B. (2005). EEG phase synchrony differences across visual perception conditions may depend on recording and analysis methods. *Clinical Neurophysiology*, *116*, 172-189. PMID: 15589196
- Movius, H.L. & Allen, J.J.B. (2005). Cardiac vagal tone, defensiveness, and motivational style. *Biological Psychology*, *68*, 147-162. PMID: 15450694
- O'Connor, M., Allen, J.J.B., & Kaszniak, A.W. (2005). Emotional disclosure for whom? A study of vagal tone in bereavement. *Biological Psychology*, *68*, 135-146. PMID: 15450693
- Garriock, H.A., Allen, J.J.B., Delgado, P., Nahaz, Z., Kling, M.A., Carpenter, L., Burke, M., Burke, W., Schwartz, T., Marangell, L.B., Husain, M., Erickson, R.P., Moreno, F.A. (2005). Lack of association of TPH2 exon XI polymorphisms with major depression and treatment resistance. *Molecular Psychiatry*, *10*, 976-977.
- Accortt, E., & Allen, J.J.B. (2006). Frontal EEG asymmetry and premenstrual dysphoria. *Journal of Abnormal Psychology*, *115*, 179-184. PMID: 16492109
- Demaree, H.A., Robinson, J.L., Pu, J., Allen, J.J.B. (2006). Strategies actually employed during response-focused emotion regulation research: Affective and physiological consequences. *Cognition and Emotion*, *20*, 1248-1260.
- Coan, J.A., Allen, J.J.B., & McKnight, P.E. (2006). A capability model of individual differences in frontal EEG asymmetry. *Biological Psychology*, *72*, 198-207. PMID: PMC2835626
- Allen, J.J.B., Schnyer, R.N., Chambers, A.S., Hitt, S.K., Moreno, F.A., & Manber, R. (2006). Acupuncture for Depression: A Controlled Trial. *The Journal of Clinical Psychiatry*, *67*, 1665-1673. PMID: 1719604
- Santerre, C., & Allen, J.J.B. (2007). Methods for studying the psychophysiology of emotion. In J. Rottenberg & S.L. Johnson (Eds.) *Emotion and psychopathology: Bridging affective and clinical science* (pp. 53-79). Washington, DC: American Psychological Association.
- Coan, J.A., & Allen, J.J.B. (Eds.) (2007). *The Handbook Of Emotion Elicitation And Assessment*. New York: Oxford University Press.
- Curtin, J.J., Lozano, D.L., & Allen, J.J.B. (2007). The psychophysiology laboratory. In J.A. Coan and J.J.B. Allen (Eds.), *The Handbook Of Emotion Elicitation And Assessment*, New York: Oxford University Press.
- Allen, J.J.B., Chambers, A.S., & Towers, D.N. (2007). The many metrics of cardiac chronotropy: A pragmatic primer and a brief comparison of metrics. *Biological Psychology*, *74*, 243-262. PMID: 17070982
- Chambers, A.S., & Allen, J.J.B. (2007). Cardiac vagal control, emotion, psychopathology and health. *Biological Psychology*, *74*, 113-115. PMID: 17055143
- Trujillo, L. & Allen, J.J.B. (2007). Theta EEG dynamics of the error-related negativity. *Clinical Neurophysiology*. *118*, 645-668. PMID: 17223380
- Rottenberg, J. Chambers, A.S., Allen, J.J.B., & Manber, R. (2007). Cardiac vagal control in the severity and course of depression: The importance of symptomatic heterogeneity. *Journal of Affective Disorders*, *103*, 173-179. PMID: PMC2212818
- Chambers, A.S., & Allen, J.J.B. (2007). Sex differences in cardiac vagal control in a depressed sample: Implications for differential cardiovascular mortality. *Biological Psychology*, *75*, 32-36. PMID: PMC1885549
- Schnyer, R.N., Chambers, A.S., Hitt, S.K., Moreno, F.A., Manber, R., & Allen, J.J.B. (2007). Acupuncture for Major Depressive Disorder: Unconvincing Evidence for Efficacy in One Trial Highlights the Challenge of Research Designs. *The Journal of Clinical Psychiatry*, *68*(10), 1617.

- Kong, L.L., & Allen, J.J.B. (2008). Dissociative Identity Disorder. In B.L. Cutler (Ed.) *Encyclopedia of Psychology and Law*. Thousand Oaks, CA: Sage Publications.
- Cavanagh, J., & Allen, J.J.B. (2008). Multiple aspects of the stress response under social evaluative threat: An electrophysiological investigation. *Psychoneuroendocrinology*, *33*, 41–53. PMID: 17964737
- Coan, J. A., & Allen, J. J. B. (2008). Affective style and risk for psychopathology. In T. P. Beauchaine and S. P. Hinshaw (Eds.) *Child Psychopathology* (pp.234-264), Hoboken, NJ: John Wiley & Sons.
- Mertens, R. & Allen, J.J.B. (2008). The role of psychophysiology in forensic assessments: Deception detection, ERPs and virtual reality mock crime scenarios. *Psychophysiology*, *45*, 286–298. PMID: 17995914
- Manber, R., Blasey, C., & Allen, J.J.B. (2008). Depression symptoms during pregnancy. *Archives of Women's Mental Health*, *11*, 43-48. PMID: 18270654
- Allen, J.J.B. (2008). Not devoid of forensic potential, but... *American Journal of Bioethics*, *8*, 27-28. (Invited open peer commentary) PMID: 18236331
- Kong, L.L., Allen, J.J.B., & Glisky, E.L. (2008). Inter-identity memory transfer in Dissociative Identity Disorder, *Journal of Abnormal Psychology* *117*, 686–692. PMID: 18729620
- Forbes, C.E., Schmader, T., & Allen, J.J.B. (2008). The role of devaluing and discounting in performance monitoring: A neurophysiological study of minorities under threat. *Social Cognitive and Affective Neuroscience*, DOI 10.1093/scan/nsn012. PMID: PMC2566773
- Accortt, E.E., Freeman M.P., & Allen, J.J.B. (2008). Women and depression: Multiple perspectives on sex and gender differences. *Journal of Women's Health*, 1583-1590. PMID: 19049352
- Martens, A., Greenberg, J., & Allen, J.J.B. (2008). Self-esteem and autonomic physiology: Parallels between self-esteem and cardiac vagal tone as buffers of threat. *Personality and Social Psychology Review*, *12*(4),370-389. PMID: 18927472
- Cavanagh, J., & Allen, J.J.B. (2009). Behavioral Inhibition System. In D. Sander & K.R. Scherer (Eds.), *Oxford Companion to Affective Sciences*, pp. 73-74. New York: Oxford University Press.
- Cavanagh, J., & Allen, J.J.B. (2009). Behavioral Activation System. In D. Sander & K.R. Scherer (Eds.), *Oxford Companion to Affective Sciences* pp. 72-73. New York: Oxford University Press.
- Towers, D.N., & Allen, J.J.B. (2009). A better estimate of the internal consistency reliability of frontal EEG asymmetry scores. *Psychophysiology*, *46*, 132–142. PMID: PMC2743447
- Cavanagh, J.F., Cohen, M.X., & Allen, J.J.B. (2009). Prelude to and resolution of an error: EEG phase coherence reveals cognitive control dynamics during action monitoring. *Journal of Neuroscience*, *29*, 98-105. PMID: PMC2742325
- Allen, J.J.B., McKnight, K.M., Moreno, F.A., Demaree, H.A., & Delgado, P.L. (2009). Alteration of frontal EEG asymmetry during tryptophan depletion predicts future depression. *Journal of Affective Disorders*, *115*,189-195. PMID: PMC2688527
- Sbarra, D.A., & Allen, J.J.B. (2009). Decomposing depression: Do sleep disturbances lead changes in cognitive-affective symptom recovery? *Journal of Abnormal Psychology*, *118*, 171-182. PMID: 19222323
- Allen, J.J.B. & Mertens, R. (2009). Limitations to the Detection of Deception: True and False recollections are Poorly Distinguished using an Event-related Potential Procedure. *Social Neuroscience*, *4*(6), 473-490. DOI: 10.1080/17470910802109939 PMID: 18633842
- Gründler, T.O.J., Cavanagh, J.F., Figueroa, C.M., Frank, M.J., & Allen, J.J.B. (2009) Task-related dissociation in ERN amplitude. *Neuropsychologia* *47*,. 1978-1987. PMID: PMC2680784
- Hasler, B.P., Allen, J.J.B., Sbarra, D.A., Bootzin, R.R., & Bernert, R.A. (2010) Morningness-eveningness and depression: Preliminary evidence for the role of BAS and positive affect. *Psychiatry Research*. *176*, 166-173. PMID: PMC2844473
- Harlé, K.M., Allen, J.J.B., & Sanfey, A.G. (2010). The Impact of Depression on Social Economic Decisions. *Journal of Abnormal Psychology* *119*, 440-446. PMID: PMC2869467
- Manber, R., Schnyer, R.N., Lyell, D., Chambers, A.S., Caughey, A.B., Druzin, M., & Allen, J.J.B. (2010). *Acupuncture for Depression During Pregnancy: a randomized controlled trial*. *Obstet Gynecol* *115*, 511-520. PMID: 20177281
- Cavanagh, J.F., Frank, M.J., Klein, B.A., & Allen, J.J.B. (2010).. Frontal Theta links prediction errors to behavioral adaptation in reinforcement learning. *Neuroimage*, *49*, 3198–3209. PMID: PMC2818688

- Bismark, A.W., Moreno, F.A., Stewart, J.L., Towers, D.N., Coan, J.A., Oas, J., Erickson, R.P., & Allen, J.J.B. (2010). Polymorphisms of the 5HT1A allele are linked to frontal brain electrical asymmetry. *Biological Psychology*, *83*, 153–158. PMID: PMC2845287
- Trujillo, L.T., Allen, J.J.B., Schnyer, D.M., & Peterson, M.A. (2010) Neurophysiological evidence for the influence of past experience on figure-ground perception. *Journal of Vision*, *10*, 1-21. PMID: 20462306
- Accortt, E.E., Stewart, J.L., Coan, J.A., & Allen, J.J.B. (2010). Prefrontal brain asymmetry and premenstrual dysphoric disorder symptomatology. *Journal of Affective Disorders*, *128*, 178-183. PMID: PMC2994967
- Stewart, J.L., Bismark, A.W., Towers, D.N., Coan, J.A., & Allen, J.J.B. (2010). Resting frontal EEG asymmetry as an endophenotype for depression risk: Sex-specific patterns of frontal brain asymmetry. *Journal of Abnormal Psychology*, *119*, 502-512. PMID: PMC2916182
- Martens, A., Greenberg, J., Allen, J.J.B., Hayes, J., Schimel, J., & Johns, M. (2010). Self-esteem and autonomic physiology: Self-esteem levels predict cardiac vagal tone., *Journal of Research in Personality*, *44*, 573-584 .
- Cavanagh, J.F., Gründler, T.O.J., Frank, M.J., & Allen, J.J.B. (2010). Altered cingulate sub-region activation accounts for task-related dissociation in ERN amplitude as a function of obsessive-compulsive symptoms. *Neuropsychologia* *48*, 2098–2109. PMID: PMC2876228
- Cavanagh, J.F., Frank, M.J., & Allen, J.J.B. (2010). Social stress reactivity alters reward and punishment learning. *Social Cognitive and Affective Neuroscience* . doi: 10.1093/scan/nsq041. PMID: 20453038
- Mikhail, M., El-Ayat, K., Coan, J.A., & Allen, J.J.B.(2010). Emotion detection using noisy EEG data. In H. Saito, J.M. Seigneur, G. Moreau, and P. Mistry (Eds.). *Proceedings of the 1st Augmented Human International Conference, AH 2010*, ACM Press, 1-7.
- Allen, J.J.B., & Cohen, M.X. (2010). Deconstructing the “resting” state: Exploring the temporal dynamics of frontal alpha asymmetry as an endophenotype for depression. *Frontiers in Human Neuroscience* . *4*:232, doi:10.3389/fnhum.2010.00232. PMID: PMC3017362
- Mikhail, M., El-Ayat, K., Coan, J.A., & Allen, J.J.B.(2010). Using minimal number of electrodes for emotion detection using brain signals produced from a new elicitation technique. *International Journal on Autonomous and Adaptive Communication Systems*.
- Stewart, J.L., Towers, D.N., Coan, J.A., & Allen, J.J.B. (2011). The oft-neglected role of parietal EEG asymmetry and risk for major depressive disorder. *Psychophysiology*, *48*, 82–95. PMID: PMC3000438
- Stewart, J.L., Coan, J.A., Towers, D.N., & Allen, J.J.B. (2011). Frontal EEG asymmetry during emotional challenge differentiates individuals with and without lifetime major depressive disorder. *Journal of Affective Disorders*, *129*, 167-174. PMID: PMC3021630
- Accortt, E.E., Bismark, A., Schneider, T.R., & Allen, J.J.B. (2011) Diagnosing Premenstrual Dysphoric Disorder: The reliability of a structured clinical interview. *Archives of Women's Mental Health*, *14*, 265-267. PMID: 21336934
- Allen, J.J.B. Clinical applications of the Concealed Information Test. (2011). In B. Verschuere, G. Ben-Shakhar, & E. Meijer (Eds.). *Memory Detection: Theory and application of the Concealed Information Test*, pp231-252. Oxford: Cambridge University Press.
- Gustafson, K.M., Allen, J.J.B., Yeh, H., & May, L.E. (2011). Characterization of the fetal diaphragmatic magnetomyogram and the effect of breathing movements on cardiac metrics of rate and variability. *Early Human Development*, *87*, 467–47. PMID: PMC3114157
- Cavanagh J.F., Bismark A.J., Frank M.J. and Allen J.J.B. (2011). Larger error signals in major depression are associated with better avoidance learning. *Frontiers in Cognition*, *2*:331, doi: 10.3389/fpsyg.2011.00331 PMID: PMC3210982
- Gustafson, K.M., May, L.E., Yeh, H., Million, S.K., & Allen, J.J.B. (2012). Fetal cardiac autonomic control during breathing and non-breathing epochs: The effect of maternal exercise. *Early Human Development*, *88*, 539-546. PMID: 22264436
- Cavanagh, J.F., Zambrano-Vazquez, L., & Allen, J.J.B. (2012). Theta Lingua Franca: A common mediofrontal substrate for action monitoring processes. *Psychophysiology*, *49*, 220-238. PMID: PMC3262926

