

- 2008 – 2009 Psychology Resident, San Diego VA Healthcare System, San Diego, CA
Supervisors: Amy Jak, Ph.D., Dawn Schiehser, Ph.D., Kelly Hughes, Ph.D., Steven Thorp, Ph.D., Dean Delis, Ph.D., Vincent Filoteo, Ph.D., Mark Bondi, Ph.D.
Clinic/Services: Neuropsychological assessment, cognitive rehabilitation, outpatient PTSD
- 2005 – 2008 Therapist, Kansas City Center for Anxiety Treatment, Kansas City, KS (Supervisor: Lisa Hale, Ph.D.)
- 2003 – 2008 Neuropsychometrician and research assistant, Hoglund Brain Imaging Center, University of Kansas Medical Center, Kansas City, KS (Mentors: William Brooks, Ph.D. (PI) and Cary Savage, Ph.D.)
- 2006 Neuropsychometrician, VA Kansas City Healthcare System (Supervisor: Dean Skadeland, Psy.D.)
- 2004 – 2005 Therapist, Health Psychology, University of Kansas Medical Center, KC, KS
Supervisors: Mike Rapoff, Ph.D., Martha Barnard, Ph.D., and Eve-Lynn Nelson, Ph.D., Robert Twillman, Ph.D., Bill Stiers, Ph.D.
Rotations: Pediatrics, Telemedicine, Pain Management, and Neuropsychology
- 2004 – 2005 Therapist, Weight Management Program, University of Kansas, Lawrence, KS (Supervisor: James Grobe, Ph.D.)
- 2003 – 2004 Therapist, University of Kansas Psychological Clinic, University of Kansas, Lawrence, KS (Supervisors: Doug Witt, Ph. D., Cynthia Schnake, Ph. D., Raymond Higgins, Ph.D., and Sarah Kirk, Ph.D.)
- 2002 – 2003 Neuropsychometrician, University of Kansas Medical Center; Kansas City, KS (Supervisor: Sally Frutiger, Ph. D.)
- 2001 – 2002 Research Assistant, Neuropsychology Research Lab, University of Oklahoma Health Sciences Center, Oklahoma City, OK (Mentor: William Beatty, Ph.D.)
- 2001 – 2002 Research Assistant, Child Behavior Research Laboratory, Oklahoma State University (OSU; Mentor: Maureen Sullivan, Ph.D.)

HONORS AND AWARDS

National or International:

- 2019 Society for Biological Psychiatry (SOBP) Early Career Travel Award
- 2017 American College of Neuropsychopharmacology (ACNP) Early Career Travel Award
- 2016 Anxiety Disorders Association of America (ADAA) Alies Muskin Career Development Leadership Program
- 2012 Anxiety Disorders Association of America (ADAA) Career Development Award
- 2006-2007 PEO National Scholar Fellowship
- 2007 American Psychological Foundation (APF) Graduate Research Scholarship
- 2006 American Psychological Association (APA) Dissertation Research Award
- 2001 Corre Anding Stegall Nation wide Leadership Award

Regional or Institutional:

- 2021 The University of Tulsa Oxley College of Health Sciences Excellence in Research Award
- 2006 B. Kent Houston Award for Excellence in Health Psychology

- 2005 Outstanding Masters Thesis in the College of Arts and Sciences, University of Kansas
- 2005 David Schulman Award for Excellence in Clinical Psychology, University of Kansas
- 2002-2006 University of Kansas Madison and Lila Self Doctoral Fellowship
- 2001 Wentz Research Project Scholarship, Oklahoma State University, Stillwater, OK
- 2001 Student Travel Award, Oklahoma Center for Neuroscience, Oklahoma City, OK
- 2001 Top 10 Graduating Senior, Arts and Sciences, Oklahoma State University, Stillwater, OK
- 2001 Top 2 Graduating Senior, Psychology Department, Oklahoma State University, Stillwater, OK

RESEARCH OVERVIEW

My research is focused on using our understanding of brain-behavior relationships to develop highly targeted, neuroscience-informed behavioral interventions for psychiatric disorders, including anxiety, depression, and posttraumatic stress disorder (PTSD). I have accumulated extensive experience in combining neuroscientific approaches with cognitive-behavioral interventions for the purpose of predicting outcomes and understanding mechanisms of treatment (e.g., Kirlic et al., 2017; McDermott et al., 2017; Aupperle et al., 2016). My research has been continuously anchored in approach-avoidance and decision-making frameworks, for which I developed an approach-avoidance conflict (AAC) task informed by animal conflict paradigms as well as my clinical experience with individuals suffering from anxiety and depression (Aupperle et al., 2010, 2011, 2015, 2017). I am also passionately focused on conducting research that has the potential for improving treatment of mental health. In this vein, I have served as PI or collaborator on several randomized clinical trials to test the efficacy of novel, neuroscience-informed interventions – including assessing the feasibility of computer-based executive function training for PTSD (Clausen et al., 2019), a scalable, resilience-based intervention for college students (Akeman et al., in press), and neurocognitive-based interventions for individuals with mental health and/or substance use disorders (e.g., Ekhtiari et al., 2017; Jak et al., 2015). I have also begun to collaborate with Dr. Jerzy Bodurka on projects utilizing realtime fMRI- neurofeedback to target neural circuits involved in psychiatric disorders, such as suicide, and/or to supplement behavioral interventions. My work has been funded by several regional pilot grants, NIMH K23 and R01 awards (PI), an NIGMS CoBRE award (Collaborator and Pilot Project PI), and an NIH/NIDA U01 award (ABCD study Site Co-PI).

