

## CURRICULUM VITAE

### John J.B. Allen

#### Personal Information:

Distinguished Professor of Clinical Psychology,  
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#### Education and Licensure:

1993 Licensed Psychologist in the State of Arizona (License PSY-002055)  
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:

Fellow, Society for Psychophysiological Research (2021); 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.
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- 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.
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**Manuscripts Under Review:**

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- 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.
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- Benjamin, J.S., & Allen, J.J.B. (2019). Concordance of frontal EEG alpha asymmetry between reference montages. *Psychophysiology*, *56*, S63.
- Curham, K.J., & Allen, J.J.B. (2019). Focal transcranial electrical stimulation on a realistic head model via temporal interference. *Psychophysiology*, *56*, S88.
- Zambrano-Vazquez, L., Szabo, Y., Santerre, C., & Allen, J.J.B. (2019). Suppress or accept? The effect of coping strategies on ERN amplitude among individuals with obsessive traits. *Psychophysiology*, *56*, S89.
- Ziebell, P., Rodrigues, J., Allen, J.J.B., & Hewig, J.S. (2019). Sex matters?! An exploration of sex-specific effects of transcranial ultrasound on self-reported mood. *Psychophysiology*, *56*, S78.
- Rodrigues, J., Ziebell, P., Allen, J.J.B., & Hewig, J. (2019). Still sounds like approach: An update on transcranial ultrasound over right inferior frontal cortex leading to approach behavior in ambiguous situations in a virtual t-maze. *Psychophysiology*, *56*, S13.
- Forster, A., Allen, J.J.B., Rodrigues, J., & Hewig, J. (2019). Transcranial ultrasound influences behavior and electroencephalography in a go/no-go task. *Psychophysiology*, *56*, S44.

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- Ziebell, P., Rodrigues, J., Forster, A., Sanguinetti, J., Allen, J.J.B., & Hewig, J. (2023). Beyond ambiguity: Effects of transcranial ultrasound neuromodulation of midfrontal theta and related approach versus withdrawal behavior in unambiguous events of a virtual T-maze. *Psychophysiology*, 2023:60, S7.
- Rodrigues, J., Allen, J.J.B., Müller, M. & Hewig, J. (2023).  $\cap$  can handle this! Evidence for a situational induction strength based quadratic extension to the capability model. *Psychophysiology*, 2023:60, S7.
- Allen, J.J.B. (2023). Psychological science in the public interest and the indefatigable Bill Iacono: Telling the truth about "lie" detection. *Psychophysiology*, 2023:60, S24.
- Dahill-Fuchel, J., Allen, J.J.B., Xu, E., Pitts, S., Overton, J., Rozell, C., Riva-Posse, P., Mayberg, H., & Waters, A. (2023). Effects of subcallosal cingulate deep brain stimulation on heart rate variability in patients with treatment resistant depression. *Psychophysiology*, 2023:60, S92.