- Wu, L., Pu, J., Allen, J.J.B., & Pauli, P. (2012). Recognition of facial expressions in individuals with elevated levels of depressive symptoms: An eye-movement study. *Depression Research and Treatment*, vol. 2012, Article ID 249030, 7 pages, 2012. doi:10.1155/2012/249030. PMID: PMC3263589
- Kogan, A.V., Allen, J.J.B., & Weihs, K.L. (2012). Cardiac vagal control as a prospective predictor of anxiety in women diagnosed with breast cancer. *Biological Psychology*, 90, 105-111. doi: 10.1016/j.biopsycho.2012.02.019
- Velo, J.R., Stewart, J.L., Hasler, B.P., Towers, D.N., & Allen, J.J.B. (2012). Should it matter when we record? Time of year and time of day as factors influencing frontal EEG asymmetry. *Biological Psychology*, 91, 283-291. PMID: PMC3530616, doi: 10.1016/j.biopsycho.2012.06.010
- Matsuda, I., Nittono, H., & Allen, J.J.B. (2012). The current and future status of the Concealed Information Test for field use. *Frontiers in Cognitive Science*. doi: 10.3389/fpsyg.2012.00532
- Bismark, A.W., Hajcak, G., Whitworth, N.M., & Allen, J.J.B. (2013). The role of outcome expectations in the generation of the Feedback-related Negativity. *Psychophysiology*, 50, 125-133. doi: 10.1111/j.1469-8986.2012.01490.x
- Mikhail, M., El-Ayat, K., Coan, J.A., & Allen, J.J.B. (2013). Using minimal number of electrodes for emotion detection using brain signals produced from a new elicitation technique. *International Journal on Autonomous and Adaptive Communication Systems*, 6, 80-97.
- Matsuda, I., Nittono, H., & Allen, J.J.B. (2013). Detection of concealed information by frontal EEG asymmetry. *Neuroscience Letters*, 537, 55-59. doi: 10.1016/j.neulet.2013.01.029
- Lane, R.D., Weidenbacher, H., Smith R., Fort, C., Thayer, J.F., & Allen, J.J.B. (2013). Subgenual Anterior Cingulate Cortex Activity Covariation with Cardiac Vagal Control Is Altered in Depression. *Journal of Affective Disorders*, 150, 565-570. doi: 10.1016/j.jad.2013.02.005.
- Accortt, E.E., Kogan, A.V., & Allen, J.J.B. (2013). Personal history of Major Depression may put women at risk for Pre-menstrual Dysphoric Disorder Symptomatology. *Journal of Affective Disorders*. 150, 1234-1237. doi:10.1016/j.jad.2013.05.091
- Allen, J.J.B. (2013). Never Trust the Polygraph. *The Writ*, the official publication of the Pima County Bar Association.
- Mussel, P., Hewig, J., Allen, J.J.B., Coles, M.G.H., & Miltner, W.H.R. (2014). Smiling Faces Sometimes, they don't tell the Truth: Facial Expression in the Ultimatum Game Impacts Decision-Making and Event-related Potentials. *Psychophysiology*, 51, 358-363. doi:10.1111/psyp.12184
- Stewart, J.L., Coan, J.A., Towers, D.N., & Allen, J.J.B. (2014). Resting and Task-Elicited Prefrontal Brain Asymmetry in Depression: Support for the Capability Model. *Psychophysiology*, 51, 446-455. doi:10.1111/psyp.12191
- Sanguinetti, J.L., Allen, J.J.B., & Peterson, M.A. (2014). The ground side of an object: Perceived as shapeless yet processed for semantics. *Psychological Science*, 25, 256-264. doi: 10.1177/0956797613502814
- Cavanagh, J.F., Sanguinetti, J.L., Allen, J.J.B., Sherman, S.J., & Frank, M.J. (2014). The subthalamic nucleus contributes to post error slowing. *Journal of Cognitive Neuroscience*, 26, 2637-2644. doi:10.1162/jocn_a_00659
- Zambrano-Vazquez, L. & Allen, J.J.B. (2014). Response monitoring in Obsessive-compulsive, worrying, and anxious individuals. *Neuropsychologia*, 61, 197-209. doi:10.1016/j.neuropsychologia.2014.06.023
- Smith, R., Allen, J.J.B., Thayer, J.F., Fort, C., & Lane, R.D. (2014). Increased association over time between regional frontal lobe BOLD change magnitude and cardiac vagal control with sertraline treatment for major depression *Psychiatry Research: Neuroimaging*, 224, 225-233. doi:10.1016/j.pscychresns.2014.08.015
- Sanguinetti, J. L., Smith, E., Allen, J. J. B., Hameroff, S. (2014). Human brain stimulation with transcranial ultrasound (TUS); Potential applications for mental health. In *Bioelectromagnetic Medicine*. (pp. 355-361), New York, NY: Taylor & Francis.
- Forbes, C.E., Leitner, J., Duran-Jordan, K., Magerman, A., Schmader, T., & Allen, J.J.B. (2014). Spontaneous Default Mode Network phase-locking moderates performance perceptions under stereotype threat. *Social Cognitive and Affective Neuroscience*, 10, 994-1002. doi:10.1093/scan/nsu145

- Gustafson, K. M., May, L. E., & Allen, J. J. B. (2014). Heart rate variability as a proxy for fetal programming: The effect of maternal exercise. In *2014 8th Conference of the European Study Group on Cardiovascular Oscillations, ESGCO 2014* (pp. 33-34). [6847505] IEEE Computer Society. DOI: 10.1109/ESGCO.2014.6847505
- Alkozei, A., Creswell, C., Cooper, P.J., & Allen, J.J.B (2015). Heart rate and respiratory sinus arrhythmia in childhood anxiety disorders: Associations with state anxiety and social anxiety disorder. *Journal of Affective Disorders*, 175, 25-33. doi: 10.1016/j.jad.2014.11.056.
- Allen, J.J.B., & Reznik, S.J. (2015). Frontal asymmetry as a promising marker of depression vulnerability: Summary and methodological consideration. *Current Opinion in Psychology*, 4, 93-97. doi:10.1016/j.copsyc.2014.12.017
- Schafer, S.M., Wager, T.D., Mercado, R.A. Jr., Thayer, J.F., Allen, J.J.B., & Lane, R.D. (2015) Medial visceromotor network dysfunction in Major Depression is partially ameliorated by sertraline. *Psychosomatic Medicine*, 77, 752-761.
- Stanton, A.L., Wiley, J.F., Krull, J.L., Crespi, C.M., Hammen, C., Allen, J.J.B., Barrón, M.L., Jorge, A., & Weihs, K.L. (2015). Depressive episodes, symptoms, and trajectories in women recently diagnosed with breast cancer *Breast Cancer Research and Treatment*, 154, 105-115.
- Smith, R., Allen, J.J.B., Thayer, J.F., & Lane, R.D. (2015). Altered functional connectivity between medial prefrontal cortex and the inferior brainstem in major depression during appraisal of subjective emotional responses: A preliminary study. *Biological Psychology*, 108, 13-24.
- Bohbot, V.D., Allen, J.J.B., Dagher, A., Dumoulin, S., Evans, A., Petrides, M., Kalina, M., Stepankova, K., & Nadel, L. (2015). Role of the parahippocampal cortex in memory for the configuration but not the identity of objects: converging evidence from patients with selective thermal lesions and fMRI. *Frontiers in Human Neuroscience*, 9.
- Breitborde, N.J.K., Dawley, D., Bell, E.K., Vanuk, J., Allen, J.J.B., & Lane, R.D. (2015). A personalized paced-breathing intervention to increase heart rate variability among individuals with first-episode psychosis following stress exposure. *Schizophrenia Research*, 169, 496-497, doi:10.1016/j.schres.2015.11.005
- Chen, K., Fink, W., Roveda, J., Lane, R.D., Allen, J.J.B., & Vanuk, J.R. (2015). Wearable sensor based stress management using integrated respiratory and ECG waveforms. *2015 IEEE 12th International Conference on Wearable and Implantable Body Sensor Networks (BSN)*. doi: 10.1109/BSN.2015.7299369
- May, L.E., Allen, J.J.B., & Gustafson, K.E. (2016). Fetal and maternal cardiac responses to physical activity and exercise during pregnancy, *Early Human Development*, 94,49-52. doi: 10.1016/j.earlhumdev.2016.01.005
- Sanguinetti, J.L., Trujillo, L.T., Schnyer, D.M., Allen, J.J.B., & Peterson, M.A. (2016). Increased alpha band activity indexes inhibitory competition across a border during figure assignment. *Vision Research*, 128,120-130. doi:10.1016/j.visres.2015.06.008
- Smith, R, Allen, J.J.B., Thayer, J.F., & Lane, R.D. (2016). Regional frontal lobe response magnitudes during affective shifting covary with resting heart rate variability in healthy volunteers: A preliminary report. *Journal of Psychophysiology*, 165-174. DOI: 10.1027/0269-8803/a000166.
- Smith, E.E., Zambrano-Vazquez, L., & Allen, J.J.B. (2016). Patterns of alpha asymmetry in those with elevated worry, trait anxiety, and obsessive-compulsive symptoms: A test of the worry and avoidance models of alpha asymmetry. *Neuropsychologia*, 85, 118-126.
- Janssen, C.H.W, Lowry, C.A., Mehl, M., Allen, J.J.B., Kelly, K.L., Gartner, D.E., Medrano, A. Begay, T.K., Rentscher, K., White, J.J., Fridman, A., Roberts, L.J., Robbins, M.L., Hanusch, K., Cole, S.P., & Raison, C.L. (in press). Whole body hyperthermia for the treatment of major depressive disorder: A randomized, double-blind, sham-controlled trial. *JAMA Psychiatry*.
- Mussel, P., Ulrich, N., Allen, J.J.B., Osinsky, R., & Hewig, J. (2016). Patterns of theta oscillation reflect the neural basis of individual differences in epistemic motivation. *Scientific Reports*, 6:29245. DOI:10.1038/srep29245
- Smith, E.E., Reznik, S.J, Stewart, J.L., & Allen, J.J.B. (2017). Assessing and conceptualizing frontal EEG asymmetry: An updated primer on recording, processing, analyzing, and interpreting frontal alpha asymmetry. *International Journal of Psychophysiology*, 111, 98-114. DOI:10.1016/j.ijpsycho.2016.11.005

- Bourassa, K.J., Allen, J.J.B., Mehl, M.R., & Sbarra, D.A. (2017). Narrative expressive writing decreases heart rate and increases heart rate variability following marital separation. *Psychosomatic Medicine*, 79, 697-705. DOI: 10.1097/PSY.0000000000000475
- Reznik, S.J., & Allen, J.J.B. (2018). Frontal asymmetry as a mediator and moderator of emotion: An updated review since 2004. *Psychophysiology*. DOI: 10.1111/psyp.12965
- Smith, E.E., Cavanagh, J.F., & Allen, J.J.B. (2018). Intracranial source activity (eLORETA) related to scalp-level asymmetry scores and depression status. *Psychophysiology*. DOI: 10.1111/psyp.13019
- Allen, J.J.B., Keune, P.M., Schönenberg, M., & Nusslock, R. (2018). Frontal EEG alpha asymmetry and emotion: From neural underpinnings and methodological considerations to psychopathology and social cognition. *Psychophysiology*. DOI:10.1111/psyp.13028

Manuscripts Under Review:

- Arizmendi, B.J., Seeley, S.H., Allen, J.J.B., Killgore, W.D.S., Andrews-Hanna, J., & O'Connor, M. *Feeling a pull to be close: The effect of oxytocin on approach and avoidance in complicated grief.*
- Kromenacker, B.W., Sanova, A.A., Marcus, F.I., Allen, J.J.B., & Lane, R.D. *Low Frequency Heart Rate Variability During Slow Yoga Breathing Is Vagally-Mediated.*
- Dieckman, L.W., Zambrano-Vazquez, L., & Allen, J.J.B. *The DZA Film Collection for Emotion Elicitation I: Assessing Discreteness*
- Dieckman, L.W., Zambrano-Vazquez, L., & Allen, J.J.B. *The DZA Film Collection for Emotion Elicitation II: Assessing Blended, Tiered, Coactivated, Mixed, Diffuse, and Individual Differences*
- Stewart, J.L., & Allen, J.J.B. *Resting frontal brain asymmetry predicts future depressive symptoms in never-depressed individuals.*
- Smith, E.E., & Allen, J.J.B. *Error-related theta dynamics and single-trial cognitive control in sports-related concussion*
- Zambrano-Vazquez, L., Santerre, C.L., & Allen, J.J.B. *Suppress or Accept? The effect of thought suppression on ERN amplitude among obsessive-compulsive individuals*
- Zambrano-Vazquez, L., Medrano, M.R., Reznik, S.J., Casillas, M., & Allen, J.J.B. *When Worriers Worry: Investigation of the effects of state worry induction on the ERN and its interaction with trait worry and OC symptoms*
- Do Carmo Blanco, N., & Allen, J.J.B. *Selective attentional bias to explicitly and implicitly predictable outcomes*
- Kogan, A.V., Allen, J.J.B., & Weihs, K.L. *A Cross-sectional Examination of Positivity of Intimate Partner Interactions, Affection, and Cardiac Vagal Control in Breast Cancer*
- Sanguinetti, J.L., Hameroff, S., Smith, E., Dieckman, L., & Allen, J.J.B. *Transcranial Ultrasound of the Right Prefrontal Cortex Improves Mood in Healthy Participants.*
- Chambers, A.S., Alkozei, A., Kirk, S., Lashley, S., Abercrombie, H., & Allen, J.J.B. *Progressive Muscle Relaxation During Pregnancy: A Preliminary Study.*
- Waters, A.C., Smith, E.E., Cooper, B., & Allen, J.J.B. *Alpha and Theta EEG Oscillatory Dynamics During Self-evaluation*

Software Programs

- CMetX (2002). This freely available program calculates metrics of cardiac rate and variability in rate. Program available at <http://apsychoserver.psych.arizona.edu> . Details concerning the program appear in:
Allen J.J.B. (2002). Calculating metrics of cardiac chronotropy: A pragmatic overview. *Psychophysiology*, 39, S18.
Allen, J.J.B., Chambers, A.S., & Towers, D.N. (2007). The many metrics of cardiac chronotropy: A pragmatic primer and a brief comparison of metrics. *Biological Psychology*, 74, 243–262.

Guest Commentary

- Allen, J.J.B. (2006). *No one can detect lies for sure, despite newest technology.* Guest commentary, Arizona Daily Star, February 3, 2006.