RESEARCH GRANTS

PENDING:

R01 (Co-PIs: Aupperle/Savitz) 09/01/2021 – 06/30/2025

National Institute of Mental Health (NIMH)

Kynurenine metabolites as mechanistic biomarkers for behavioral therapy

The goal of this project is to determine the utility of kynurenine pathway inflammatory metabolites as biomarkers of behavioral therapy response for comorbid depression and anxiety, as well as the relationships to structural brain changes.

Role: Co-PI

CURRENT:

R01 MH123691 PI: Robin Aupperle, PhD 07/01/2020 - 06/30/2025

National Institute of Mental Health (NIMH)

An Approach-Avoidance, Computational Framework for Predicting Behavioral Therapy Outcome in Anxiety and Depression

The goal of this project is to use neuroimaging and computational approaches in concert with approach-avoidance conflict paradigms to identify behavioral and neural mechanisms and predictors of behavioral therapy response (exposure-based and behavioral activation therapy).

Role: PI

K99 MD015736

PI: Evan White, PhD

Jan 1, 2021- Dec. 31, 2025

National Institute on Minority Health and Disparities (NIMHD)
Cultural and Neuroscientific Exploration of Resilience in Native Americans

The goal of this project is to examine cross-sectional relationships between cultural protective factors among American Indians (AIs) and neural (fMRI, ERP) and behavioral measures of cognitive control (K99 phase), and to use an experimental approach to examine the influence of cultural inductions on neural and behavioral measures of cognitive control (R00 phase).

Role: Co-Mentor

F31 MH122090 PI: Kelly Cosgrove, M.A. 08/01/2020 – 07/31/2022

National Institute of Mental Health (NIMH)

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31)

The Role of Social and Neural Connectedness in Predicting Neurodevelopmental Functioning in Adolescence

The goal of this project is to examine cross-sectional and predictive relationships between social experiences (e.g., parental support; extracurricular involvement), insula connectivity within the salience network and neurodevelopmental risk as measured objectively and subjectively. The proposed award will also provide Ms. Cosgrove training to support her future career as an independent scientist examining factors contributing to long-term outcomes for individuals with neurodevelopmental disorders.

Role: Co-Mentor

F31 MH122090 PI: Timothy McDermott, M.A. 04/14/2020 – 04/13/2022

National Institute of Mental Health (NIMH)

Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship (Parent F31)

Self-regulation of Prefrontal Cortex during Emotional Cognitive Control

The goal of this project is to (a) examine the impact of functional magnetic resonance imaging (fMRI) neurofeedback during emotional inhibition processes on neural activations and connectivity and response inhibition performance and (b) provide Mr. McDermott training to support his future career as an independent scientist examining novel interventions to target neuropsychological functioning in ways that may benefit mental health populations.

Role: Co-Mentor

U01 DA050989-01 (Site Co-PIs: Paulus/Aupperle) renewal 04/14/2020 – 03/31/2027

National Institute of Health/National Institute on Drug Abuse

ABCD-USA Consortium: Research Project Site at LIBR

The ABCD-USA Consortium will use multimodal brain imaging, cognitive and clinical assessments, bioassays, mobile monitoring, and careful assessment of substance use, environment, psychopathological symptoms, and social functioning in 11,500 adolescents followed over 10 years to determine the effects of substance use on adolescent brain and cognitive development. Our ABCD-USA Consortium: Research Project Site enrolled 743 youth age 9-10 at project entry.

Role: Co-PI

P20 GM121312 Pilot Project Award (Aupperle) 07/01/2019 - 06/30/2021

National Institute of General Medical Sciences

*Pilot project funded as part of the Centers of Biomedical Research Excellence (COBRE) Award

Neuromodulatory Enhancement of Hope in the Treatment of Suicide (NEU-Hope): A Feasibility and Pilot Study

This pilot project is focused on understanding neural underpinnings of positive future thinking and relationships to suicide risk. The long-term aim of this work is to use real-time fMRI neurofeedback approaches to target these neural systems and enhance positive future thinking.

Role: PI

HF18-023 PI: Hamed Ekhtiari, MD 08/01/2018 – 07/30/2021

Oklahoma Center for the Advancement of Science and Technology (OCAST)

Neurocognitive Enhancement for Addiction Treatment

The goal of this project is to examine the clinical utility for a cartoon-based, neurocognitive rehabilitation training program to enhance response for individuals in recovery from substance use and comorbid mental health disorders.