### **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 DIDs*. 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 DID's*. 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. & Drobos, 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.
- Wiley, J., Kogan, A., Allen, J.J.B., Stanton, A., & Weihs, K. *Heart Rate Variability Interacts with Contextual Life Stress to Predict Depressive Symptom Trajectories*. Talk at the annual meeting of the American Psychosocial Oncology Society, Tucson, AZ, February 2018.
- Allen, J.J.B. (2018). *Neural systems underlying risk for depression: Towards a neurally-informed treatment approach*. Invited colloquium, Philipps-Universität Marburg, Marburg, Germany, May, 2018.
- Allen, J.J.B. (2018). *Neural systems underlying risk for depression: Towards a neurally-informed treatment approach*. Invited colloquium, Julius-Maximilians-Universität Würzburg, Würzburg, Germany, May, 2018.
- Allen, J.J.B. (2018). *Neural systems underlying risk for depression: Towards a neurally-informed treatment approach*. Invited colloquium, Universität Hamburg, Hamburg, Germany, June, 2018.
- Allen, J.J.B. (2018). *Neural systems underlying risk for depression: Towards a neurally-informed treatment approach*. Invited colloquium, Freie Universität Berlin, Berlin, Germany, June, 2018.
- Allen, J.J.B. (2019). *“Lie” Detection: The Problematic Polygraph Test and Some Potentially (less) Problematic Alternatives*. Invited Grand Rounds, Westchester Medical Center, Valhalla, NY, February, 2019.
- Allen, J.J.B. (2019). *Responding to distressed and suicidal students*. Workshop for Psychology Staff, University of Arizona, April, 2019.
- Allen, J.J.B. (2019). *‘Cause it’s you, and me, and my autonomic activity: a multi-method examination of putative interpersonal, cognitive, and behavioral mechanisms of depression risk across development*. Invited Discussant, Annual meeting of the Society for Psychophysiological Research, Washington, DC, September, 2019.
- Ku, L., Allen, J.J.B., & Lai, V.T. (2020). Positivity bias in low-arousing language in healthy older adults. *Society for Neurobiology of Language*.
- Allen, J.J.B. (2020). *“(In)Validity of the Polygraph Test and Some Potentially (less) Problematic Alternatives*. Invited address, College of Law, University of Arizona, October, 2020.
- Ziebell, P., Rodrigues, J., Forster, A., Gram, A., Aumüller, N., Sanguinetti, J., Allen, J.J.B., Hewig, J. (2021) *Low-intensity transcranial focused ultrasound targeting the right prefrontal cortex leads to electroencephalographic midfrontal theta decreases which significantly predict approach behavior in a virtual T-maze task*. *Psychologie und Gehirn*, 2021 online.

- Allen, J.J.B. (2021). *Responding to distressed and suicidal students*. Workshop for Geoscience Faculty, University of Arizona, August, 2021.
- Ziebell, P. Rodrigues J., Forster, A, Sanguinetti, J, Allen, J. & Hewig, J (2022). *Low-intensity transcranial focused ultrasound on the right prefrontal cortex as a new method to increase approach and decrease withdrawal behavior via specific inhibition of midfrontal theta*. Deutsche Gesellschaft für Psychologie, Hildesheim, Germany, September, 2022.
- Riepl, K., Allen, J.J.B., Rodrigues, J., & Hewig, J. (2022). *Larger N170 after Sad Faces in Individuals with Elevated Depressive Symptoms in a Facial oddball Task*. Psychologie und Gehirn conference, Frieberg, Germany, June, 2022.
- Allen, J.J.B. (2022). *Studying Motivation – Lessons From Traits, States and Cognitive Control*. Invited Discussant, Annual meeting of the Society for Psychophysiological Research, Vancouver, BC, Canada September, 2022.
- Moreno, F.M., Allen, J.J.B., & Allen, K.E. (2022). *Exploring the Use of Psychedelics in Health Care*. TenWest Impact Festival, Tucson, AZ, November 2022. (Invited talk).
- Allen, K.E., Allen, J.J.B., & Moreno, F.M. (2023). *Psilocybin for the Treatment of Obsessive Compulsive Disorder*. Poster presentation at the annual meeting of the American Society of Clinical Psychopharmacology (ASCP), May-June, Miami, FL.
- Allen, J.J.B., Allen, K.E., & Moreno, F.M. (2023). *Error-related Brain Electrical Activity in OCD Before and After Treatment with Psilocybin*. Symposium talk at the annual meeting of the American Society of Clinical Psychopharmacology (ASCP), May-June, Miami, FL.
- Allen, J.J.B., Allen, K.E., & Moreno, F.M. (2023). *Error-related Brain Electrical Activity in OCD Before and After Treatment with Psilocybin*. Symposium talk at the annual meeting of the American Society of Clinical Psychopharmacology (ASCP), May-June, Miami, FL.