Published Conference Abstracts:

- Allen, J.J., Danielson, K.D., & Iacono, W.G. (1989). The assessment of memory using the event-related potential: Prediction in the face of individual differences. *Psychophysiology*, 26(4A), S11.
- Allen, J.J., & Iacono, W.G. (1990). An intra-individual method of analyzing the late-positive components of event-related potentials in the oddball paradigm. *Psychophysiology*, 27(4A), S14.
- Allen, J.J., & Iacono, W.G. (1991). Event-related potentials and implicit behavioral measures in the identification of concealed memories. *Psychophysiology*, 28(3A), S3.
- Allen, J.J., Iacono, W.G., & Depue, R.A. (1991). Regional EEG asymmetries in bipolar seasonal affective disorder before and after phototherapy. *Psychophysiology*, 28(3A), S9.
- Allen, J.J., & Iacono, W.G. (1992). Event-related potential evidence of implicit memory in posthypnotic recognition amnesia. *Psychophysiology*, 29(4A), S16.
- Schnyer, D.M., & Allen, J.J. (1993). Attention-related electroencephalographic predictors of responsiveness to hypnotic suggestion. *Psychophysiology*, 30(4A), S58.
- Anthony, J., Wyatt, J.K., Bootzin, R.R., Oswald, V., & Allen, J.J. (1994). Retrograde and anterograde amnesia at sleep onset: A conceptual replication. *Sleep Research*, 23, 112.
- Wyatt, J.K., Bootzin, R.R., Anthony, J., & Allen, J.J. (1994). Evaluation of memory consolidation at sleep onset: Spectral analysis and sleep staging. *Sleep Research*, 23, 152.
- Allen, J.J., Dikman, Z.V., & Nadel, L. (1994). Scalp distribution of P3 in hippocampus-dependent and hippocampus-independent visual tasks: Support for multiple P3 generators. *Psychophysiology*, 31, S22.
- Anthony, J.L., Wyatt, J.K., Allen, J.J., & Bootzin, R.R. (1994). P300 amplitude to subsequently recognized material in a sleep paradigm. *Psychophysiology*, 31, S23.
- Duke, L.M., Allen, J.J., Hitt, S.K., & Reid, S.A. (1994). Frontal 40 hertz EEG activity and depression. *Psychophysiology*, 31, S42.
- Kline, J.P., Schwartz, G.E., Allen, J.J., Dikman, Z.V., & Fernandez, M. (1994). EEG correlates of unconscious registration of emotional words in repressive and defensive coping styles. *Psychophysiology*, 31, S62.
- Ludwig, C. & Allen, J.J. (1994). An event-related potential memory-assessment procedure for previously-learned words. *Psychophysiology*, 31, S65.
- Schnyer, D.M., Allen, J.J., & Forster, K. (1994). Long-term memory verses perceptual priming: Event-related brain potential evidence for two separate systems. *Psychophysiology*, 31, S88.
- Wyatt, J.K., Allen, J.J., Bootzin, R.R., & Anthony, J.L. (1994). Event-related potential correlates of amnesia at sleep onset. *Psychophysiology*, 31, S106.
- Wyatt, J. K., Allen, J. J., Bootzin, R. R., & Anthony, J. L. (1995). Event-related potential correlates of sleep onset mesograde amnesia. *Sleep Research*, 24, 116.
- Duke, L. & Allen, J.J. (1995). Asymmetrical EEG alpha activity during matched verbal and spatial tasks. *Journal of the International Neuropsychological Society*, 1, 179.
- Allen, J.J.B., McKnight, K.M., & Delgado, P.L., (1995). Frontal EEG asymmetry during tryptophan depletion. *Psychophysiology*, 32, S15.
- Hitt, S.K., Allen, J.J.B., & Duke, L.M. (1995). Stability of resting frontal alpha asymmetry in major depression. *Psychophysiology*, 32, S40.
- Kline, J.P., Schwartz, G.E., & Allen, J.J.B. (1995). Is left frontal brain activation in defensiveness gender specific? *Psychophysiology*, 32, S46.
- Reid, S.A., Allen, J.J.B., & Duke, L.M. (1995). Differences in task-specific EEG activity of depressed and non-depressed subjects. *Psychophysiology*, 32, S61.
- Wyatt, J.K., Bootzin, R.R., Allen, J.J.B., Anthony, J.L. (1995). Mesograde amnesia during the sleep onset transition: results and implications. *Psychophysiology*, 32, S12.
- Shen, B., Allen, J.J., Angevine, J.B., & Williams, J.G. (1995). Matching pursuit on ERP analysis. *Neuroscience Abstracts*, 21, 758.1 .
- Allen, J.J.B., & Cavender, J.H. (1996). Biofeedback Alters Frontal EEG Asymmetry. *Psychophysiology*, 33, S17.

- Allen, J.J.B., & Dikman, Z.V. (1996). A Response-Locked Negativity in Deception. *Psychophysiology*, 33, S17.
- Allen, J.J.B., & Movius, H.L. (1996). ERPs as measures of memory in Dissociative Identity Disorder. *Psychophysiology*, 33, S17.
- Harmon-Jones, E. & Allen, J.J.B., (1996). Anterior EEG asymmetry and facial EMG as evidence that affect is involved in the mere exposure effect. *Psychophysiology*, 33, S44.
- Harmon-Jones, E. & Allen, J.J.B., (1996). Anger and prefrontal brain activity: EEG asymmetry consistent with approach motivation despite negative affective valence. *Psychophysiology*, 33, S44.
- Manber, R., Burton, K.W., Allen, J.J.B., & Kaszniak, A.W. (1996). Phase of menstrual cycle modulates eyeblink startle potentiation and magnitude. *Psychophysiology*, 33, S59.
- Schnyer, D.M., Allen, J.J.B., Kaszniak, A.W., & Marsolek, C.M. (1996). An Event Related Brain Potential Examination of Using Masked Visual Cues to Manipulate Early Attentional Processing In Elderly Subjects. *Psychophysiology*, 33, S75.
- Shen, B., Allen, J.J.B., (1996). Characterization of P3 using matching pursuit. *Psychophysiology*, 33, S7.
- Allen, J.J.B., Harmon-Jones, E. & Cavender, J.H. (1997). Manipulation of Frontal EEG Asymmetry Alters Self-reported Affect and Facial EMG. *Psychophysiology*, 34, S17.
- Allen, J.J.B., Reiner, J., Katsanis, J., & Iacono, W.G. (1997). When it is and When it is not: The Heritability of Frontal EEG Asymmetry. *Psychophysiology*, 34, S17.
- Harmon-Jones, E., & Allen, J.J.B. (1997). Voluntary activation of facial muscles alters the frontal asymmetry in EEG activity. *Psychophysiology*, 34, S42.
- Myers, L.A., Kline, J.P., Allen, J.J.B., & Schwartz, G.E. (1997). Spontaneous blink rates predict resting anterior electroencephalographic asymmetry. *Psychophysiology*, 34, S66.
- Dikman, Z.V., Allen, J.J.B., Gray, J., & Jun, S. (1997). The effect of reward and punishment on ERN amplitude in high and low socialized students. *Psychophysiology*, 34, S31.
- Nadel, L., Allen, J.J.B., Bohbot, V.D., Kalina, M., Stepankova, K. (1997). Hippocampal and parahippocampal role in processing spatial configurations in humans: ERP and lesion data. *Neuroscience Abstracts*.
- Arndt, J., Allen, J.J.B., & Greenberg, J. (1998). The effect of subliminal death primes on facial EMG; Searching for the terror in terror management. *Psychophysiology*, 35, S18.
- Coan, J.A., Allen, J.J.B., & Harmon-Jones, E. (1998). Manipulating frontal brain activation with facial muscle movement. *Psychophysiology*, 35, S25.
- Allen, J.J.B., Mertens, R., & Dikman, Z.V. (1998). Stimulus-locked and response-locked potentials in the detection of deception. *Psychophysiology*, 35, S16.
- Allen, J.J.B. & Dikman, Z.V. (1998). Greed and fear: Error monitoring in low and high socialized individuals. *Psychophysiology*, 35, S8.
- Urry, H.L., Hitt, S.K. & Allen, J.J.B. (1999). Internal consistency and test-retest stability of resting EEG alpha symmetry in major depression *Psychophysiology*, 36, S116.
- MacDohmhail, S., Allen, J.J.B., Katsanis, J., & Iacono, W.G. (1999). Heritability of frontal alpha asymmetry. *Psychophysiology*, 36, S74.
- Mertens, R. & Allen, J.J.B. (1999). What the P300 does not know: No compelling evidence of differences between true and false memories in the Deese paradigm *Psychophysiology*, 36, S80.
- Hitt, S.K. & Allen, J.J.B. (1999). Self-disclosure in clinically depressed individuals: The effect on autonomic measures. *Psychophysiology*, 36, S60.
- Coan, J.A., Allen, J.J.B., & Harmon-Jones, E. (1999). Approach/withdraw motivational states, emotion, and facial feedback *Psychophysiology*, 36, S41. (Note: Won Tursky Award for best student poster.)
- Chambers, A.S. & Allen, J.J.B. & (1999). Predicting treatment response in major depression with respiratory sinus arrhythmia *Psychophysiology*, 36, S40.
- MacDohmhail, S., Allen, J.J.B., & Urry, H.L. (2000). Repetition priming with emotionally valenced pictures. *Psychophysiology*, 37, S65.
- Allen, J.J.B. (2000). The state and trait nature of frontal EEG asymmetry in emotion. *Psychophysiology*, 37, S18.
- Coan, J.A., & Allen, J.J.B. (2000). Frontal EEG asymmetry in response to directed facial actions and its relationship to resting trait levels. *Psychophysiology*, 37, S18.

- Mertens, R. & Allen, J.J.B (2000). P3 amplitude does not distinguish true from false memories when subjects rate confidence in the Deese paradigm. *Psychophysiology*, 37, S71..
- Haluschak, A., Coan, J.A., & Allen, J.J.B. (2000). Vagal tone and directed facial actions depicting primary emotions. *Psychophysiology*, 37, S46.
- Coan, J.A., & Allen, J.J.B. (2000). Trait frontal alpha asymmetry and its relationship to the behavioral activation system (BAS). *Psychophysiology*, 37, S33.
- Bohbot, V., Dumoulin, S., Petrides, M., Allen, J.J.B., Evans, A., & Dagher, A. (2000). Experience dependent modulation of medial temporal lobe fMRI activity, *NeuroImage*, 11, 367.
<http://www.academicpress.com/www/journal/hbm2000/7051.html>
- Payne, J.D., Allen, J.J.B., Nadel, L., & Jacobs, W.J. Stressed subjects show increased false memories. *Neuroscience Abstracts* 2000.
- Allen, J.J.B., Vrana, S.R., Peasley-Miklus, C., Chambers, A.S., Movius, H.L. (2001). The many metrics of cardiac chronotropy. *Psychophysiology*, 38, S20.
- Coan, J. A., & Allen, J.J.B. (2001). Relative left frontal EEG activation at rest predicts likelihood and intensity of positive and negative self-reported emotional experiences. *Psychophysiology*, 38, S33
- Dikman, Z.V., Allen, J.J.B., & Movius, H.L. (2001). Vagal tone and defensiveness: More data to make defensive people defensive. *Psychophysiology*, 38, S36.
- Nazarian, M., & Allen, J.J.B. (2001). Complex reinforcement contingencies render EEG asymmetry biofeedback training ineffective. *Psychophysiology*, 38, S70.
- Urry, H.L. & Allen, J.J.B. (2001). Individual differences in effortful inhibition of affective responses to pictures. *Psychophysiology*, 38, S96.
- Hitt, S.K., Allen, J.J.B., & Schnyer, R.N. (2001). Nonspecific therapeutic process factors influence outcome in evaluating the efficacy of acupuncture as a treatment for Major Depression. *Journal of Herbal Pharmacotherapy*.
- Taitano, K., Schnyer, R., Allen, J.J.B., Manber, R., and Hitt, S.K. (2001). The psychophysiology of yin and yang. *Journal of Herbal Pharmacotherapy*.
- Allen J.J.B. (2002). Calculating metrics of cardiac chronotropy: A pragmatic overview. *Psychophysiology*, 39, S18.
- Chambers, A.S., Allen, J.J.B., & Ertter, K.(2002). Vagal Tone, Sex, and Age in a clinically depressed sample. *Psychophysiology*, 39, S25.
- Coan, J.A., Allen, J.J.B., & McKnight, P.E. (2002).The generalizability of trait and state-manipulated frontal EEG asymmetry. *Psychophysiology*, 39, S26.
- Mertens, R. & Allen, J.J.B. (2002). Erroneous classification of false memories as veridical: Possible limits of ERP based memory assessments. *Psychophysiology*, 39, S59.
- O'Connor, M.F., Allen, J.J.B., & Kaszniak, A.W. (2002). Self-regulation and positive emotion in bereavement. *Psychophysiology*, 39, S62.
- Elgavish, E., Halpern, D., Dikman, Z.V., & Allen, J.J.B. (2003). Does frontal EEG asymmetry moderate or mediate responses to the International Affective Picture System (IAPS)? *Psychophysiology*, 40, S38.
- Chambers, A.S., Allen, J.J.B., Figueredo, A.J., & Kaszniak , A.W. (2003). An empirical test of a vagal subtype of Major Depression. *Psychophysiology*, 40, S32.
- Coan, J.A.,Allen, J.J.B., Malone, S., & Iacono, W.G. (2003). The heritability of trait midfrontal EEG asymmetry and negative emotionality: Sex differences and genetic nonadditivity. *Psychophysiology*, 40, S34.
- Hug, A., Rupp, M., & Allen, J.J.B. (2003). A comparison of cordance and traditional EEG asymmetry in depression. *Psychophysiology*, 40, S49.
- Hug, A., Rupp, M., & Allen, J.J.B. (2003). A comparison of cordance and traditional EEG asymmetry in voluntary facial expression. *Psychophysiology*, 40, S49.
- Trujillo, L., Dikman, Z.V., & Allen, J.J.B. (2003). The activating effect of errors in high and low socialized students. *Psychophysiology*, 40, S86.
- Mertens, R., Allen, J.J.B., Culp, N., & Crawford, L. (2003). The detection of deception using event-related potentials in a highly realistic mock-crime scenario. *Psychophysiology*, 40, S60.

- Elgavish, E., Halpern, D., & Allen, J.J.B. (2004). Premenstrual distress and frontal alpha EEG asymmetry. *Psychophysiology*, *41*, S25.
- Martens, A., Allen, J.J.B., Greenberg, J., Johns, M., & Arndt, J. (2004). Exploring the relationship between self-esteem and vagal tone. *Psychophysiology*, *41*, S25.
- McDonald, N.C., Dikman, Z.V., & Allen, J.J.B. (2004). Dopaminergic activity as a moderator of ERN amplitude. *Psychophysiology*, *41*, S25.
- Dikman, Z.V. & Allen, J.J.B. (2004). ERPs to affective pictures and startle probes: Arousing attention to affect. *Psychophysiology*, *41*, S95.
- Allen, J.J.B., Demeree, H.A., McKnight, K.M., Moreno, F.A., & Delgado, P. (2005). Alteration of frontal EEG asymmetry during tryptophan depletion predicts risk for future depression. *Psychophysiology*, *42*, S30.
- Trujillo, L.T., Peterson, M.A., & Allen, J.J.B. (2005). Human ERP correlates of cross-edge competition during figure assignment. *Neuroscience Abstracts*.
- Cavanagh, J., & Allen, J.J.B. (2006). Emotional Response to Social Evaluative Threat: Implications on Performance Monitoring. *Psychophysiology*, *43*, S29.
- Santerre, C., & Allen, J.J.B. (2006). Acceptance vs. Suppression of Intrusive Cognitions in Undergraduates with Obsessive-Compulsive Characteristics. *Psychophysiology*, *43*, S85.
- Towers, D.N., & Allen, J.J.B. (2006). A Better Estimate of the Internal Consistency Reliability Of Frontal EEG Asymmetry. *Psychophysiology*, *43*, S98.
- Towers, D.N., & Allen, J.J.B. (2006). An Actuarial Approach to the Identification of Artifacts in Large Data Sets of Frontal EEG Asymmetry. *Psychophysiology*, *43*, S99.
- Allen, J.J.B., Demeree, H.A., McKnight, K.M., Moreno, F.A., & Delgado, P. (2006). Alteration of frontal EEG asymmetry during tryptophan depletion predicts risk for future depression. (Symposium) *Psychophysiology*, *43*, S14.
- Hasler, B. P., & Allen, J. J. B. (2007). Morningness-eveningness's relationship to depression is mediated by positive, not negative, affect. *Sleep*, *30*, A60.
- Bismark, A., Kelley, L., & Allen, J.J.B. (2007). The Role of Reward Expectancy on the Generation of Feedback Related Negativity (FRN). *Psychophysiology*, *44*, S30.
- Chambers, A.S., & Allen, J.J.B. (2007). Respiratory Sinus Arrhythmia Predicts Mood in Third Trimester in Anxious Pregnant Women. *Psychophysiology*, *44*, S30.
- Forbes, C.E., Schmader, T., & Allen, J.J.B. (2007). Measuring Stigma's Effects on Neuronal Indices of Error Perception and Error Evaluation in Psychologically Disengaged Minorities. *Psychophysiology*, *44*, S30.
- Kirsch, L.G., Becker, J.V., & Allen, J.J.B. (2007). Do you feel like we do?: Development and testing of an objective measure of empathic emotional responding. *Psychophysiology*, *44*, S30.
- Gruendler, T.O.J., Cavanagh, J., Frank, M.J., & Allen, J.J.B. (2007). Modulation of the ERN in lose/lose trials in individuals with obsessive-compulsive and depressive symptomology. *Psychophysiology*, *44*, S30.
- Towers, D.N., & Allen, J.J.B. (2007). Internal Consistency Reliability of Frontal EEG Asymmetry. *Psychophysiology*, *44*, S8.
- Stewart, J.L., Bismark, A.W., Coan, J.A., & Allen, J.J.B. (2008). Comorbid worry predicts relative right frontal brain activity. (to be presented at the annual meeting of the Society for Psychophysiological Research, Austin, TX, October, 2008)
- Bismark, A.W., Stewart, J.L., Coan, J.A., & Allen, J.J.B. (2008). Serotonergic Receptor Genetics: Contributions to EEG Asymmetry (to be presented at the annual meeting of the Society for Psychophysiological Research, Austin, TX, October, 2008)
- Bismark, A.W., Stewart, J.L., Coan, J.A., & Allen, J.J.B. (2008). Serotonergic Receptor Genetics: Contributions to EEG Asymmetry. *Psychophysiology*, *45*, S57.
- Chambers, A.S., & Allen, J.J.B. (2008). Cardiac Vagal Control as a Predictor of Outcome in a Stress Reduction Intervention During Pregnancy. *Psychophysiology*, *45*, S58.
- Cavanagh, J.F., Cohen, M.X., & Allen, J.J.B. (2008). Prelude to and Resolution of an Error: EEG Synchrony Reveals the Ongoing Dynamics of Performance Monitoring. *Psychophysiology*, *45*, S32.