Role: Co-I

P20 GM121312 PI: Martin Paulus, MD 08/01/2017 - 11/30/2022
 NIH/NIMGS
 Centers of Biomedical Research Excellence (COBRE) Award
Neuroscience-based Mental Health Assessment and Prediction (NeuroMAP)
 The NeuroMAP Center provides research, mentoring, career-development and operational infrastructure for neuroscience-based research to use individual differences on several biological levels together with sophisticated statistical approaches to generate clinically meaningful predictions for mental health. I specifically assist the research core director in managing the intervention and longitudinal aspects of the grant.
 Role: Collaborator

K23 MH108707 PI: Robin Aupperle, PhD 04/15/2016 - 04/14/2021
 Agency: National Institute of Mental Health (NIMH)
 Grant Name: Approach-Avoidance Conflict - a multi-level predictor for exposure therapy response
 The goal of this project is to characterize behavioral and neural correlates of approach-avoidance conflict processing for individuals with generalized anxiety disorder (GAD) and with or without comorbid major depressive disorder (MDD), and whether these processes can be used to predict which individuals will respond to exposure-based therapy versus behavioral activation (BA) therapy.
 Role: PI

PENDING

R01 MH128185 (Co-PIs: Savitz/Aupperle) 07/01/2020 - 06/30/2025
 National Institute of Mental Health (NIMH)
Kynurenine metabolites as mechanistic biomarkers for behavioral therapy
 The goal of this proposed project is to elucidate the potential role of kynurenine inflammatory metabolites as biomarkers of behavioral therapy treatment response and determine the association between structural and functional brain changes and kynurenine metabolite changes as a function of therapy.
 Role: Co-PI

COMPLETED:

PT100018 PI: Amy Jak, Ph.D. 2011-2015
 Agency: Department of Defense Congressionally Directed Medical Research Program
 Grant name: Enhanced Cognitive Rehabilitation to Treat Comorbid TBI and PTSD.
 The goal of this project was to examine the clinical effectiveness of a modified version of Cognitive Processing Therapy (CPT) using cognitive rehabilitation principles for comorbid TBI and PTSD.
 Role: Co-Investigator at time of funding (prior to leaving awarded institution for current position); subsequently consultant

No Number PI: Robin Aupperle, Ph.D. 2012-2014
 Agency: University of Missouri Research Board (UMRB)
 Grant name: Cognitive Training in PTSD: Effects on cognitive and emotional functioning.
 The goal of this project was to examine the impact of computerized executive function training on neuropsychological performance, emotional processing, and clinical symptoms for combat veterans diagnosed with PTSD.
 Total costs: \$42,000

No Number PI: Ashley Stillman, PhD. 2013-2014
 University of Missouri - Kansas City Chancellor's Fellowship
Cardiovascular Function and Combat-PTSD
 The goal of this project was to examine the relationship between combat-related PTSD and cardiovascular function, as assessed using flow mediated dilation.
 Role: Mentor

UL1TR000001 PI: Robin Aupperle, Ph.D. 2012-2013

Agency: Frontiers: The Heartland Institute for Clinical and Translational Research
Pilot and Collaborative Studies Funding Program

Grant name: Cognitive Training in PTSD: Effects on brain function and emotional processing.

The goal of this project was to examine the impact of computerized executive function training on brain responses during cognitive and emotional processing using fMRI.

No Number PI: Cary Savage, Ph.D. 2006-2007

Agency: University of Kansas Medical Center – Research Institute, FY2006 Clinical Pilot

Grant name: An fMRI Investigation of D-Cycloserine in Specific Phobia.

The goal of this project was to examine the impact of D-cycloserine, considered as a potential enhancer of fear extinction learning, on neural activations during fear processing in specific phobia.

Role: Co-PI

REFEREED PUBLICATIONS

Also see the following link for a list of publications

<http://www.ncbi.nlm.nih.gov/sites/myncbi/robin.aupperle.1/bibliography/48212125/public/>

**Mentor on student or postdoctoral manuscript*

Kirlic, N., Akeman, E., DeVille, D.C., Yeh, Hung-Wen, McDermott, T., Cosgrove, K., Touthang, J., Clausen, A., Paulus, M.P., **Aupperle, R.L.** (in press). I'm still standing: A machine learning analysis of risk and protective factors of suicidality in college students. *Journal of American College Health*.

Cohen, Z., Cosgrove, K.T., Akeman, E., Coffey, S., Teague, K., Hays-Grudo, J., Paulus, M.P., **Aupperle, R.L.**, Kirlic, N. (in press). The effect of mindfulness-based stress intervention on neurobiological and symptom measures in adolescents with early life stress: A feasibility randomized controlled trial. *BMC Complementary Medicine and Therapies*.

Cohen, Z., Cosgrove, K.T., DeVille, D.C., Akeman, E., Kapitan, G., Singh, M.K., **Aupperle, R.L.**, NeuroMAP Investigators, Paulus, M.P., Kirlic, N. (2021). The impact of COVID-19 on adolescent mental health: Preliminary findings from a longitudinal sample of healthy controls and at-risk adolescents. *Frontiers in Pediatrics*, 9:622608. doi: 10.3389/fped.2021.622608. PubMed PMID: 34169046; PubMed Central PMCID: PMC8217763.

Smith, R., Kirlic, N., Stewart, J.L., Touthang, J., Kuplicki, R., McDermott, T., Khalsa, S., Paulus, M., **Aupperle, R.L.** (2021). Long-term stability of computational parameters during approach-avoidance conflict in a transdiagnostic psychiatric patient sample. *Scientific Reports*; 11(1):11783. doi: 10.1038/s41598-021-91308-x. PubMed PMID: 34083701; PubMed Central PMCID: PMC8175390

*Cosgrove, K.T., Kuplicki, R., Savitz, J., Burrows, K., Simmons, W.K., Khalsa, S.S., Teague, T.K., Paulus M.P., **Aupperle, R.L.** (2021). Impact of ibuprofen and peroxisome proliferator-activated receptor gamma on emotion-related neural activation: A randomized, placebo-controlled trial. *Brain Behavior and Immunity*. doi: 10.1016/j.bbi.2021.05.023. PubMed PMID: 34052365; NIHMSID:NIHMS1709726.

