

CURRICULUM VITAE

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Personal Information:

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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.
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- 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.

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- 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:

- Andrews, E.S., Grilli, M.D., Bethard, S., Mehl, M., Allen, J. J. B., Arch, J.J., & Andrews-Hanna, J.R. *Patterns of Everyday Thought as Correlates of Psychological Well-Being and Possible Targets for Personalized Mental Health Treatment*. Preprint DOI: <https://doi.org/10.31234/osf.io/9vwkt>

- Bawiec, C.R., Hollender, P.J., Ornellas, S.B., Schachtner, J.N., Dahill-Fuchel, J.F., Konecky, S.D., & Allen, J.J.B. *A wearable, steerable, transcranial Low-Intensity Focused Ultrasound (LIFU) system.*
- Lord, B.L., Sanguinetti, J.L., Ruiz, L., Miskovic, V., Segre, J., Young, S., Fini, M.E., & Allen, J.J.B. *Modulation of Default Mode Network Functional Connectivity and Subjective Experience with Transcranial Focused Ultrasound Neuromodulation*
- Zhang, D., & Allen, J.J.B. *Computational modeling of Post-traumatic stress disorder: A Review of theoretical developments and clinical applications.*
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- 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.
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- Kogan, A.V., & Allen, J.J.B. (2012) Cardiac vagal control and attachment in college couples: Does gender play a role? *Psychophysiology* 49, S78.
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- 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.
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- 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.
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- Kogan, A.V., & Allen, J.J.B. (2013). Communication patterns and frontal asymmetry during discussions of disagreements in romantic partners. *Psychophysiology*, 50, S36.
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- 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.
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- 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.
- Curham, K, & Allen, J.J.B. (2018). Hierarchical Geodesic Regression: Time-resolved Functional Connectivity in Single- Trial EEG Timeseries. *Psychophysiology*, 55, S59.
- Dieckman, L., Curham, K., & Allen, J.J.B. (2018). Machine Learning Interpolation in EEG Preprocessing: Potential for Increased Accuracy Over Spherical Spline Interpolation. *Psychophysiology*, 55, S59.
- Cochrane, M, Smart, C., Allen, J.J.B., & Garcia-Barrera, M. (2018). The Impact of Top- Down and Bottom- Up Interventions on Autonomic Function in Persons with Clinically Elevated Anxiety. *Psychophysiology*, 55, S75.

- Benjamin, J.S., & Allen, J.J.B. (2018). Does Frontal Alpha Asymmetry Characterize a Particular Subtype Of Depression? *Psychophysiology*, 55, S80.
- Rodrigues, J., Ziebell, P., Allen, J.J.B., & Hewig, J. (2018). The Sound of Approach: Transcranial Ultrasound over Right Inferior Frontal Cortex Leads to Approach Behavior In Ambiguous Situations In A Virtual T- Maze. *Psychophysiology*, 55, S82.
- Cochrane, M., Smart, C, Allen, J.J.B., Garcia-Barrera, M. (2018). A Multi-modal Approach to Examining the Neurovisceral Integration Model in Clinically Anxious Adults. *Psychophysiology*, 55, S93.
- Forster, A., Ziebell, P., Rodrigues, J., Allen, J.J.B., & Hewig, J. (2018). Effects of Transcranial Ultrasound (TUS) in a Virtual T- Maze Task: Global Affect – Global Vigor – What Does TUS Change?! *Psychophysiology*, 55, S94.
- Reznik, S., Medrano, M., & Allen, J.J.B. (2018). The Moderating Role of Trait Rumination: High and Low Trait Ruminators Show Different Relationships Between Frontal Asymmetry and State Rumination. *Psychophysiology*, 55, S99.
- Medrano, M., Reznik, S., & Allen, J.J.B. (2018). The Moderating Role of Trait Rumination: High and Low Trait Ruminators Show Different Relationships Between Frontal Asymmetry and State Rumination. *Psychophysiology*, 55, S123.
- Ding, Y., & Allen, J.J.B. (2018). Investigating the Relationship between Frontal EEG Alpha Asymmetry and Respiratory Sinus Arrhythmia Within Subjects With and Without a History of Depression. *Psychophysiology*, 55, S130.
- Lacey, J., Schnyer, D.M. Sanguinetti, J.L, & Allen, J.J.B. (2019). Stability of frontal EEG alpha asymmetry in a hostile MRI environment. *Psychophysiology*, 56, S88.
- Zhang, D., & Allen, J.J.B. (2019). A comparison of nomothetic and individualized alpha frequency approaches to measuring frontal EEG alpha asymmetry. *Psychophysiology*, 56, S110.
- 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.
- Ziebell, P., Rodrigues, J., Forster, A., Landwehr, I., Seibert, T., Sanguinetti, J., Allen, J.J.B., & Hewig, J. (2022). Low-intensity transcranial focused ultrasound targeting the right prefrontal cortex: a new method to increase approach and decrease withdrawal behavior via specific inhibition of midfrontal theta. *Psychophysiology*, 2022:59, S36.
- 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, JJB., 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 DIDs*. (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 DIDs.* 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 DID's*. 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, Menomonee, 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, International 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.

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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| 2023-2024 | Develop Trustworthy and Robust AI/ML for Biomedical Sensors and Systems. (TRIF Eighteenth Mile funding, University of Arizona; Co-I, Janet Roveda PI, Total Costs: \$200,000). |
| 2023-2024 | Meditation Analysis with Astroskin and MRI (SensorLab 2024 - Seed Grant, University of Arizona; Principal Investigator; Total Costs: (\$49,403). |
| 2022-2024 | Altering Default Mode Network Activity to Reduce Depressive Symptoms. (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 th Mile TRIF Funding; Co-I, Chris Gnaidy PI, Total Costs \$179,980). |
| 2021-2023 | <i>Facilitating mindfulness training with ultrasonic neuromodulation</i> . (Award from Joy Foundation; Co-PI with Jay Sanguinetti, Total Costs \$97,000). |
| 2021-2025 | <i>Connected Lives - Overcoming the Self through Empathy (CLOSE): A Dyadic, Multi-Method Study</i> . (NIMH; Co-I; Jessica Andrews-Hanna and Dave Sbarra MPI). Total Direct Costs: \$3,250,228. |
| 2020-2021 | <i>Modifying Default Mode Network with focused Transcranial Ultrasound</i> . (Award from Google, LLC; Principal Investigator, Total Direct Costs: \$280,458). |
| 2018-2021 | <i>Role of Emotional Processing in Art Therapy for Breast Cancer Palliative Care Patients: A Mechanistic Study</i> . (R01-NR017186; Co-Investigator; Johanna Czamanski-Cohen and Karen Weihs Co-PIs; Total Direct Costs \$909,509). |
| 2017-2022 | <i>Augmenting Cognitive Training in Older Adults – The ACT Grant</i> (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, *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
 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 50th 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.

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.