- Cavanagh, J.F., Frank, M.J., & Allen, J.J.B. (2008). Things Are Going Worse Than Expected: An Examination of Neural Systems Altered By Stress. *Psychophysiology*, 45, S32.
- Dorjee Khenchen, D., Garrett, M.F., & Allen, J.J.B. (2008). Frontal Mechanisms in Language Pragmatics: Evidence from Event-Related Potentials. *Psychophysiology*, 45, S99.
- Forbes, C., Schmader, T., & Allen, J.J.B. (2008). Using Alpha and Theta Power to Assess the Indirect Relationship between Stereotype Threat, Self-doubt, and the Allocation of Attention and Memory Encoding Processes. *Psychophysiology*, 45, S58.
- Kaczurkin, A., Cavanagh, J.F., Gründler, T.O.J., & Allen, J.J.B. (2008). Error-related Negativity is Associated with Resting Hemispheric Asymmetry. *Psychophysiology*, 45, S57.
- Kosloff, S., Allen, J.J.B., & Greenberg, J. (2008). The Psychophysiology of Terror Management: Mortality Salience Decreases Respiratory Sinus Arrhythmia. *Psychophysiology*, 45, S33.
- Pu, J., Movius, H.L., & Allen, J.J.B. (2008). Resting Cardiac Vagal Control Predicts Speed of Recovery During a Mental Stressor. *Psychophysiology*, 45, S99.
- Ray, C.A., Sokal, B., Allen, J.J.B., & Kaszniak, A.W. (2008). Beating Hearts And Sweaty Palms: Mean Skin Conductance Response During Fear Conditioning Is Larger For Those With Lower Resting Respiratory Sinus Arrhythmia. *Psychophysiology*, 45, S32.
- Bismark, A.W., Stewart, J.L., Coan, J.A., & Allen, J.J.B. (2009). Interaction Between 5HT1A Receptor Alleles, PSWQ & Frontal EEG Asymmetry. *Psychophysiology*, 46, S80
- Cavanagh, J.F., Frank, M.J., Klein, T.J., & Allen, J.J.B. (2009). Medial PFC Theta Power Scales with Degree of Negative Feedback Prediction Error. *Psychophysiology*, 46, S79
- Povzner, A., Allen, J.J.B., O'Donnell, R., Brody, A.E., & Weihs, K.L. (2009). Resting Cardiac Vagal Control and Quality of Partner Relationship in Women Newly Diagnosed with Breast Cancer. *Psychophysiology*, 46, S80
- Pu, J., Wu, L., & Allen, J.J.B. (2009). Cardiac Vagal Control and Depression: the Moderating Effect of Sex. *Psychophysiology*, 46, S80
- Stewart, J.L., Coan, J.A., Bismark, A.W., Towers, D.N., & Allen, J.J.B. (2009). Patterns of State and Trait Regional Brain Activity in Depression Support the Capability Model of EEG Asymmetry. *Psychophysiology*, 46, S81
- Velo, J.R., Stewart, J.L., Hasler, B.P., Towers, D.N., & Allen, J.J.B. (2009). Should it Matter When We Record? Time of Year and Time of Day as Factors Influencing Frontal EEG Asymmetry. *Psychophysiology*, 46, S81
- Stewart, J.L., Bismark, A.W., Towers, D.N., Coan, J.A., & Allen, J.J.B. (2009). Resting Frontal EEG Asymmetry as an Endophenotype for Depression Risk: Sex-specific Patterns of Frontal Brain Asymmetry. *Psychophysiology*, 46, S24
- Cavanagh, J.F., Gründler, T.O.J., Frank, M.J., & Allen, J.J.B. (2009). Damned if You Do, Damned if You Don't: Dissociation of Error Monitoring Systems in OCD. *Psychophysiology*, 46, S24
- Bismark, A.W., Stewart, J.L., Coan, J.A., & Allen, J.J.B. (2010). Associations Between Serotonin Transporter (SERT) Risk Alleles & Parietal EEG Asymmetry. *Psychophysiology*, 47, S35.
- Cavanagh, J.F., Zambrano-Vazquez, L., & Allen, J.J.B. (2010). Theta Activity Underlies Generic Mediofrontal Functions and Reactions to Novelty, Error, Punishment, and Conflict. *Psychophysiology*, 47, S35.
- Povzner, A., Allen, J.J.B., O'Donnell, R., Brody, A.E., & Weihs, K.L. (2010). Cardiac Vagal Control as a Prospective Predictor of Anxiety in Women Diagnosed with Breast Cancer. *Psychophysiology*, 47, S35.
- Sanguinetti, J. L., Ash, K.M., Peterson, M.A. & Allen, J.J.B. (2010). Electrophysiological Evidence for Cross-Edge Competition During Figure-Ground Perception. *Psychophysiology*, 47, S77.
- Stewart, J.L., Towers, D.N., Coan, J.A., & Allen, J.J.B. (2010). The Oft-Neglected Role of Parietal EEG Asymmetry and Risk for Major Depressive Disorder. *Psychophysiology*, 47, S68.
- Stewart, J.L., Coan, J.A., & Allen, J.J.B. (2010). Approaching Men and Withdrawing Women: Sex-Specific Relationships of Coping Styles to Frontal EEG Asymmetry. *Psychophysiology*, 47, S84.
- Zambrano-Vazquez, L., Cavanagh, J.F., & Allen, J.J.B. (2010). Mediofrontal Theta and Personality Traits. *Psychophysiology*, 47, S55.

- Kogan, A.V., & Allen, J.J.B. (2011). Cardiac Vagal Control during Handholding and Duration of Romantic Relationships in College Couples. *Psychophysiology*, 48, S72.
- Zambrano-Vazquez, L., Grill, A., Kamp, J., Zhang, J., & Allen, J.J.B. (2011). Obsessed, Worried, or Anxious about Mistakes: An Error-related Negativity Study. *Psychophysiology*, 48, S72.
- Sanguinetti, J.L., Cavanagh, J.F., Allen, J.J.B., & Sherman, S.J. (2011). Dissociating Proactive and Reactive Conflict in the Subthalamic Nucleus. *Psychophysiology*, 48, S72.
- Velo, J.R., & Allen, J.J.B. (2011). Resting Posterior versus Anterior Theta Power: Exploring the Relationship to Approach and Withdrawal Traits. *Psychophysiology*, 48, S72.
- Kogan, A.V., Allen, J.J.B., Weihs, K.L. (2011). Cardiac Vagal Control, Anxiety, and Quality of Partner Relationship in Breast Cancer. *Psychophysiology*, 48, S11.
- Bismark, A.W., Iacono, W.G., Malone, S.M., & Allen, J.J.B. (2012). The heritability of frontal eeg asymmetry: reference and sex differences. *Psychophysiology* 49, S73.
- Kogan, A.V., & Allen, J.J.B. (2012) Cardiac vagal control and attachment in college couples: Does gender play a role? *Psychophysiology* 49, S78.
- Roller, B., Zambrano-Vazquez, L., & Allen, J.J.B. (2012). The impact of obsessions, compulsions, worry, and anxiety on the Feedback-related Negativity. obsessive-compulsive symptomatology. *Psychophysiology* 49, S79.
- Smith, E., Zambrano-Vazquez, L., Dieckman, L., & Allen, J.J.B. (2012). Parietal EEG alpha symmetry and obsessive-compulsive symptomatology. *Psychophysiology* 49, S78.
- Zambrano-Vazquez, L., & Allen, J.J.B. (2012). The role of obsessive-compulsive, worry, and anxiety symptoms in performance monitoring. *Psychophysiology* 49, S79.
- Allen, J.J.B., Hewig, J.S., Hecht, H., Miltner, W.H.R., & Schnyer, D.M. (2013). Linking resting state EEG asymmetry to resting state fMRI with simultaneous recordings. *Psychophysiology*, 50, S35.
- Hewig, J.S., Allen, J.J.B., Richter, C., Hecht, H., & Miltner, W.H.R. (2013). Emotion effects on the neural basis of decision-making in the ultimatum game. *Psychophysiology*, 50, S29.
- Goldstein, M.R., Smith, E.E., Cavanagh, J.F., & Allen, J.J.B. (2013). Ventral cortical sources of EEG alpha power predict mood variability. *Psychophysiology*, 50, S36.
- Smith, E.E., Cavanagh, J.F., & Allen, J.J.B. (2013). Where it's at: Estimating sources of resting-state frontal EEG alpha asymmetry. *Psychophysiology*, 50, S36.
- Kogan, A.V., & Allen, J.J.B. (2013). Communication patterns and frontal asymmetry during discussions of disagreements in romantic partners. *Psychophysiology*, 50, S36.
- Sanguinetti, J.L., Smith, E.E., Dieckman, L., Vanuk, J., Hameroff, S., & Allen, J.J.B. (2013). Noninvasive transcranial ultrasound (TUS) for brain stimulation: Effects on mood in a pilot study. *Psychophysiology*, 50, S36.
- Dieckman, L.W., Medrano, M.R., Tate, J., Zambrano-Vazquez, L., & Allen, J.J.B. (2013). Levator is associated with motivational direction during anger and disgust inducing films. *Psychophysiology*, 50, S36.
- Alkozei, A., Creswell, C., Cooper, P.J., & Allen, J.J.B. (2013). Autonomic flexibility in childhood anxiety disorders. *Psychophysiology*, 50, S36.
- Zambrano-Vazquez, L., Schmidt, A., & Allen, J.J.B. (2013). The relationship between OCD and RSA as explained by worry. *Psychophysiology*, 50, S37.
- Herring, D.R., Terrazas, G., Jabeen, L.N., Kidder, C.K., Allen, J.J.B., Rosenfeld, J.P., & Crites, S.L. (2013). An intra-individual event-related potential-based concealed attitude test. *Psychophysiology*, 50, S42.
- Strickland, C.M., Yancey, J., Vaidyanathan, U., Arsal, G., Allen, J.J.B., & Patrick, C.J. (2013). Alpha power and alpha asymmetry: Relations to psychopathology. *Psychophysiology*, 50, S98.
- Gustavson, K, May, L., & Allen, J.J.B. (2014). Heart Rate Variability as a Proxy for Fetal Programming: The Effect of Maternal Exercise. European Study Group on Cardiovascular Oscillations, ESGCO 2014, Trento, Italy.
- Sanguinetti, J.L., Smith, E.E., Tyler, J., Hameroff, S., & Allen, J.J.B. (2013). Transcranial ultrasound (TUS) brain stimulation affects mood in healthy human volunteers with a prototype ultrasound device. *Psychophysiology*, 51, S42.

- Vanuk, J., Sbarra, D.A., & Allen, J.J.B. (2014). Vagal control, life stress, and negative affect: men amplify resting cardiac vagal control with life stress. *Psychophysiology*, 51, S41.
- Zambrano-Vazquez, L. Morrow, J.K., & Allen, J.J.B. (2014). Erring before and after worrying: The effects of worry induction on ERN amplitude. *Psychophysiology*, 51, S42.
- Janssen, CHW, Hanusch, K, & Allen, J.J.B. (2014). Effect of a unilateral massage on frontal EEG and positive / negative affect – a pilot study. *Psychophysiology*, 51, S42.
- Medrano, M.R., Smith, E.E., Casillas, M., & Allen, J.J.B. (2014). Implicit prejudices: brain electrical activity responds to stereotype incongruence. *Psychophysiology*, 51, S42.
- Reznik, S.J., Zambrano-Vazquez, Medrano, M., & Allen, J.J.B. (2015). Racing minds, racing hearts: The interaction of state and trait anxiety on respiratory sinus arrhythmia (RSA). *Psychophysiology*, 52, S51
- Zambrano-Vazquez, Ziebell, P., Bowles, A.E., McGarrh, D.A., & Allen, J.J.B. (2015). The interaction between trait and state worry on the ERN during a worry induction task. *Psychophysiology*, 52, S35.
- Wiley, J. F., Weihs, K. L., Crespi, C. M., Krull, J. L., Allen, J. J.B., & Stanton, A. L. (2016). Intraindividual variability in cancer-related avoidance coping predicts depressive symptoms. Presented at the Annual Meeting of the American Psychosomatic Society., Denver, CO.
- Goldstein, M.R., Lewin, R.K. Bailey, E.F., & Allen, J.J.B. (2016). Effects of preceding sleep on physiological responses to a laboratory stress induction. *Sleep*.
- Curham, K.J., & Allen, J.J.B. (2016). Multivariate phase covariance analysis: A new approach to revealing functional connectivity in eeg time-series. *Psychophysiology*, 53, S64.
- Vanuk, J.R., Allen, J.J.B., & Killgore, W.D.S. (2016). Heart rate variability during light exposure and subsequent network connectivity patterns. *Psychophysiology*, 53, S53.
- Sanguinetti, J.L., Smith, E., Goldstein, M.R., Tyler, W.J., Hameroff, S., & Allen, J.J.B. (2016). Transcranial ultrasound (TUS) effects on mood, vigor, and non-attachment.
- Do Carmo Blanco, N., Jozefowicz, J., & Allen, J.J.B. (2016). Selective attentional bias to explicitly and implicitly predictable outcomes. *Psychophysiology*, 53, S76.
- Curham, K.J., & Allen, J.J.B. (2017). Identifying State-dependent Modulations In Functional Connectivity: A Group Theoretic Baseline-Correction. *Psychophysiology*, 54, S138.
- Dieckman, L.W., & Allen, J.J.B. (2017). Support Vector Machine Prediction of Blended Emotional Reactions to Film: Continuous Self-Report, Face and Neck EMG. *Psychophysiology*, 54, S155.
- Ding, Y., & Allen, J.J.B. (2017). Within-subjects Modulation of EEG Alpha Activity by Cardiac Vagal Control. *Psychophysiology*, 54, S60.
- Goldstein, M.R., Lewin, R.K., Bailey, E.F., & Allen, J.J.B. (2017). Alterations in stress physiology following yogic breathing and cognitively based psychosocial workshops for college students: A randomized controlled trial. *Psychophysiology*, 54, S114.
- Smith, E.E., Cohen, M.X., & Allen, J.J.B. (2017). Guided source separation for phase-amplitude coupling using generalized eigendecomposition (GEDCFC) in a sample of contact-collision athletes. *Psychophysiology*, 54, S93.