Ekhtiari, H., Kuplicki, R., **Aupperle, R.L.**, Paulus, M.P. (2021). It is never as good the second time around: Brain areas involved in salience processing habituate during repeated drug cue exposure in treatment engaged abstinent methamphetamine and opioid users. *Neuroimage*; 238:118180. doi: 10.1016/j.neuroimage.2021.118180. PubMed PMID: 34020015.

*Akeman, E.A., White, E., Wolitzky-Taylor, K., Santiago, J., McDermott, T.J., DeVille, D.C., Stewart, J.L., Paulus, M.P., Taylor, C.T., **Aupperle, R.L.** (2021). Amplification of Positivity Therapy for Co-occurring Alcohol Use Disorder with Depression and Anxiety Symptoms: Feasibility Study and Case Series. *Behavior Modification*.

- Ekhtiari, H., Rezapour, T., Sawyer, B., Yeh, H.W., Kuplicki, R., Tarrasch, M., Paulus, M.P., **Aupperle R.** (2021) Neurocognitive Empowerment for Addiction Treatment (NEAT): study protocol for a randomized controlled trial. *Trials*; 22(1):330. doi: 10.1186/s13063-021-05268-8. PubMed PMID: 33962675; PubMed Central PMCID: PMC8106153.
- Sullan, M. J., Crocker, L. D., Thomas, K. R., Orff, H. J., Davey, D. K., Jurick, S. M., Twamley, E. W., Norman, S. B., Schiehser, D. M., **Aupperle, R.**, & Jak, A. J. (2021). Baseline sleep quality moderates symptom improvement in veterans with comorbid PTSD and TBI receiving trauma-focused treatment. *Behaviour Research and Therapy*, 143, 103892. <https://doi.org/https://doi.org/10.1016/j.brat.2021.103892>
- Jurick, S., Crocker, L.D., Merritt, V.C., Sanderson-Cimino, M.E., Keller, A.V., Glassman, L., Twamley, E.W., Rodgers, C.S., Schiehser, D.M., and **Aupperle, R.**, Jak, A.J. (in press). Independent and synergistic associations between TBI characteristics and PTSD symptom clusters on cognitive performance and post-concussive symptoms in OEF/OIF Veterans. *Journal of Neuropsychiatry and Clinical Neurosciences*.
- *McDermott, T.J., Kirlic, N., Akeman, E., Touthang J., Kuplicki, R., **Aupperle, RL** (2021). Test-retest reliability of approach-avoidance conflict decision-making during functional magnetic resonance imaging in healthy adults. *Human Brain Mapping*, 42(8):2347-2361. doi: 10.1002/hbm.25371. Epub 2021 Mar 2. PubMed PMID: 33650761; PubMed Central PMCID: PMC8090786.
- *DeVille, D.C., Khalsa, S.S., Tulsa 1000 Investigators, Lapidus, R.C., White, E., Paulus, M.P., **Aupperle, R.L.** (in press). A Transdiagnostic Multi-level Examination of Interoceptive Processing in Individuals with a Remote History of Suicidal Behavior. *Behavior Therapy*.
- Kerr, K.L., Ralph-Nearman, C., Colaizzi, J.M., DeVille, D.C., Breslin, F. J., **Aupperle, R. L.**, Paulus, M.P., Sheffield Morris, A. (2021). Gastrointestinal symptoms and low perceived maternal warmth are associated with eating disorder symptoms in young adolescent girls. *International Journal of Eating Disorders*, 54(6):1009-1018. doi: 10.1002/eat.23516. PubMed PMID: 33836108.
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- *White, E.J., Kuplicki, R., Stewart, J.L., Kirlic, N., Yeh, H.W., T1000 Investigators, Paulus, M.P., **Aupperle, R.L.** (2021). Latent variables for region of interest activation during the Monetary Incentive Delay Task. *NeuroImage*. 230:117796. doi: 10.1016/j.neuroimage.2021.117796. PubMed PMID: 33503481; PubMed Central PMCID: PMC8110176.
- *Cosgrove, K. T., Kerr, K. L., Ratliff, E. L., Moore, A. J., Misaki, M., DeVille, D. C., **Aupperle, R. L.**, Simmons, W. K., Bodurka, J., & Sheffield, A. M. (2021). Effects of parent emotion socialization on the neurobiology underlying adolescent emotion processing: A multimethod fMRI study. *Research on Child and Adolescent Psychopathology*. <https://doi.org/10.1007/s10802-020-00736-2>
- Savitz, J., Ford, B.N., Yeh, H.W., Akeman, E., Cosgrove, K., Clausen, A.N., Martell, C., Kirlic, N., Santiago, J., Teague, T.K. and Irwin, M.R., Paulus, M.P, **Aupperle, R.L.** (2020). Behavioral activation therapy for depression is associated with a reduction in the concentration of circulating quinolinic acid. *Psychological Medicine*, pp.1-10. 1-10. doi: 10.1017/S0033291720004389. PubMed PMID: 33234171; PubMed Central PMCID: PMC8144244.
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BOOK CHAPTERS