### 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.
- Efficacy of psilocybin for the treatment of OCD and potential mechanisms of response.
- 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:

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| 2024-2026 | <i>Psilocybin Whole Mushroom Clinical Trial for OCD</i> . (Arizona Department of Health Services; Co-PI (Moreno/Allen), \$975,739 Total Costs)   |
| 2023-2024 | <i>Develop Trustworthy and Robust AI/ML for Biomedical Sensors and Systems</i> . (TRIF Eighteenth Mile funding, University of Arizona; Co-I, Janet Roveda PI, Total Costs: \$200,000).   |
| 2023-2024 | <i>Meditation Analysis with Astroskin and MRI</i> (SensorLab 2024 - Seed Grant, University of Arizona; Principal Investigator; Total Costs: (\$49,403).  |
| 2022-2024 | <i>Altering Default Mode Network Activity to Reduce Depressive Symptoms</i> . (Award from Openwater, LLC; Principal Investigator, Total Costs: \$298,305).   |
| 2021-2022 | <i>WAKE: Boosting construction workplace safety and efficiency through a fatigue monitoring and prediction system</i> . (University of Arizona 18 <sup>th</sup> Mile TRIF Funding; Co-I, Chris Gnady PI, Total Costs \$179,980). |
| 2021-2024 | <i>Facilitating mindfulness training with ultrasonic neuromodulation</i> . (Award from Joy Foundation; Co-PI with Jay Sanguinetti, Total Costs \$97,000).  |

- 2021-2025 *Connected Lives - Overcoming the Self through Empathy (CLOSE): A Dyadic, Multi-Method Study.* (NIMH; Co-I; Jessica Andrews-Hanna and Dave Sbarra MPI). Total Direct Costs: \$3,250,228.
- 2020-2021 *Modifying Default Mode Network with focused Transcranial Ultrasound.* (Award from Google, LLC; Principal Investigator, Total Direct Costs: \$280,458).
- 2018-2021 *Role of Emotional Processing in Art Therapy for Breast Cancer Palliative Care Patients: A Mechanistic Study.* (R01-NR017186; Co-Investigator; Johanna Czamanski-Cohen and Karen Weihs Co-PIs; Total Direct Costs \$909,509).
- 2017-2022 *Augmenting Cognitive Training in Older Adults – The ACT Grant* (NIH R01 AG054077-01, Co-I, Gene Alexander and Alex Hishaw, PIs);
- 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)
- 2016-2020 *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:

- 2024 *Psilocybin whole mushroom for the treatment of OCD: a randomized controlled double-masked trial to assess tolerability, safety, efficacy, and brain mechanisms of antiobsessional effects of psilocybin.* (co-PI)
- 2023 *Tearing down the walls of the Perception Box by Maximizing Guided Psilocybin Experiences with Transcranial Focused Ultrasound* (PI)
- 2023 *Tearing down the walls of the Perception Box with Guided Psilocybin Experiences in the immersive "Studio Elsewhere Recharge Environment"* (PI)
- 2023 *Investigating electromagnetic field-based neuromodulation of slow-wave brain activity and glymphatic system.* (Co-I; Nan-kuei Chen, PI).
- 2023 *Enhancing Brain Waste Removal with Mechanical, Electromagnetic, and Pharmacological Modulation* (Co-I; Nan-kuei Chen, PI).
- 2022 *Probing Synaptic Plasticity of Precuneus with Transcranial Magnetic Stimulation in Preclinical and Prodromal Alzheimer's Disease* (Co-I; Ying-Hui Chou, PI).

#### 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)
- 2001-2014 *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)
- 2018 *Probing cortical excitability and cognitive function with TMS.* (Data Monitoring and Safety Board for PI Ying-Hui Chou)
- 2019-2021 Consultant, X The Moonshot Factory

**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

- 2014-present   Neural timeseries analysis using Matlab (Bi-annually)  
 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)  
 1988-2006     Abnormal Psychology (Annually and then Bi-annually)  
 1988-2014     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; suicide assessments and supervision, YBOCS rating supervision  
 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:**

- 2022-present   Faculty Advisor, Psychedelic Radar (ASUA student group)  
 2021-present   Chair, Archives Committee, Society for Psychophysiological Research  
 2020-2022     Associate Editor, *Affective Science*  
 2019-2026     Member, Publication Board, Society for Psychophysiological Research