Selected Invited Addresses, and Selected Conference and Meeting Presentations not appearing as Published Abstracts:

- Allen, J.J. *A Developmental Approach to Self-Monitoring Behavior*. Presented at the annual convention of the Speech Communication Association, Denver, Colorado, November, 1985. (Received Top Student Paper designation)
- Allen, J.J. *A Controlled Acupuncture Treatment Study for Depression in Women*. Invited presentation at the National Institutes of Health Office of Alternative Medicine FY93 Awardee's Conference, Rockville, MD, March, 1994.
- Allen, J.J. *EEG Asymmetry as a Risk Indicator for Depression*. Presented at the 4th annual Psychopharmacology Review, sponsored by the University of Arizona College of Medicine Department of Psychiatry, Tucson, Arizona, February, 1995.

- Allen, J.J. *Methods for Obtaining Statistically-Supported Classifications for Individual Subjects on the Basis of Event-Related Potential Data*. Invited address presented at the Workshop on Advancements in the Field of Electrophysiology, sponsored by Neuroscan, 31 March - 1 April, 1995, Mexico City.
- Allen, J.J.B. *Preliminary Findings on the Efficacy of Acupuncture as a Treatment for Unipolar Depression*. Invited address at the meeting of the Drug Information Association (DIA), Orlando, Florida, June, 1995.
- Allen, J.J.B. *Event-related Potentials in Posthypnotic Amnesia: Methodology for Making Statistically-Supported Assessments of Individual Subjects*. Invited address, Tilburg University, Tilburg, The Netherlands, September, 1995.
- Allen, J.J.B. *Assessing Deception in Practice and in the Laboratory*. Invited presentation at the Southern Arizona Psychological Association "Back to School II" continuing education seminar, Tucson, Arizona, January, 1996.
- Allen, J.J.B. *Assessing Memory and Deception: Brain Potentials and Individual Differences*. Invited colloquium, University of San Diego, April, 1996.
- Allen, J.J.B. Hitt, S.K., & Schnyer, R.N. *Getting the Point: Acupuncture Appears to Have Efficacy in the Treatment of Major Depression, Beyond Nonspecific Effects*. Presented as a paper at the annual meeting of the North American Chapter of the SPR, Tucson, AZ, December, 1997.
- Allen, J.J.B. *Acupuncture in the Treatment of Depression*. Invited address, Southern Arizona Psychological Association (SAPA) continuing education luncheon. Tucson, October 20, 1998.
- Allen, J.J.B. *A Clinical Trial of Acupuncture in Depression*. Invited address, Alternative Medicine and Psychiatry Conference, Ottawa, Canada, November, 1998.
- Allen, J.J.B. *Acupuncture and Depression; usage trends and Empirical Evidence*. Invited presentation at Back to School III, a continuing education event sponsored jointly by the Southern Arizona Psychological Association (SAPA) and the Department of Psychology of The University of Arizona; Tucson, Arizona, January, 1999.
- Allen, J.J.B. *Acupuncture in the Treatment of Depression*. Invited address for the Pharmacology Update Conference, February 25, 1999, Tucson.
- Allen, J.J.B. *Getting the Point Acupuncture in the Treatment of Depression*. Invited address, Faculty Lecture Series, March 22, 1999, University of Arizona Health Sciences Center.
- Allen, J.J.B., Schnyer, R.N., & Hitt, S.K. *The Efficacy of Acupuncture in the Treatment of Depression*. Invited presentation at the meeting of the Western Association for Biological Psychiatry, Tucson, April, 1999.
- Allen, J.J.B. *The Efficacy of Acupuncture in the treatment of Depression*. Invited address to the Southern Arizona Mental Health Corporation, Tucson, AZ, April, 1999.
- Allen, J.J.B. *The Efficacy of Acupuncture in the treatment of Depression*. Invited submission as part of the symposium *Alternative Therapies in Depression and Anxiety*. Annual Meeting of the American Psychiatric Association, , Washington, D.C., May, 1999.
- Allen, J.J.B. *Getting the Point: Acupuncture in the treatment of Depression*. Invited Grand Rounds, Department of Psychiatry, University of Arizona, November, 1999.
- Allen, J.J.B. *Acupuncture in the Treatment of Depression*. Invited Grand Rounds, Mental Health Continuing Education Forum, Southern Arizona V.A. Health Care System, Tucson, Arizona, January, 2000.
- Allen, J.J.B. *Acupuncture in the Treatment of Depression*. Invited address for the Pharmacology Update Conference, February 24, 2000, Tucson.
- Allen, J.J.B. *Integrating the Web with Tier 1 Courses*. Presented at the Learning Technology Showcase, University of Arizona, Tucson, May 4, 2000.
- Allen, J.J.B. *Acupuncture and Depression*. Invited address to the National Depression Manic Depression Society. Boston, MA, August 13, 2000.
- Allen, J.J.B. *Socialization, Psychopathy, and Error Monitoring*. Invited presentation at "Executive Control, Errors, and the Brain" in Jena, Germany, September, 2000.
- Allen, J.J.B. *Assessing Amnesia In Dissociative Identity Disorder: The ABCs of ERPs in DID*. Invited presentation, University of Virginia Department of Psychology, September, 2000.

- Allen, J.J.B. *Acupuncture and Depression*. Invited presentation as part of the University of Arizona *Salon Series* for the public. Tucson, October, 2000.
- Allen, J.J.B. *Psychophysiology and Clinical Assessment: ERPs in the Evaluation of Memory*. Invited Address for the Distinguished Scientific Award for an Early Career Contribution to Psychophysiology, San Diego, October, 2000.
- Allen, J.J.B. *The Nature of Amnesia in Dissociative Identity Disorder: A Psychophysiological Approach*. Invited colloquium for Grand Rounds at Western State Psychiatric Hospital, Staunton, VA, February, 2001.
- Allen, J.J.B. *Getting the Point: Acupuncture in the treatment of Depression*. Invited colloquium for Grand Rounds at Western State Psychiatric Hospital, Staunton, VA, April, 2001.
- Schnyer, R.N. , Allen, J.J.B. , Manber, R. , & Hitt. S.K. (2001). *Evaluating Inter-Rater Reliability Of The Assessment Of Major Depression From The Perspective Of Chinese Medicine: Rationale, Methodological Challenges, And Preliminary Solutions*. Presented at the *International Scientific Conference on Complementary, Alternative and Integrative Medical Research*, San Francisco, CA May 17-19, 2001.
- Schnyer, R.N. , Allen, J.J.B. (2001). *Bridging The Gap In Acupuncture Research: Flexibility Of Treatment Vs. Standardization*. Presented at the *International Scientific Conference on Complementary, Alternative and Integrative Medical Research*, San Francisco, CA May 17-19, 2001.
- Manber, R, Schnyer, R.N., Chambers, A., & Allen, J.J.B. (2001). *The Effects Of Acupuncture For Depression on Sleep Disturbance*. Presented at the *International Scientific Conference on Complementary, Alternative and Integrative Medical Research*, San Francisco, CA May 17-19, 2001.
- Allen, J.J.B. *Getting the Point: Acupuncture in the treatment of Depression*. Invited colloquium Washington & Lee University, Lexington, VA, May, 2001.
- Allen, J.J.B. *The Nature of Amnesia in Dissociative Identity Disorder: A Psychophysiological Approach*. Invited colloquium for Grand Rounds at Catawba Psychiatric Hospital, Roanoke, VA, June, 2001.
- Allen, J.J.B. *The Nature of Amnesia in Dissociative Identity Disorder: The ERPs of DID*s. Invited colloquium, Department of Psychology, University of Arizona, September, 2001.
- Allen, J.J.B. *Getting the Point: Acupuncture in the treatment of Depression*. Invited talk, University of Arizona School of Public Health, November, 2001.
- Allen, J.J.B. *The Nature of Amnesia in Dissociative Identity Disorder*. Invited presentation at Back to School, a continuing education event sponsored jointly by the Southern Arizona Psychological Association (SAPA) and the Department of Psychology of The University of Arizona; Tucson, Arizona, February, 2002.
- Allen, J.J.B. *Acupuncture in the Treatment of Depression*. Invited address for the Pharmacology Update Conference, February 19, 2002, Tucson.
- Taitano K, Schnyer R, Allen JJB, Manber R, Hitt SK: *The Psychophysiology of Yin and Yang*, International Scientific Conference on Alternative and Integrative Medicine Research. Boston, 2002
- Allen, J.J.B. *The Nature of Amnesia in Dissociative Identity Disorder: A Psychophysiological Approach*. Invited colloquium for the Department of Psychology, University of Texas, El Paso, El Paso, TX, March 2002.
- Allen, J.J.B. *Points to Consider: Challenges in Acupuncture Research in Depression*. Invited talk for the Department of Psychiatry, Depression Research Program, Massachusetts General Hospital, Harvard Medical School, Boston, MA. May 2002.
- Allen, J.J.B. *The Nature of Amnesia in Dissociative Identity Disorder: A Psychophysiological Approach*. Invited colloquium for the Department of Psychology, Northwestern University, Evanston, IL, May 2002.
- Allen, J.J.B. *The Promise and Limitations of ERPs for Assessing Deception*. Invited talk for the Invited Symposium, Meeting of the *American Psychological Society*, New Orleans, June 2002.
- Allen, J.J.B. & Mertens, R. *Can ERPs Distinguish Veridical from False Recognition in Individual Subjects?* Invited Paper at the annual meeting of the Society for Psychophysiological Research, Washington, DC, October 2002.
- Allen, J.J.B. (2003). *Brain Electrical Activity and Homeland Security: Promising Technology or Premature Hype?* Invited presentation, Neuroscience Datablitz, University of Arizona Program In Neuroscience,

- Tucson, AZ, January 2003.
- Allen, J.J.B. (2003). *An Alternative to Traditional Lie Detection Techniques using Brain Electrical Activity*. Invited presentation, annual meeting of the Arizona Association of Family and Conciliation Courts, Sedona, AZ, February 2003.
- O'Connor, M., Allen, J.J.B., & Kaszniak, A.W. (2003). *Bereavement Physiology and "Flight" From Intervention*. Presented at the annual meeting of the American Psychosomatic Society, Phoenix Arizona, March, 2003.
- Allen, J.J.B. (2003). *Making use of many preceptors in a class with many more students*. Presented at the Teaching Teams Mini-Conference, University of Arizona, Tucson, AZ, May, 2003.
- Allen, J.J.B., Trujillo, L., Dikman, Z.V. (2003). *The Activating Effect of Errors: A Time-Frequency Examination*. Presented at the meeting "Errors, Conflicts, and the Brain. Current Opinions on Performance Monitoring," Dortmund, Germany, July 3-5, 2003.
- Allen, J.J.B. (2003). *A New (but Cumbersome) Method for Identifying Individuals at Risk for Future Depression*. Presented at the Clinical Psychology Data Deluge, October 14, 2003, University of Arizona, Tucson, AZ.
- Allen, J.J.B. (2003). *Neurophysiology of Cognitive Abnormalities in Depression*. Discussant for the symposium at the annual meeting of the Society for Psychophysiological Research, Chicago, IL, October 2003.
- Allen, J.J.B. (2004). *Lie Detection and the Polygraph: What's the Alternative?* Invited talk to the Tucson Rotary Club, January, 2004.
- Allen, J.J.B. (2004). *Lie Detection: The Problematic Polygraph Test and Some Alternatives*. . Invited presentation at Back to School, a continuing education event sponsored jointly by the Southern Arizona Psychological Association (SAPA) and the Department of Psychology of The University of Arizona; Tucson, Arizona, January, 2004.
- Allen, J.J.B. *The Nature of Amnesia in Dissociative Identity Disorder: The ERPs of DID's*. (2004) Invited colloquium, Department of Psychology, University of Oregon, March, 2004.
- Balcomb, F.K., Gomez, R, & Allen, J.J.B. (2005). *Infant Sensitivity to Different Types of Cues Indicative of Timing and Structure in Social Play Sequences*. Presented at the 2005 Biennial Meeting of SRCD, Atlanta, Georgia, April 2005.
- Allen, J.J.B. (2005) *"Lie" Detection: The Problematic Polygraph Test and Some Potentially (less) Problematic Alternatives*. Invited Address, University of Arizona Colloquium Series, Tucson, February 2005.
- Allen, J.J.B. (2005) *"Lie" Detection: The Problematic Polygraph Test and Some Potentially (less) Problematic Alternatives*. Invited Address, University of Arizona Dean of Students Speakers Series, Tucson, April 2005.
- Allen, J.J.B. (2005) *Utilizing a Personal Response System ("Clickers") in a Very Large Class*. Invited Address, University of Arizona Learning Technology Center, Tucson, April May 2005.
- Allen, J.J.B. *Get the Point: Challenges in Acupuncture Research in Depression*. Invited talk for the Southern Arizona Acupuncture Society, Tucson, AZ, May 2005.
- Allen, J.J.B. (2005) *Is "Brainfingerprinting" ready for Prime Time: Psychological Science and the Detection of Deception*. Invited address, annual meeting of the *American Psychological Society*, Los Angeles, June 2005.
- Allen, J.J.B. (2005) *"Lie" Detection: The Problematic Polygraph Test and Some Potentially (less) Problematic Alternatives*. Invited Address, Arizona Senior Academy, Academy Village, Tucson, August, 2005.
- Allen, J.J.B. (2006) *The Nature of Amnesia in Dissociative Identity Disorder: The ERPs of DID's*. Invited colloquium, Department of Psychology, Rosalind Franklin University of Medicine and Science, January, 2006.
- Allen, J.J.B. (2006). *To Err is to Synchronize: Error-related Frontal Midline Theta Synchronization*. Invited presentation, Neuroscience Community Data Blitz, Tucson, AZ, January, 2006.
- Allen, J.J.B. (2006). *Recognizing and Treating Depression*. Invited Address, Arizona Senior Academy, Academy Village, Tucson, February, 2006.