- Aupperle, R.L.**, McDermott, T.J., White, E., Kirlic, N. (in press). The Neuropsychology of Anxiety: An Approach-Avoidance Decision Making Framework. Invited Chapter In G. Brown, B. Crosson, K. Haaland, & T. King (Eds.), *APA Handbook of Neuropsychology*.
- Rezapour, T., **Aupperle, R.L.**, Paulus, M.P., Ekhtiari, H. (in press). Neuroscience Informed Cognitive Intervention in Addiction Medicine. In *Cognition and Addiction: A Researcher's Guide From Mechanisms Towards Interventions*, Chapter 29.
- Jak, A., Crocker, L., **Aupperle, R.L.**, Clausen, A., Bomyea, J. (2016). Neurocognition in PTSD: Treatment Insights and Implications. In M.A. Geyer, B.A. Ellenbroek, C.A. Marsden, Th.R.E. Barnes (Eds.), *Behavioral Neurobiology of PTSD* (pg. 93-116). Part of the Current Topics in Behavioral Neurosciences book series (CTBN, volume 38). Berlin, Germany: Springer. Doi: 10.1007/7854_2016_62.
- *Stillman, A.N., **Aupperle, R.L.** (2015). Neuroanatomical correlates of PTSD: Risk, Resiliency, and Sequelae. In C.R. Martin, C. P. Preedy, and V. D. Patel (Eds.), *Comprehensive Guide to Post-Traumatic Stress Disorder*. London: Kings College London.

ORAL RESEARCH PRESENTATIONS

*Mentor on student or postdoctoral scholar presentations; TU students are underlined.

- Aupperle, R.L.**, McDermott, T.J., Akeman, E., Kirlic, N., Santiago, J., Cosgrove, K., Clausen, A.N., Kuplicki, R., Paulus, M.P. (originally scheduled for 2020, May). *Resting state functional connectivity as a potential biomarker of depression treatment response across two independent samples*. Part of symposium accepted for presentation at the Society of Biological Psychiatry (SOBP) conference. Originally scheduled for presentation in New York in 2020. Conference cancelled due to COVID-19 pandemic.
- Aupperle, R.L.** (originally scheduled for 2020, March). Chair of symposium entitled *I'm Still Standing: Risk and Protective Factors Relevant for Suicide and Depression*. Originally scheduled for presentation in San Antonio, TX in 2020. Conference cancelled due to COVID-19 pandemic. Presentation to be resubmitted for acceptance at next scheduled conference, March, 2021.
- *DeVile, D. C., Whalen, D., Breslin, F., **Aupperle, R. L.**, Morris, A. S., Paulus, M. P., & Barch, D. (originally scheduled for 2020, March). *Environmental predictors of suicidal ideation and attempts among children ages 9-10: Findings*

from the *Adolescent Brain Cognitive Development (ABCD)* study. Symposium presentation at the 2020 Anxiety and Depression Association of America (ADAA) Annual Conference, San Antonio, TX (conference canceled).

Aupperle, R.L., Akeman, E., Kirlic, N., McDermott, T.J., Cosgrove, K., Deville, D., Yeh, H.W. (originally scheduled for 2020, March). *A Machine Learning Approach to Identifying Risk and Protective factors for Suicidal Ideation in First Year College Students*. Part of symposium accepted for presentation at Anxiety and Depression Association of America (ADAA) conference. Originally scheduled for presentation in San Antonio, TX in 2020. Conference cancelled due to COVID-19 pandemic. Presentation to be resubmitted for acceptance at next scheduled conference, March, 2021.

Aupperle, R.L., Akeman, E.A., DeVille, D., Paulus, M.P., Bodurka, J. (originally scheduled for 2020, March). *Can vmPFC neurofeedback during positive future thinking be useful for individuals experiencing suicidal thoughts?* Part of symposium accepted for presentation at Anxiety and Depression Association of America (ADAA) conference. Originally scheduled for presentation in San Antonio, TX in 2020. Conference cancelled due to COVID-19 pandemic. Presentation to be resubmitted for acceptance at next scheduled conference, March, 2021.

Kirlic, N., Cohen, Z. P., Akeman, E., **Aupperle, R.** (originally scheduled for 2020, March). Mindfulness-based stress training significantly improves psychological well-being in youth exposed to early life adversity. In C. Cummings (Chair) symposium, Promoting Resilience Using Novel Interventions Among Individuals at Risk. Originally scheduled for presentation in San Antonio, TX in 2020. Conference cancelled due to COVID-19 pandemic. Presentation to be resubmitted for acceptance at next scheduled conference, March, 2021.

Aupperle, R.L., McDermott, T., Kirlic, N., Akeman, E., Santiago, J., Clausen, A., Martell, C., Wolitzky-Taylor, K., Abelson, J., Craske, M., Paulus, M.P. (originally scheduled for 2020, March). *Approach-Avoidance Predictors and Mechanisms of Behavioral Therapy Response for Generalized Anxiety Disorder*. Part of symposium accepted for presentation at Anxiety and Depression Association of America (ADAA) conference. Originally scheduled for presentation in San Antonio, TX in 2020. Conference cancelled due to COVID-19 pandemic. Presentation to be resubmitted for acceptance at next scheduled conference, March, 2021.