2020	Member, Clinic Director Search Committee, Department of Psychology
2019-present	Member, Space Evaluation Team for Psychology Building (active in 2019 and 2023)
2019	Co-Chair, committee to nominate Jeff Greenberg for Regents Professor
2017-2021	Founder and member, Professional Development Committee
2017-2020	Consulting Editor, <i>Psychophysiology</i>
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
2013-2014	Contributor, Structured Clinical Interview for DSM-5 (SCID-5) draft review.
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 50 <sup>th</sup> Anniversary Subcommittee, Society for Psychophysiological Research.
2008-2009	President, Society for Psychophysiological Research
2008-2022	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 stat 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 1999-2023)
- 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. (Co-Advisor)
- 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.
- Chang, L.J. (2011). *Deconstructing the Role of Expectations in Cooperative Behavior with Decision Neuroscience*. Doctoral Dissertation, University of Arizona. (Co-Advisor)
- Harlé, K.M. (2012). *Influences of sad affect and depression on social economic decision-making: a neurophysiological investigation*. Doctoral Dissertation, University of Arizona. (Co-Advisor)
- 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.
- Smith, E.E. (2017). *Error-related Theta Dynamics and Single-trial Cognitive Control in Sports-related Concussion*. Doctoral Dissertation, University of Arizona.
- Kelly, M.R. (2018). *Evaluating the Roles of Recovery Sleep and Emotion Regulation in Fire Service Shiftworkers*. Doctoral Dissertation, University of Arizona. (Co-advisor)
- Goldstein, M.R. (2019). *Alterations in Stress Physiology Following Yogic Breathing and Cognitively-based Psychosocial Workshops for College Students*. Doctoral Dissertation, University of Arizona.
- Reznik, S.J. (2019). *Frontal Asymmetry as a Prospective Predictor of Transdiagnostic Internalizing Domains: Using the Minneosta Twin Family Study to Predict Outcomes from Childhood to Adolescence and Adulthood*. Doctoral Dissertation, University of Arizona.
- Dieckman, L.W. (2020). *Events Unlocked: Temporal Convolutional Neural Network Detection of Affect-Related ERP-Like Activity During Film Viewing*. Doctoral Dissertation, University of Arizona.
- Medrano, M.R. (2021). *Midfrontal Theta as a Biomarker of Trait Worry: Insights from Resting State and a Reinforcement Learning Task*. Doctoral Dissertation, University of Arizona.
- Ding, Y. (2021). *Effective Connectivity in those with a History of Major Depressive Disorder*. Doctoral Dissertation, University of Arizona.
- Curham, K.J. (2021). *Optimal Control of Complex Brain Networks*. Doctoral Dissertation, University of Arizona.

Lord, B.L. (2024). *How to Use Transcranial Focused Ultrasound Neuromodulation to Enhance Meditation*.  
Doctoral Dissertation, University of Arizona.

Benjamin, J.S. (2024). *An Investigation Into Components Of 'Flexibility' and Its Relationship to Psychopathology*  
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
- Reznik, S. (2016). *A Double-Blind Pilot Study of Transcranial Ultrasound (TUS) as a Five-Day Depression Intervention: TUS Reduces Worry*. University of Arizona
- Medrano, M. (2016). *Self-Referential Negative Bias and Mid-frontal Negativity in High and Low Worriers: A psychophysiological study of self processing*. University of Arizona
- Curham, K. (2017). *Multivariate Phase Covariance Analysis: A new approach to inferring network connectivity in Neuroimaging time-series*. University of Arizona
- Ding, Y. (2018). *Within-Subject Covariation of Resting Frontal EEG Alpha Asymmetry and Vagally-Mediated Heart Rate Variability Not Moderated by Lifetime MDD Status*. University of Arizona
- Benjamin, J. (2019). *Assessing Whether Frontal EEG Asymmetry Characterizes a Particular Subtype of Depression*. University of Arizona
- Agostinni, J.A. (2021). *Trait Worry and The Perseverative Thinking Questionnaire as Predictors of Vagal Control*. University of Arizona
- Chen, K.C. (2021). *Simultaneous EEG and fMRI investigation of frontal alpha and frontal alpha asymmetry in the risk for major depressive disorder*. University of Arizona
- Lord, B. (2021). *Evaluating EEG Complexity Metrics as Biomarkers for Depression*. University of Arizona.