- Allen, J.J.B. (2006). *Alternative Strategies to assess Student Learning*, presented as an invited talk as part of the Teaching Panel Discussion for the *University Symposium on Re-Thinking our Strategies for Assessing Student Learning*; (Elizabeth Harrison, Symposium Chair)
- Allen, J.J.B. (2006) *The Nature of Amnesia in Dissociative Identity Disorder: The ERPs of DIDs*. Invited colloquium, Department of Psychology, University of Vermont, April, 2006.
- Forbes, C.E., Schmader, T., & Allen, J.J.B. *Measuring Stigma's Effects on Psychological Disengagement using Neuronal Indices of Error Monitoring*. Presented at the annual meeting of the Association for Psychological Science, New York, May 2006.
- Allen, J.J.B. (2007). *A Pragmatic Overview of Brain Scanning Technologies for the non-Neuroscientist*. Invited Address, *Law and Ethics of Brain Scanning: The Next Big Thing Coming Soon to a Courthouse Near You?* Phoenix, Arizona, April 2007.
- Allen, J.J.B. (2007) . *The Promise and Pitfalls of Using Clickers in Large Classes*. Invited Address, University of Arizona Learning Technology Center, Tucson, April May 2007.
- Harle, K. M., Sanfey, A.G., & Allen, J.J.B. *The Impact of Induced Emotion and Depression on Economic Decisions*. Presented at the *Neural Systems of Social Behavior* conference, Austin, TX., May 2007.
- Cavanagh, J., & Allen, J.J.B. *Emotional Reactivity under Social Evaluative Threat: A Social Neuroscience Investigation*. Presented at the meeting of the *Society for Personality and Social Psychology*, Memphis, TN, January 2007.
- Allen, J.J.B. (2007). *The Nature of the Resting Task in EEG Asymmetry Disorder Research*. Invited discussant, Annual meeting of the Society for Psychophysiological Research, Savannah, GA, October, 2007.
- Allen, J.J.B. (2007). *The Nature of Amnesia in Dissociative Identity Disorder: Electrophysiological and Behavioral Evidence*. Invited colloquium, Consciousness Studies Program, University of Arizona, October, 2007.
- Allen, J.J.B. (2007). Lying Liars and the Lies they Tell, Lying Liars and the Lies they Detect: Technologies Change, but the Song Remains the Same. Invited presentation, *Mind, Brain, and Society* mini-conference, Tucson, AZ, October, 2007.
- Allen, J.J.B. (2008). *EEG Asymmetry and Risk for Depression: A Brief Tale of a Skeptic's Journey*. Invited address, Swartz Center for Computational Neuroscience, University of California, San Diego, January, 2008.
- Kirsch, L.G., Becker, J.V., & Allen, J.J.B. (2008). *Do Psychopathic Individuals Really Have Empathy Deficits?: Preliminary Results From an Objective Measure of Empathy*. Presented at the 2008 AP-LS Annual Conference.
- Blank, Y., Allen, J.J.B., Bootzin, R.R., & Manber, R. (2008). *Cardiac Vagal Control, Depression, and Insomnia*. Poster presented at the Associated Professional Sleep Societies (APSS) Meeting, Baltimore, MD.
- Allen, J.J.B. (2008). *Ponderings on Belief and Mechanism*. Invited commentary on the work of Rupert Sheldrake, presented at *Toward a Science of Consciousness*, Tucson, AZ, April 2008.
- Allen, J.J.B. (2008). *The Nature of Amnesia in Dissociative Identity Disorder: The ERPs of DIDs*. Invited colloquium, Department of Psychology, University of Illinois, April, 2008.
- Allen, J.J.B. (2008). *The Nature of Amnesia in Dissociative Identity Disorder*. Invited grand rounds, Department of Psychiatry, University of Arizona, April, 2008.
- Allen, J.J.B. (2008). *Lie Detection: The Problematic Polygraph Test and Some Alternatives*. . Invited presentation for the Southern Arizona Psychological Association (SAPA) CE event, Tucson, Arizona, June, 2008.
- Allen, J.J.B. (2008). *The Role of Functional Neuroimaging in Advancing Psychological Science*. Presented at the annual meeting of the Association for Psychological Science, Chicago, May, 2008.
- Allen, J.J.B. (2009). *Frontal EEG Asymmetry as an Endophenotype for Depression: A Skeptic's Journey*. Invited colloquium, Friedrich-Schiller-Universität, Jena, Germany, October, 2009.

- Allen, J.J.B. (2009). *Frontal EEG Asymmetry as an Endophenotype for Depression: A Skeptic's Journey*. Presidential address presented at the annual meeting of the Society for Psychophysiological Research, Berlin, Germany, October, 2009.
- Allen, J.J.B. (2009). *The Self-organizing Brain: What Does the Brain Do When Scientists Aren't Bothering It, and How Might It Do It?* Invited presentation, Opinions and Discussions on Cognitive Neuroscience: Amsterdam (ODCNA), Amsterdam, The Netherlands, October, 2009.
- Allen, J.J.B. (2010). *The Nature of Amnesia in Dissociative Identity Disorder*. Invited colloquium, Department of Psychology, Texas A&M University, April, 2010.
- Allen, J.J.B. (2010). *The Nature of Amnesia in Dissociative Identity Disorder*. Invited colloquium, Department of Psychology, University of Texas, April, 2010.
- Allen, J.J.B. (2010). *Deconstructing the "resting" state: Exploring the temporal dynamics of resting frontal brain asymmetry as an endophenotype for depression*. Presented at the UA-ASU Cognitive Science Conclave, Arizona State University, Tempe, AZ, November 2010.
- Allen, J.J.B. (2011). *Acupuncture and Depression*. Invited address, Women's Mental Health Symposium, Tucson, AZ, March, 2011.
- Allen, J.J.B. (2011). *Deconstructing the "resting" state to understand self-regulation and risk for depression*. Mini-conference on Neural Systems, SocioEmotional Regulation and Health, University of Arizona, March, 2011.
- Allen, J.J.B. (2011). *The Nature of Amnesia in Dissociative Identity Disorder*. Invited salon, Spirit of the Senses Arts and Cultural Organization, Phoenix, August, 2011.
- Allen, J.J.B. (2011). *Frontal EEG Asymmetry as an Endophenotype for Depression*. Invited colloquium, Texas Tech University, El Paso, November, 2011.
- Allen, J.J.B. (2012). *Acupuncture and Depression*. Invited address, Women's Mental Health Symposium, Tucson, AZ, March, 2012.
- Allen, J.J.B. (2012). *The Nature of Amnesia in Dissociative Identity Disorder*. Invited colloquium, University of Wisconsin – Stout, Menomonie, WI, October, 2012.
- Allen, J.J.B. (2013). *No Lie! Caveats and Cautions in the use of Polygraphy*. Presented at the annual conference of the Arizona Association of Family and Conciliation Courts, Sedona, AZ, February, 2013.
- Folstein, J.R., Allen, J.J.B., & Scalf, P.E. (2013). Category learning off of fixation causes a selective perceptual advantage for relevant dimensions. *Society for Neuroscience*.
- Allen, J.J.B. (2013). *Frontal EEG Asymmetry and Depression*. Invited colloquium, Julius-Maximilians-Universität Würzburg, Germany, June, 2013.
- Allen, J.J.B. (2013). *Frontal EEG Asymmetry and Major Depression: Methodology and Epistemology*. Invited colloquium, Universität Trier, Germany, July, 2013.
- Allen, J.J.B. (2013). *Identifying Neural Systems in Risk for Major Depressive Disorder: It's not Only in Your Head*. Invited colloquium, University of Amsterdam, The Netherlands, July, 2013.
- Allen, J.J.B. (2013). *Neural Correlates of Risk for Depression: Towards a Neurally-informed Treatment Approach*. Invited address, Universität Würzburg, Germany, October, 2013.
- Allen, J.J.B. (2013). *Neural Correlates of Risk for Depression: Towards a Neurally-informed Treatment Approach*. Invited colloquium, University of Reading, UK, October, 2013.
- Allen, J.J.B. (2013). *Multimodal Assessment of Neural Systems for Cognitive Control of Emotions in Depression: Towards a Neurally-informed Treatment Approach*. Invited address for the Karl-Bühler-Lecture, Universität Würzburg, October, 2013.
- Sanguinetti, J.S., Allen J. J. B., Hameroff, S. (2013). *Transcranial Ultrasound Brain Stimulation Increases Positive Affect in Healthy Participants*. Presented at the 2013 Frontiers in Biomedical Research Poster Forum, University of Arizona.
- Allen, J.J.B. (2013). *DSM-5 Changes: Navigating the New Behemoth*. Presented at the Southern Arizona Psychological Association Continuing Education event, November, 2013, Tucson, Arizona.
- Allen, J.J.B. (2013). *EEG and ERP for those who usually study fMRI or other acronyms*. Invited talk, Brain

- Mapping Workshop (BMW), November, 2013, University of Arizona.
- Allen, J.J.B. (2013). *EEG and ERP for those who usually study fMRI or other acronyms: The rest of the story*. Invited talk, Brain Mapping Workshop (BMW), December, 2013, University of Arizona.
- Allen, J.J.B. (2013). *Multimodal Assessment of Neural Systems for Cognitive Control of Emotions in Depression: Towards a Neurally-informed Treatment Approach*. Invited talk, University of Arizona Department of Psychiatry, Tucson, Arizona, December, 2013.
- Allen, J.J.B. (2014). *Key Themes in the Art of Healing*. Invited talk and discussant, Humanities, Medicine, & Wellness Conference, University of Arizona, February, 2014.
- Janssen, C.H.W., Vanuk, J., Anton, T., Hanusch, K., Raison, C.L., Allen J.J.B (2014). *Effects of a Unilateral Massage on Frontal EEG Asymmetry and Negative Affect - A Pilot Study*. Presented at the Wisconsin Symposium on Emotion. Madison, WI, April, 2014.
- Allen, J.J.B. (2014). *DSM-5: Navigating the New Behemoth*. Presented at the Arizona Geriatrics Society Spring Geriatric Mental Health and Aging Conference, Tucson, AZ, April 2014.
- Allen, J.J.B. (2014). *Neural systems underlying risk for depression: Towards a neurally-informed treatment approach*. Invited colloquium, Najooya University, Nagoya, Japan, September 2014.
- Allen, J.J.B. (2014). *Neural systems underlying risk for depression: Towards a neurally-informed treatment approach*. Invited colloquium, Kansei Gaikun University, Osaka, Japan, September 2014.
- Allen, J.J.B. (2014). *Neural systems underlying risk for depression: Towards a neurally-informed treatment approach*. Invited Keynote Address, Internationals Organization of Psychophysiology Congress, Hiroshima, Japan, September 2014.
- Allen, J.J.B. (2014). *Neural systems underlying risk for depression: Towards a neurally-informed treatment approach*. University of Arizona Medical Center Intern Seminar, Tucson, AZ, December, 2014.
- Allen, J.J.B. (2015). *EEG Alpha Asymmetry Moderates Resting State fMRI Connectivity: A Simultaneous EEG/fMRI Study*. Invited presentation at Arizona Research Institute for Biomedical Imaging (ARIBI), University of Arizona, April, 2015.
- Goldstein, M.R., Britton, W.B., Allen, J.J.B., & Bootzin, R.R. (2015). *Effects of a mindfulness-based depression relapse prevention program on quantitative sleep EEG*. Presented at the Annual Meeting of the Associated Professional Sleep Societies (APSS), Seattle, WA, June 2015.
- Hameroff, S., Cooley, S., Sanguinetti, J.L., & Allen, J.J.B. (2015). *'Tuning the brain' – Can transcranial ultrasound ("TUS") treat mental and cognitive disorders?* Invited presentation for the WAAG society ("Institute for art, science and technology), Amsterdam, The Netherlands, June 2015.
- Hameroff, S., Sanguinetti, J.L., Cooley, S., & Allen, J.J.B. (2015). *Tuning Your Mood with Transcranial Ultrasound*. Presented at Towards a Science of Consciousness 2015, Helsinki, Finland, June 2015.
- Allen, J.J.B., Sanguinetti, J.L., Cooley, S., & Hameroff, S., (2015). *The promise of altering consciousness and treating brain disorders with transcranial ultrasound (TUS)*. Invited Keynote, Towards a Science of Consciousness 2015, Helsinki, Finland, June 2015.
- Allen, J.J.B. (2015). *ICA-based artifact removal in EEG, using ADJUST, MARA, and SASICA*, Invited Workshop, Würzburg Germany, June 26, 2015.
- Allen, J.J.B. (2015). *The impact of Transcranial Ultrasound on Mood*, Invited talk, Neuroscience Datablitz, Tucson, AZ, November 3, 2015.
- Allen, J.J.B. (2015). *Listen! On being open to possibilities, and Ultrasound?* Invited Keynote Address, Golden Key Honor Society New Member Recognition Event, Tucson, AZ, November 9, 2015.
- Allen, J.J.B. (2016). *Neural systems underlying risk for depression: Towards a neurally-informed treatment approach*. Invited colloquium, University of Virginia, Charlottesville, VA, February, 2016.
- Oliver, J.A., Allen, J. J. B., Brandon, T. H. & Drobles, D. J. (2016, March). *Nicotine withdrawal and anhedonia: A neural index of motivational state predicts craving, affect and smoking behavior*. Paper presented at the annual meeting of the Society for Research on Nicotine and Tobacco, Chicago, IL.
- Allen, J.J.B. (2016). *Neural systems underlying risk for depression: Towards a neurally-informed treatment approach*. Invited colloquium, VA Medical Center, Tucson, AZ, March, 2016.
- Allen, J.J.B. (2016). *Resting State Brain Activity and Risk for Depression: Time, Space, and Data Processing*. Invited address, ASU Brain Oscillations Conference, May 2016.

- Allen, J.J.B. (2016). *Resting EEG moderates Resting State fMRI connectivity in Emotion Networks*. Invited address, DAAD International Alumni Symposium, *The Role of Emotions for Health*, Würzburg, Germany, 14-19 June, 2016.
- Allen, J.J.B. (2016). Discussant for Biomarkers of Anxiety Risk from Infancy to Adulthood, *Society for Psychophysiological Research*, Minneapolis, MN, September, 2016.
- Reznik, S.J., & Allen, J.J.B. (2016). *Transcranial Ultrasound (TUS) reduces worry in a five-day double-blind pilot study*. Society for Research in Psychopathology, Baltimore, MD, October, 2016.
- Goldstein, M.R., Lewin, R.K., Bailey, E.F., & Allen, J.J.B. (2016). *Effects of yogic breathing and cognitively based psychosocial workshops for college students on stress physiology and well-being: A randomized controlled trial*. International Symposium for Contemplative Studies, San Diego, November, 2016.
- Allen, J.J.B. (2016). *Noninvasive Neuromodulation with Transcranial Ultrasound*. Invited colloquium, Würzburg, Germany, 16 November, 2016.
- Allen, J.J.B. (2016). *EEG asymmetry and risk for depression*. Invited guest lecture, Würzburg, Germany, 17 November, 2016.
- Allen, J.J.B. (2016). *Transcranial Ultrasound and Network Connectivity*. Presented at the ASU-UA CNS Conclave, Tempe, AZ, 10 December, 2016.
- Lane, R.D., Kromenacker, B, Sanova, A., & Allen, J.J.B. (2017) Low-frequency Heart Rate Variability Due to Slow Yoga Breathing is Vagally Mediated. Presented at the annual meeting of the American Psychosomatic Society, Seville, Spain, March, 2017.
- Reznik, S.J., Sanguinetti, J.L., & Allen, J.J.B. (2017). Transcranial ultrasound (TUS) reduces worry in a five-day double-blind pilot study. Presented at the 2nd International Brain Stimulation Conference, Barcelona, Spain, March, 2017.
- Sanguinetti, J.L., & Allen, J.J.B. (2017). Transcranial ultrasound (TUS) reduces worry in a five-day double-blind pilot study. Presented at the 2nd International Brain Stimulation Conference, Barcelona, Spain, March, 2017.
- Ding, Y., Ghamsari, F., & Allen, J.J.B. (2017) Exploring the Relationships between EEG Activity and RSA in Major Depressive Disorder Presented at the 29th annual meeting of the Association for Psychological Science, Boston, MA, May, 2017.
- Allen, J.J.B. (2017). *Neural systems underlying risk for depression: Towards a neurally-informed treatment approach*. Invited colloquium, VA Medical Center, Tucson, AZ, May, 2017.
- Allen, J.J.B. (2017). *Transcranial Ultrasound, Mood, and Resting State Network Connectivity*. Invited Plenary Address, The Science of Consciousness 2017, San Diego, CA, June 2017.
- Allen, J.J.B. (2017). *From Bench to Bedside: Electrophysiological Advancements in Psychiatric Care*. Invited Discussant, Annual meeting of the Society for Psychophysiological Research, Vienna, Austria, October, 2017.
- Allen, J.J.B. (2017). *Recent Developments in Frontal EEG Asymmetry Research*. Invited Discussant, Annual meeting of the Society for Psychophysiological Research, Vienna, Austria, October, 2017.
- Allen, J.J.B. (2017). *Impaired Processing of Rewards and Punishments in Affective Disorders during Anticipation and Consummation*. Invited Discussant, Annual meeting of the Society for Psychophysiological Research, Vienna, Austria, October, 2017.