*White, E.J., Aupperle, R.L., Paulus, M. P., & Tulsa-1000 investigators. (2019, November). Examining presentation of protective factors and symptoms of psychopathology in urban American Indians and potential avenues for future investigation. Oral presentation at the Native American Issues in Behavior Therapy and Research Special Interest Group at the 53rd annual Association for Behavioral and Cognitive Therapies Convention, Atlanta, G.A.

Aupperle, R.L., McDermott, T.J., Kirlić, N., Akeman, E., Santiago, J., Clausen, A.N., Martell, C., Wolitzky-Taylor, K., Abelson, J., Craske, M., Paulus, M. (2019, June). *Predicting CBT response for Generalized Anxiety Disorder and Major Depressive Disorder: A neuroimaging approach*. In M. Craske's (chair), *Basic processes and experimental psychopathology: Neuroscience driven approaches to cognitive and behavioral therapy for anxiety and depression*. Presented at 9th World Congress of Behavioral & Cognitive Therapies (WCBCT), Berlin, Germany.

Aupperle, R.L. (2019, June). *Neural Predictors of Response to Behavior Therapy for Anxiety and Depression*. Part of larger Neuroscience symposium. Chaired symposium and gave talk at the Institutional Development Award (IDeA) Conference, OKC, OK.

Aupperle, R.L., Akeman, E., McDermott, T., Kirlić, N., Clausen, A.N., Cosgrove, K.T., Cromer, L.D., Paulus, M.P., Yeh, H.W. (2019, March). *Impact of resiliency training on mental health symptoms and brain connectivity for first-semester college students*. Presented as part of a larger symposium chaired by Dr. Aupperle at the Anxiety and Depression Association of America (ADAA), Chicago, IL.

Kirlić, N., McDermott, T.J., Akeman, E., & **Aupperle, R.L.** (March, 2019). *Neural correlates of approach-avoidance conflict decision-making in a transdiagnostic sample*. Presented by Dr. Kirlić as part of a larger symposium at the Anxiety and Depression Association of America (ADAA), Chicago, IL..

- Clausen, A.N., **Aupperle, R.L.**, Yeh, H.W., Waller, D., Payne, J., Kuplicki, R., Akeman, E., Paulus, M., and Tulsa 1000 Investigators (2019, March). *Assessing relationships between childhood trauma and brain morphology in large community-based adult sample*. To be presented as part of a larger symposium at the Anxiety and Depression Association of America (ADAA), Chicago, IL.
- Aupperle, R.L.**, McDermott, T., Kirlić, N., Akeman, E., Santiago, J., Clausen, A.N., Craske, M., Abelson, J., Paulus, M.P. (2019, March). *Behavioral activation treatment response relates to neural activation during anticipation of reward and loss*. To be presented as part of a larger symposium at the Anxiety and Depression Association of America (ADAA), Chicago, IL.
- Aupperle, R.L.** and Ekhtiari, H. (2018, October). *Examples of innovations in Neuroscience-informed Technologies, Interventions, and Psychoeducations (NeuroTIPS)*. Symposium presented at the Zarrow Mental Health Conference, Tulsa, OK.
- Aupperle, R.L.**, Kuplicki, R., Yeh, H., Paulus, M. (2018, May). *Relationships Among Substance Use Symptoms, Trauma History, and Levels of Neurocognitive Function for Females in a Criminal Diversion Program*. *Biological Psychiatry* 83 (9), S40
- Aupperle, R.L.**, Kirlić, N., Kuplicki, R., Paulus, M., Tulsa 1000 Investigators (2018, September). *The use of translational fear learning and conflict paradigms to probe neural circuitry relevant for anxiety*. Society for Research on Psychopathology.
- Aupperle, R.L.**, Clausen, A.N., Thelen, J., Tombridge, K., Francisco, A.F., Bruce, J., Martin, L., McDowd, J. (2018, March). *Feasibility of Computer-based Cognitive Training for Targeting Neurocognitive correlates of Combat-related PTSD*. Presented as part of a larger symposium at the Anxiety and Depression Association of America (ADAA), Washington D.C.
- *DeVries, K., Kirlić, N., McDermott, T.J., Cosgrove, K., Akeman, E. & **Aupperle, R.L.** (November, 2018). *Relationship between personality traits and functional disability for individuals with depression and anxiety disorders*. Presentation at the 2018 Oklahoma Psychological Association Annual Meeting, Broken Arrow, OK.
- *Cosgrove, K.T., Kirlić, N., Clausen, A., & **Aupperle, R. L.** (2017, March). *Behavioral activation therapy is associated with self-reported changes in interoceptive processing*. Oral presentation at the University of Tulsa Research Colloquium, Tulsa, OK.
- *Cosgrove, K. and **Aupperle, R.L.** (2016, October). *Depression is associated with reductions in self-reported interoceptive awareness*. Presented at the Oklahoma Psychological Association annual conference, Shawnee, OK
- *Akeman, E., Cromer, L., **Aupperle, R.L.** (2016, October). *Trauma Exposure in College Populations: Effect on Mental Health, Academic Success, and Resilience*. Presented at Oklahoma Psychological Association conference, Shawnee.
- Aupperle, R.L.** and Clausen, A.N. (2017, November). *Activation and Functional Connectivity of Brain Regions Involved in Self-referential Processing may Contribute to PTSD and Cognitive Symptoms*. Presented as part of a larger symposium at the International Society for Traumatic Stress Studies in Chicago, IL.
- Aupperle, R.L.**, Stillman, A.N., Francisco, A.F., Bruce, J., Martin, L., McDowd, J. (2015, April). *Cognitive dysfunction in combat veterans is related to attenuated dorsal ACC activation during interference processing*. Presented as part of larger symposium presented at the Anxiety Disorders Association of America (ADAA) in Miami, FL.
- Aupperle, R.L.** (2015, February). *Executive function and PTSD: Disengaging from Trauma*. Invited presentation at the University of New Mexico Health Sciences Center Psychiatry Grand Rounds.
- *Youngren, W., Stillman, A. N. & **Aupperle, R. L.** (2015, November). *Sleep quality's moderating effect on combat exposure & PTSD*. Presentation at the 2015 Oklahoma Psychological Association Annual Meeting, Enid, OK.