Specific Research Interests and Ongoing Research:

- Etiology and treatment of mood disorders; Asymmetrical frontal brain activity as a marker of risk for depression;
- The efficacy of alternative treatments for major depression including neuromodulatory approaches;
- The assessment of memory and amnesia using event-related potentials; Assessing deception and malingering; Assessing memory and malingering in dissociative disorders.
- Individual differences in error monitoring, motivation, and emotion.
- Methodologies for using cerebral-psychophysiological measures in individual rather than group assessment.

Research Awards:

- 2016 Alexander von Humboldt Research Award (Direct Costs €60,000).
- 2016-2017 *Contribution of Genome-Wide Variation to Cognitive Vulnerability to Depression.* (NIH R56 MH108650; Co-Investigator; Chris Beevers, PI; Total first year costs \$766,672)
- 2016-2021 *Augmenting Cognitive Training in Older Adults – The ACT Grant* (NIH R01 AG054077-01, Co-I, Gene Alexander and Alex Hishaw, PIs);
- 2016-2020 *Refinement and Validation of a Military Emotional Intelligence Training* (DOD, Co-I, W. Scott Killgore, PI; Total Direct Costs \$3,929,441)
- 2016-2021 *Extending Sleep to Improve Glycemic Control in Pediatric Type 1 Diabetes*, R01 DK110528-01 (Co-Investigator; Michelle Perfect, PI).
- 2014-2017 *Identifying EEG indices of neural systems underlying risk for MDD*, (NIMH R21 MH101398, Principal Investigator, Total Costs \$ 421,358).
- 2014-2015 *Vagus Relaxation: An Android App Developed.* BIO5 Fellowships to Develop Collaborative Life Sciences Projects. (Co-PI; \$30,000)
- 2013-2014 *A randomized clinical trial of transcranial ultrasound for mood enhancement.* Funded by Thync/Neurotrek (PI; Direct Costs \$88,998)
- 2013 *Autonomic Physiology of Emotion Regulation and Depression in Breast Cancer Survivorship.* Funded by Arizona Cancer Center (Co-PI; Direct Costs \$30,000)
- 2011 Cognitive Science Supplemental Summer Faculty Salary Award (Direct Costs \$4000)
- 2009-2011 Predoctoral Fellowship NRSA for Amanda Brody (Training Sponsor; MH086173)
- 2008-2010 Predoctoral Fellowship NRSA for Jim Cavanagh (Training Sponsor; MH082560)
- 2009 DAAD, Germany, *Influence of Background Emotion on Neural Systems in Social Decision Making.* Funded one-month collaborative visit to Friedrich-Schiller-University Jena, focused on simultaneous EEG-fMRI recording and analysis. (PI)
- 2009 *Special Equipment Program in Imaging* grant from the University of Arizona. (PI, Total Direct Costs = \$17,320).
- 2007-2009 *Divorce in mid-life: Mechanisms of biopsychosocial adaptation over time* (R21; David Sbarra, PI; Consultant, Total Direct Costs = \$224,000)
- 2006-2009 *Orbitofrontal and Striatal Mechanisms in Stress and Addiction* (R21; Lesley Fellows, PI; Consultant, Total Direct Costs (subcontract) = \$210,000)
- 2005-2007 *Divorce, Depression, and Biobehavioral Dysregulation* (R03, David Sbarra PI; consultant)
- 2006-2007 *The Interaction of Candidate Genes and Frontal Brain Asymmetry in Risk for Depression.* Arizona Institute for Mental Health (PI, Direct costs = \$25,000)
- 2005 *Student-Faculty Interaction Grant*, Office of the Dean of Students, University of Arizona; One time cost approximately \$400.
- 2004-2006 *Imaging the “Affective” Anterior Cingulate in Depression*, Arizona Institute for Mental Health (PI, Direct costs = \$24,889)
- 2004-2011 *Trait and State Frontal Brain Asymmetry in Depression* (R01- MH066902) from the National Institutes of Health. Total direct costs \$1,125,000. (Principal Investigator)
- 2003-2006 Minority Predoctoral Fellowship NRSA for Lauren Kong (Training Sponsor)
- 2003-2004 *Feasibility of a Novel Treatment for Depression*, Arizona Alzheimer’s Disease Core Center (PI, direct costs = \$10,000 + \$10,000 matching funds)
- 2003 International Travel Grant, Office of International Affairs, University of Arizona; One time costs = \$700
- 2003 *Student-Faculty Interaction Grant*, Office of the Dean of Students, University of Arizona; One time cost = \$288.
- 2002-2003 *Is “Brain Fingerprinting” Ready for Prime Time?* A Homeland Security Grant from the Office of the Vice President for Research at the University of Arizona. PI, total one-year direct costs=\$9925.

- 2001-2003 *Manipulation of Frontal Brain Activity as a Novel and Noninvasive Treatment for Depression*. An Independent Investigator Award from NARSAD. Two-year direct costs = \$93,006, Principal Investigator.
- 2001 SBSRI Research Professorship
- 2001 NCCAM Training Grant (Iris Bell, PI). (Training Faculty Member)
- 2000-2002 *The Comparative Efficacy of Acupuncture and Paxil in the Acute and Continuation Treatment of Depression*, from a private donor. Two-year Direct costs=\$218,000, Co-principal Investigator.
- 2000-2001 *Interactive Learning Environment for Individuals and Society 101: Structure of Mind and Behavior*. Direct Costs = \$20,800. (Principal Investigator)
- 2000-2002 Supplement to *Acupuncture in the Treatment of Depression* (5R01 AT000001-04) in response to PA-99-104, Research Supplements for Underrepresented Minority Individual. Direct costs = \$72,924 . (Principal Investigator)
- 1999-2001 Supplement to *Acupuncture in the Treatment of Depression* (1R01 AT000001-01A1) in response to PA-99-105, Research Supplements for Individuals with Disabilities. Direct costs = \$7620 . (Principal Investigator)
- 1998-2001 *Acupuncture Treatment of Depression During Pregnancy* (HS09988, in response to PAS-98-033, Acupuncture Clinical Trial Grants) from the National Institutes of Health AHCPR, PI Rachel Manber. Total (3-year) direct costs\$934,549; Co-principal Investigator, 10% time.
- 1997-2003 *Acupuncture in the Treatment of Depression* (1R01MH56965 & 1R01 AT000001) from the National Institutes of Health. Total direct costs of \$873,782. Principal Investigator, 33% time.
- 1998-2001 *Predicting Response to Treatment in Depression using Frontal EEG Asymmetry during Tryptophan Depletion*, a NARSAD Young Investigator Award. Funded (\$59,296) 7/1/98-6/30/01. (Principal Investigator).
- 1998-1999 *An Electrophysiological Examination of Attentional Mechanisms Involved in Mindfulness Meditation*. From the Fetzer Institute (#1413). Direct costs requested = \$19,993. (Co-investigator, PI is David Schnyer, and Co-investigator Al Kaszniak)
- 1997 *EEG Asymmetry as a Marker of Risk for Depressive Illness*. Summer Research Grant Development Stipend, Social and Behavioral Sciences Research Institute Small Grant, University of Arizona. (Principal Investigator)
- 1996 Junior Sabbatical Leave, Dean's Office, Social and Behavioral Sciences, University of Arizona
- 1996 *Detection of Deception and Malingered Amnesia*, a Small Grant (\$1479) from the Social and Behavioral Sciences Research Institute, University of Arizona. (Principal Investigator)
- 1996-1998 *Identifying Risk for Depression using Frontal EEG Asymmetry response to Tryptophan Depletion*, a NARSAD Young Investigator Award. Funded (\$58,613) 7/1/96-6/30/98. (Principal Investigator).
- 1994 *An Event-related Potential Investigation of Amnesia of Diverse Etiologies*, a Collaborative Research Grant (CRG.940305) from the NATO International Scientific Exchange Programmes. (Principal Investigator)
- 1993 *An Acupuncture Treatment Study for Unipolar Depression* (1 R21 RR09492-01), from the National Institutes of Health's Office of Alternative Medicine. Funded (\$33,118 direct costs) 9/24/1993-9/23/95. This was one of 20 funded applications out of an initial pool of over 400 applications in response to a special RFA. (Principal Investigator)
- 1993 *A Psychophysiological Examination of Posthypnotic Recognition Amnesia*, from the University of Arizona Small Grants Program, sponsored by the Office of the Vice President for Research and the University Foundation. (Principal Investigator)

- 1993 *A Comparative Study of Amnesias of Various Etiologies*, Social and Behavioral Sciences Research Institute Summer Grant, University of Arizona. (Principal Investigator)
- 1992 *Brain Electrical Source Analysis of Memory Systems in Amnesia*, Social and Behavioral Sciences Research Institute Small Grant, University of Arizona. (Principal Investigator)
- 1990-1991 Doctoral Dissertation Special Grant, University of Minnesota Graduate School. (Principal Investigator)
- 1990-1991 Northern California Society of Clinical Hypnosis Dissertation Research Grant. (Principal Investigator)

Grants Proposals Pending Review or Funding:

- 2017 The impact of psilocybin on resting state network connectivity and symptoms in obsessive-compulsive disorder. (International OCD Foundation, Co-I; PI Francisco Moreno)
- 2017 The role of emotional processing in improving the quality of life of breast cancer patients: a mechanistic study of art therapy in reducing depression (NIH R01, Co-I, PI Karen Weihs)
- 2016 *Real Time Heart Rate Variability Monitoring for Special Operation Forces*. (United States Army Special Operations Command, Co-I, Linda Powers, PI)
- 2016 *Trajectories of Adaptation to Interpersonal Loss (TRAIL): Brain and Biomarkers*, NIMH R01 (Co-I, PI Mary-Frances O'Connor).
- 2016 *PFI:BIC Biofeedback-controlled Wearable Smart Sensor Systems for Mental Disorder Management*, NSF IIP - Partnerships for Innovation-PFI (Co-PI with Meiling Roveda, Wolfgang Fink)
- 2016 *Developing a Novel Metric of Emotional Intelligence within the Framework of Cognitive Resilience*. (Co-I, PI Scott Killgore).
- 2016 *Training Cognitive Resilience to Sleep Deprivation through Neurofeedback*, (Co-I, PI Scott Killgore).
- 2016 *Examining Immune and Behavioral Mechanisms to Optimize the Antidepressant Effects of Whole Body Hyperthermia*, NIH NCCIH R61/R33 application. (Site PI, Chuck Raison, PI).
- 2015 *Stress Reactivity, Health and Well-being, and Substance Abuse in Pac-12 Student Athletes*, Pac-12 Student-Athlete Health & Well-Being Grant Program. (Co-Investigator, Sabrina Segal, PI).
- 2015 *Enhancing Vagal Tone in Congestive Heart Failure Using Smartphone Technology*, submitted to Arizona Biomedical Research Council (Co-Investigator, Richard Lane, PI).
- 2015 *Low-cost fiber optic magnetoencephalography imaging to study temporal and spatial dynamics of brain activity*, submitted to the McKnight Foundation (Co-PI along with Palash Gangopadhyay).
- 2015 *Low-cost fiber optic magnetic imaging to study temporal and spatial dynamics of brain activities and heart rhythm*, submitted to the W.M. Keck Foundation (Co-Investigator, Palash Gangopadhyay, PI).
- 2015 *Optimizing transcranial alternating current stimulation based on neural temporal dynamics*, R21 (grants.gov #11936676) (PI)
- 2015 *Portable Acoustoele*, United States Department of Defense. (Russell Witte, PI)
- 2015 *Real-time Cardiac Monitoring to Promote Health and Wellness*. W. M. Keck Foundation, Medical Research – Proposal Abstract. (Co-Investigator, Wolfgang Fink, PI)
- 2015 *Simultaneous Neuroimaging using Fiber Optic Magnetoencephalography (foMEG) and Electroencephalography (EEG)* (NIH; Co-Investigator, Palash Gangopadhyay, PI)
- 2015 *Simultaneous Neuroimaging using Fiber Optic Magnetoencephalography (foMEG) and Electroencephalography (EEG)* (Keck Foundation; Co-Investigator, Nasser Peyghambarian, PI)

- 2014 *Estadiol as the Mechanism of Sex Differences in Worry*. Expert Advisor for the NIMH Biobehavioral Research Awards for Innovative New Scientists (BRAINS). PI: Jason Moser.
- 2014 *Acute Antidepressant Effects of Whole Body Hyperthermia: Predictors, Pathways, and Placebo-controlled Outcomes*. Role: Investigator (Chuck Raison PI). Direct Costs Requested: \$2,499,994.

Research Consulting:

- 2001-2003 *Acupuncture in the Treatment of Bipolar Depression*. An R03 small grant from the National Institutes of Health Office of Alternative Medicine (Patricia Suppes, PI). (Consultant)
- 2001-present *Adaptation to Pain and Interpersonal Stress in Fibromyalgia*. National Institutes of Health (Alex Zautra, PI). (Consultant, Direct costs \$1,452,962)
- 2003-2004 *Acupuncture Point Selection Decision Engine (AcuDE)*, an SBIR Grant, Matt McCarthy, PI. (Consultant)
- 2011 *Dismantling Mindfulness: Contributions of Attention vs. Acceptance to the Treatment of Affective Dysfunction* (NIH K23, Willoughby Britton, PI; Consultant)

Research Fellowships:

- 1990-1991 Doctoral Dissertation Research Fellow, University of Minnesota Graduate School
- 1988-1990 National Institute of Mental Health Research Traineeship Fellow
- 1986-1987 Graduate School Fellow, University of Minnesota Graduate School

Teaching Experience:University of Minnesota and University of Arizona

- 1995-present Biological Bases of Psychopathology (Occasionally)
- 1994-present Psychophysiology and Psychophysiology Laboratory (Bi-annually)
- 1992-present Clinical Assessment Methods, Practicum in Clinical Assessment (Annually)
- 1988-present Abnormal Psychology (Bi-annually)
- 1988-present Introduction to Psychology/ Individuals and Societies (Bi-annually)

Other Teaching Experience

- 1989-1992 Instructor, AATBS Psychology Licensing Exam Workshop: Abnormal Psychology, Clinical Psychology, Physiological Psychology, Psychopharmacology, Psychological Assessment, Learning and Behavior Therapy sections (6 occasions)

Clinical Experience:

- 1993-present Supervisor, of assessments conducted by graduate students at the University of Arizona, including: SCID, SCID-II, and HAM-D diagnostic and clinical interviews; WAIS-IV, WMS-IV, and MMPI-2-RF assessments
- 1991-1992 Intern, VA Medical Center, Minneapolis, Minnesota; specialization in neuropsychological assessment of dementia; minor rotations in inpatient psychiatry, health psychology, crisis intervention, and group therapy of post-traumatic stress disorder clients
- 1990-1991 Hypnotist, dissertation research; individual hypnosis screening with young adults using the Stanford Hypnotic Susceptibility Scale
- 1990-1991 Psychotherapist, Boynton Mental Health Clinic, University of Minnesota; crisis-focused and dynamically-oriented therapy with young adults
- 1988-1990 Psychometrist, Northwest Airlines; intellectual evaluation of prospective airline pilots

- 1988-1989 Volunteer Counselor, Walk-In Counseling Center, Minneapolis; short-term and crisis counseling of adults and couples
- 1987-1988 Psychology Clerk, VA Medical Center Inpatient Psychiatry Unit; University of Minnesota Hospital Neuropsychology Clinic; University of Minnesota Hospital Pediatric Neuropsychology Clinic
- 1987-1989 Therapy Assistant, Hennepin County Social Services; behavioral and cognitive-behavioral therapy of anxiety-disordered adults
- 1985-1986 Clinical Interviewer, research project of Professor Loren J. Chapman, Ph.D.; structured diagnostic interviews of psychosis-prone persons

Other Professional Experience and Service:

- 2017-2020 Consulting Editor, *Psychophysiology*
- 2017 Member, College of Science ad-hoc P&T committee for Clinical Professors
- 2016-present Associate Director, Center for Consciousness Studies
- 2016 Member, Hiring Committee, Psychology IT Technical Support Systems Analyst
- 2015-2016 Member, Nominating Committee, Society for Psychophysiological Research
- 2015-2016 Member, Psychology-CogSci Search Committee
- 2015-present Associate Head, Psychology
- 2015-present Director of Graduate Studies, Department of Psychology, University of Arizona
- 2015 Chair, Head Search Committee, Department of Psychology, University of Arizona
- 2015-2016 Member, Learning Management Systems Request For Proposals Working Group (invited by Michele Norin and Gail Burd).
- 2014-2015 Member, Program Committee, Society for Psychophysiological Research.
- 2014-present Member, Faculty Executive Advisory Committee, Department of Psychology, University of Arizona
- 2014-2015 Member, MBB IT Search Committee, University of Arizona
- 2013-present Member, MBB IT Advisory Committee, University of Arizona
- 2013-2014 Member, Presidential Conversation Group on Internet Interfacing, Society for Psychophysiological Research (appointed by President)
- 2013-2015 Chair, Clinical Search Committee, Department of Psychology, University of Arizona
- 2013-2015 Member, Development (Fundraising) Committee, Department of Psychology, University of Arizona
- 2013-2015 Member, Promotion and Tenure Committee, College of Science, University of Arizona
- 2013-present Member, Cancer center Prevention and Control Program
- 2013-present Member, Executive Committee, MESH (Mechanisms of Emotion, Social Relationships, and Health)
- 2012-2013 Member, nominations committee of the Society for Psychophysiological Research
- 2012-2013 Member, Program Committee, Society for Psychophysiological Research.
- 2012-present Summer mentor for graduate student Instructors, University of Arizona
- 2012-2015 Member, Scientist Review Board, JOURNYS (Journal of Youths in Science).
- 2011 Summer mentor for INDV101 Instructors, University of Arizona
- 2010-2011 Member, Clinical Psychology Search Committee
- 2010-2012 Member, College of Letters Arts and Sciences Research and instructional Computing Council (CLAS RICC = CRICC).
- 2010-2015 Mentor, Arizona Assurance Scholar Program, University of Arizona
- 2010-2013 Member, Promotion and Tenure Committee, Department of Psychology, University of Arizona
- 2009-2010 Past-President, Society for Psychophysiological Research
- 2009-2012 Chair, Publication Board, Society for Psychophysiological Research
- 2009-2010 Member, Ad-hoc Committee on the future of the Student (Tursky) Poster Award, Society for Psychophysiological Research.
- 2009-2010 Chair, Student (Tursky) Poster Award, Society for Psychophysiological Research.

- 2009-2010 Member, Program Committee and 50th Anniversary Subcommittee, Society for Psychophysiological Research.
- 2008-2009 President, Society for Psychophysiological Research
- 2008-present Member, Annual Review Committee, Department of Psychology, University of Arizona.
- 2008 Member, Faculty Advisory Panel, ADVANCE program, University of Arizona.
- 2008 Member, SBS IT Advisory Board, University of Arizona.
- 2008 Member, Scientific Advisory Committee for the University of Arizona Science Center Development Project
- 2008 Member, student poster evaluation committee, Association for Psychological Research.
- 2007-2008 President Elect, Society for Psychophysiological Research
- 2007 Ad-hoc committee to address state tax inequity for research equipment in Social Science and Psychology
- 2006-2010 Member, campus-wide Information Technology Student Advisory Board, University of Arizona.
- 2005-2009 Member, Committee on Diversity, Department of Psychology, University of Arizona.
- 2005-2006 Member, Selections Committee, *Leicester and Kathryn Sherrill Creative Teaching Award*, University of Arizona
- 2005-2007 Member, Faculty Advisory Council, College of Social and Behavioral Sciences, University of Arizona
- 2005-2012 Member, Faculty Executive Advisory Committee, Department of Psychology, University of Arizona
- 2005-2010 Member, Learning Technologies Center Faculty Board, University of Arizona
- 2003-2004 Member, Clinical Psychology Search Committee
- 2003-2004 Member, Social Psychology Search Committee
- 2002-2012 Member, Board of Directors, Society for Psychophysiological Research
- 2002-present Member, Department of Psychology Subject Pool Committee
- 2002-2003 Honors Advisor, University of Arizona Department of Psychology
- 2002-2003 Member, Tursky Awards Committee, Society for Psychophysiological Research
- 2002-2003 Member, Faculty Annual Review Committee, Department of Psychology, University of Arizona
- 2002-2005 Member, Sabbatical Application Review Committee, College of Social and Behavioral Sciences, University of Arizona
- 2002-present Chair, Technical Support Committee, Department of Psychology, University of Arizona
- 2002-present Chair of the introductory subject pool web-based sign-up and point tracking, Department of Psychology, University of Arizona
- 2001-2009 Member, Scientific Review Panel of the Department of Defense Polygraph Institute
- 2001-2003 Faculty Representative, ILC Management Committee (IMC), University of Arizona
- 2001 Member, Southern Arizona Mental Health Association planning committee for National Depression Screening Day (October 11, 2001)
- 2001-2002 Mentor, SBS Dean's program for *Mentoring New Faculty In The College Of Social And Behavioral Sciences*
- 2000-2001 Member, Program Committee for the planning of the 2001 Convention of the Society for Psychophysiological Research
- 2000-2008 Associate Editor, *Biological Psychology*
- 1999 Member, Psychology Public Policy and Law Search Committee
- 1999-2001 Member, Society for Psychophysiological Research Ad-Hoc Committee on *The Place of Psychophysiology in the Biobehavioral Sciences*
- 1998-1999 Member, fMRI committee on travel disbursements, Department of Psychology, University of Arizona.
- 1998-1999 Member, Social Psychology search committee, University of Arizona.
- 1998-2001 Member, Space Planning Committee for Building Expansion, Psychology Department, University of Arizona

- 1997-2002 Chair, Technical Resource Utilization Committee, Department of Psychology, University of Arizona
- 1996-2000 Member, ex-officio, Executive Committee of the Southern Arizona Psychological Association (SAPA);
- 1996-2000 Chair, Academic Psychology Committee of SAPA
- 1996-1997 Member, nominations committee of the Society for Psychophysiological Research
- 1996-2009 Chair, Committee to Promote Student Interests of the Society for Psychophysiological Research
- 1996-1997 Member, Program Committee for the planning of the 1997 Convention of the Society for Psychophysiological Research
- 1996-1999 Member, Social and Behavioral Sciences Research Institute grants committee
- 1996-1997 Member, Social Psychology search committee, University of Arizona.
- 1996-2000 Member, Faculty Advisory Council.
- 1995-1996 Member, Cognitive Neuroscience search committee, University of Arizona.
- 1995-1997 Member, Planning Committee for the conference on The Interface of Emotion and Cognitive Neuroscience.
- 1995-1999 Member, Committee to oversee Psychology Departmental Homepage, University of Arizona.
- 1995 Chair, Technical Resource Utilization Committee, Department of Psychology, University of Arizona
- 1995-1999 Member, Undergraduate Curriculum Committee, Department of Psychology, University of Arizona
- 1995-2001 Member, Southern Arizona Psychological Association CE planning committee
- 1995-present Member, Clinical Training Committee (Chair 1999-present)
- 1994-1995 Member, Neuropsychology/Integrative neuroscience search committee, Department of Psychology, University of Arizona.
- 1994-1995 Member, Graduate Curriculum Committee, Department of Psychology, University of Arizona
- 1994-present Co-Chair, Introductory Psychology Screening Committee, Department of Psychology, University of Arizona
- 1994-2000 Co-Chair, Colloquium Committee, Department of Psychology, University of Arizona
- 1994-1995 Member, Social and Behavioral Sciences Hurwitz goals subcommittee in charge of Capstone, Research, and Internship experiences.
- 1994 Member, Vice President for Research's committee for the selection of recipients of stipends through the University of Arizona Small Grants Program.
- 1989-1990 Member, Clinical Search Committee; participated as a student member in the committee's search for the position of Assistant Professor in Clinical Psychology at the University of Minnesota
- 1988-1989 Member, Program Committee for the planning of the 1989 convention of the Society for Psychophysiological Research
- 1988 Consultant, Minnesota Twin Family Study; provided a workshop on computerized applications of signal processing

Graduate Theses Supervised:

Ph.D.

- Harmon-Jones, E. (1995). *The Mere Exposure Effect and Emotion: A Psychophysiological Investigation*. Doctoral Dissertation, University of Arizona.
- Movius, H.L. (1999). *Cardiac Vagal Tone as a Predictor of Defensiveness, Openness, and Self-regulatory Style*. Doctoral Dissertation, University of Arizona.
- Reid, S.A. (1999). *The Experience of Emotion in Parkinson's Disease and normal Aging: Assessing the Roles of Facial Expressiveness and Cognitive Functioning*. Doctoral Dissertation, University of Arizona.
- Hitt, S.K. (2000). *Disclosure, Psychophysiology, and Clinical Depression*. Doctoral Dissertation, University of Arizona.

- Urry, H.L. (2001). *Effortful Inhibition of Affective Responses to Pictures: Effects on Central and Peripheral Physiology*. Doctoral Dissertation, University of Arizona.
- Coan, J.A. (2003). *The Heritability Of Trait Frontal EEG Asymmetry and Negative Emotionality: Sex Differences and Genetic Nonadditivity*. Doctoral Dissertation, University of Arizona.
- Dikman, Z.V. (2003). *Psychophysiological Responses to Affective Stimuli in High, Moderate, and Low Socialized Students*. Doctoral Dissertation, University of Arizona.
- O'Connor, M. (2003). *Autonomic and Emotion Regulation in Bereavement: A Longitudinal Study*. Doctoral Dissertation, University of Arizona.
- Nazarian, M. (2004). *An Alternative Treatment for Depression Using EEG Biofeedback to Alter Frontal Alpha Asymmetry and Improve Mood*. Doctoral Dissertation, University of Arizona.
- Mertens, R. (2006). *The Role of Psychophysiology in Forensic Assessments: Deception Detection, ERPs and Virtual Reality Mock Crime Scenarios*. Doctoral Dissertation, University of Arizona.
- Towers, D.N. (2007). *Psychometric Properties of Frontal EEG Asymmetry Scores*. Doctoral Dissertation, University of Arizona.
- Santerre, C.L. (2007). *The Psychophysiology of Intrusive Cognitions: Comparing Thought Suppression Vs Acceptance*. Doctoral Dissertation, University of Arizona.
- Chambers, A.S. (2007). *Relaxation During Pregnancy to Reduce Stress and Anxiety and Their Associated Complications*. Doctoral Dissertation, University of Arizona.
- Accortt, E.E. (2008). *Frontal Alpha Electroencephalography (EEG) Asymmetry as a risk factor for Pre-Menstrual Dysphoric Disorder (PMDD); A psychophysiological and family history approach*. Doctoral Dissertation, University of Arizona.
- Hegde, J. (2009). *Genetic, Hemodynamic, and Electrophysiological Correlates of Cortico-limbic Function in Clinically Depressed Individuals*. Doctoral Dissertation, University of Arizona.
- Cavanagh, J.F. (2010). *How Stress Alters Neural Systems of Reinforcement: A Model of Depressive Etiology*. Doctoral Dissertation, University of Arizona.
- Harlé, K.M. (2012). *Influences of sad affect and depression on social economic decision-making: a neurophysiological investigation*. Doctoral Dissertation, University of Arizona.
- Bismark, A.W. (2014). *The Heritability of and Genetic Contributions to, Frontal Electroencephalography*. Doctoral Dissertation, University of Arizona.
- Sanguinetti, J.L. (2014). *The dynamics of perceptual organization in the human visual system; Competition in time*. Doctoral Dissertation, University of Arizona.
- Zambrano-Vazquez, L. (2015). *The interaction of state and trait worry on response monitoring in those with worry and obsessive-compulsive symptoms*. Doctoral Dissertation, University of Arizona.
- Kogan, Anya (2016). *Frontal EEG Asymmetry and Communication Patterns During Discussions of Disagreements in Romantic Partners*. Doctoral Dissertation, University of Arizona.
- Dawson, Spencer (2017). *Memory, Arousal, and Perception of Sleep: The MAP Sleep Study*. Doctoral Dissertation, University of Arizona.

Masters

- Schnyer, D.M. (1994). *An Event-Related Brain Potential Examination of Priming in Words Presented Without Awareness*. Masters, University of Arizona.
- Reid, S.A. (1995). *Behavioral and Psychophysiological Interplay of Emotion and Cognition*. Masters, University of Arizona.
- Hitt, S.K. (1996). *The Efficacy of Acupuncture as a Treatment for Depression*. Masters, University of Arizona.
- Duke, L.M. (1996). *Resting Anterior Electroencephalographic Asymmetry in Depression: Exploring the Heterogeneity*. Masters, University of Arizona.
- Dikman, Z.V. (1997). *ERN Amplitude as a Function of Reward and Punishment in High and Low Socialized Students*. Masters, University of Arizona.
- Coan, J.A. (1999). *Voluntary Facial Expression and Hemispheric Asymmetry over the Frontal Cortex*. Masters, University of Arizona.
- O'Connor, M (2000). *Autonomic and Emotion Regulation in Bereavement and Depression*. Masters, University of Arizona.
- Nazarian, M. (2001). *EEG Biofeedback of Frontal EEG Asymmetry: A Yoked Control Study*. University of Arizona.
- Mertens, R. (2001). *Pushing the Limits: Can P3 differentiate true from false recognition elicited in the Deese paradigm?* University of Arizona.
- Chambers, A. S. (2004). *A Vagal Subtype of Depression*. University of Arizona.
- Elgavish-Accortt, E. (2004). *Frontal Alpha EEG Asymmetry and Menstrual Distress*. University of Arizona.
- MacDonald-Whitworth, N. (2005). *Neural Substrates of Response Monitoring*. University of Arizona.
- Hegde, J. (2007). *Resting Frontal EEG Asymmetry as a Moderator of Differential Hemodynamic Response in the ACC: An fMRI Study of Clinically Depressed and Non-Depressed Individuals*. University of Arizona.
- Bismark, A. (2009). *Serotonergic Genetic Polymorphisms and Their Contributions to the Psychophysiology of Depression*. University of Arizona.
- Kogan, A.V. (2010). *Cardiac Vagal Control, Oxytocin, Quality of Partner Relationship, and Emotional and Physical Adjustment in Breast Cancer*. University of Arizona.
- Sanguinetti, J.L. (2011). *High-Level Conceptual Access is Not Sufficient for Visual Experience*. University of Arizona. (co-chair)
- Zambrano-Vazquez, L. (2012). *Response Monitoring in Obsessive-compulsive, Worrying, and Anxious Individuals*. University of Arizona.
- Dieckman, L.W. (2014). *Accounting for complexity in emotion film stimuli validation*. University of Arizona