- Aupperle, R.L.** (2014, November). *Neuroscientific perspective on trauma research and treatment*. Presented as a part of a panel response to keynote speech at the Oklahoma Psychological Association annual conference, Tulsa, OK.
- Aupperle, R.L.**, Simmons, A.N., Paulus, M.P., Stein, M.B. (2014, April). *Response Inhibition and PTSD: Neural Correlates and Potential Implications for Anxiety Disorders*. Part of larger symposium presented at the Anxiety Disorders Association of America (ADAA) in Chicago, IL.
- *Stillman, A. N., **Aupperle, R. L.**, Sisante, J. F. V., Wilson, D. & Billinger, S. A. (2014, November). *The heart of a soldier: Autonomic reactivity to emotional provocation as a predictor of high or low cardiovascular risk in a veteran sample*. Presentation at the 2014 Oklahoma Psychological Association Annual Meeting, Tulsa, OK.
- Ball, T.M., **Aupperle, R.L.**, Ramsawh, H., Flagan T., Sullivan, S., Fonzo, G., Letamendi, A., Simmons, A.N., Paulus, M.P., Stein, M.B. (2014, April). *Neural Predictors of Cognitive Behavioral Therapy Treatment Response for Generalized Anxiety Disorder and Panic Disorder*. Part of larger symposium presented at the Anxiety Disorders Association of America (ADAA) in Chicago, IL.
- Aupperle, R.L.**, Simmons, A.N., Paulus, M.P., Stein, M.B. (2014, April). *Insula Responsivity as a Potential Biomarker of PTSD and Treatment Response*. Part of larger symposium presented at the Anxiety Disorders Association of America (ADAA) in Chicago, IL.
- Aupperle, R.L.**, Allard, C.B., Grimes, E.M., Simmons, A.N., Flagan, T., Cissell, C.H., Thorp, S.R., Norman, S.B., Paulus, M.P., Stein, M.B. (2012, April). *Neural System Function Predicts Response to Cognitive Trauma Therapy in Women with Domestic Violence-Related PTSD*. Part of larger symposium presented at the Anxiety Disorders Association of America (ADAA) in Arlington, Virginia.
- Aupperle, R.L.**, Allard, C.B., Grimes, E.M., Simmons, A.N., Flagan, T., Cissell, C.H., Thorp, S.R., Norman, S.B., Paulus, M.P., Stein, M.B. (2011, November). *Executive Function in PTSD: Relationship to Neural Responses during Affective Anticipation*. Part of larger symposium presented at the International Society for Traumatic Stress Studies in Baltimore, MD.
- Aupperle, R.L.**, Ramsawh, H., Flagan, T., Sullivan, S., Fonzo, G., Letamendi, A., Simmons, A.N., Paulus, M.P., Stein, M.B. (2011, November). *Neural Substrates of Anticipatory Processing in Generalized Anxiety and Panic Disorder: Predictors of Cognitive Behavioral Therapy Treatment Response*. Part of larger symposium presented at the Association for Behavioral and Cognitive Therapies (ABCT) in Toronto, Canada.
- Paulus, M.P., **Aupperle, R.L.**, Flagan, T., Jain, K., Simmons, A.N., Stein, M.B. (2011, May). *Individuals With Combat-related PTSD Show Attenuated Error Processing In A Simple Decision-making Paradigm*. Presented at the Society of Biological Psychiatry annual conference, San Francisco, CA.
- Aupperle, R.L.**, Sullivan, S., Melrose, A.J., Paulus, M.P., Stein, M.B. (2011, April). *Reverse Translation of Approach-Avoidance Conflict Models for Human Research*. Presented at the University of California – San Diego Department of Psychiatry annual junior faculty and postdoctoral fellow research symposium, La Jolla, CA.
- Aupperle, R.L.**, Sullivan, S.R., Melrose, J., Stein, M.B., Paulus, M.P. (2011, March). *Reverse Translation of Approach-Avoidance Conflict Models for Human Research*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, New Orleans, LA.
- Aupperle, R.L.**, Allard, C.B., Grimes, E.M., Simmons, A.N., Flagan, T., Cissell, C.H., Thorp, S.R., Norman, S.B., Paulus, M.P., Stein, M.B. (2010, March). *Neural Systems Dysfunction during Anticipation in Women with Posttraumatic Stress Disorder Related to Intimate Partner Violence*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, Baltimore, MD.

Aupperle, R.L., Hale, L.R., Chambers, R.J., Cain, S.E, Barth, F.X., Sharp, S.C., Denney, D.R., & Savage, C.R. (2008, May). *An fMRI investigation of D-cycloserine and Symptom Provocation in Spider Phobia*. Presented at the Society of Biological Psychiatry (SOBP) annual conference in Washington, D.C.

Aupperle, R.L., Hale, L.R., Denney, D.R., Chambers, R.J., Cain, S.E, Barth, F.X., Sharp, S.C., Savage, C.R. (2007, March). *An fMRI study investigating the effects of D-cycloserine on brain activations during verbal memory recognition*. Presented at Neuroscience (SfN) annual conference in San Diego, CA.

Aupperle, R.L., Savage, C.R. (2007, March). *Repeated Symptom Provocation in Spider Phobia: D-Cycloserine, Preliminary Results*. Presented at the Social Neuroscience Winter Institute (SNWI) in Bethel, ME.

POSTER RESEARCH PRESENTATIONS

*Mentor on student or postdoctoral scholar presentations; TU students are underlined.

*Cosgrove, K. T., Mosconi, M. W., Breslin, F. J., Paulus, M. P., Morris A. S., & Aupperle, R. L. (2020, September). Subjective neurodevelopmental risk is more robustly associated with cortical structure than objective measures of executive function in the ABCD Study sample. Poster presented at Flux Virtual Congress.

Kerr, K. L., Cosgrove, K. T., Ratliff, E. L., Moore, A. J., Johnson, M. J., Misaki, M., DeVille, D. C., Aupperle, R. L., Simmons, W. K., Bodurka, J., & Morris, A. S. (2020, September). Parents' negative verbalizations are related to adolescents' emotion reactivity and regulation. Poster presented at Flux Virtual Congress.

*McDermott, T.J., Tsuchiyagaito, A., Mayeli, A., Bodurka, J., Paulus, M.P., & Aupperle, R.L. (2020, May). Feasibility of a novel real-time fMRI neurofeedback protocol for enhancing prefrontal cortex engagement during emotional cognitive control. Accepted for presentation at the annual meeting of the Society of Biological Psychiatry (SOBP), New York, NY, USA (conference canceled).

*Cosgrove, K.T., Mosconi, M., Breslin, F.J., Paulus, M.P., Morris, A.S., & **Aupperle, R.L.** (2020, March). Neurodevelopmental risk and structural MRI metrics in the ABCD study. Poster presentation accepted for Society for Research on Adolescence, San Diego, CA (conference canceled).

*DeVile, D. C., **Aupperle, R.**, Kuplicki, R., Stewart, J., Tulsa 1000 Investigators, Paulus, M. P., & Khalsa, S. K. (2020, March). Attenuated insula and default mode network activation during interoceptive attention distinguishes suicide attempters from ideators and non-ideators. Poster accepted for presentation at the 2020 Anxiety and Depression Association of America (ADAA) Annual Conference, San Antonio, TX (conference canceled).

Cohen, Z. P., Akeman, E., **Aupperle, R. L.**, Teague, K., Hays-Grudo, J., Paulus, M. P., & Kirlic, N. (2020, March). The effect of mindfulness on depression and cortisol responses in youth exposed to childhood maltreatment: Findings from a pilot randomized clinical trial. Poster accepted at the Anxiety and Depression Association of America 40th annual meeting. San Antonio, TX (conference cancelled).

Aupperle, R.L., Smith, R., Kirlic, N., McDermott, T., Akeman, E., Santiago, J., Clausen, A., Martell, C., Wolitzky-Taylor, K., Abelson, J., Craske, M., Paulus, M.P. (2019, December). *A Computational Approach-Avoidance Framework for Predicting CBT Response for Generalized Anxiety Disorder and Major Depressive Disorder*. Presented at the American College for Neuropsychopharmacology (ACNP) in Orlando, FL.

Kirlic, N., Cohen, Z. P., Tsuchiyagaito, A., Misaki, M., **Aupperle, R. L.**, Bodurka, J., & Paulus, M. P. (2019, May). Neurofeedback augmented mindfulness training for youth: a feasibility study. Poster presentation at the Society of Biological Psychiatry 75th anniversary conference. New York, NY.

Kirlić, N., Akeman, E., Cosgrove, K., Touthang, J., & **Aupperle, R.L.** (2019, November). *A pilot randomized clinical trial examining the impact of a mindfulness intervention on psychological mechanisms affected by early life adversity*.

Poster to be presented at the International Society for Traumatic Stress Studies 35th Annual Meeting, Boston, Massachusetts.

- Kirlić, N., Akeman, E., & **Aupperle, R.L.** (2019, June). *A pilot randomized clinical trial examining mindfulness-based stress reduction for youth with early life adversity*. Poster to be presented at the Oklahoma IDeA Network of Biomedical Research Excellence (OK-INBRE) Conference, Oklahoma City, OK.
- *McDermott, T.J., Puhl, M., Kirlić, N., Akeman, E., Al Zoubi, O., Feinstein, J.S., & **Aupperle, R.L.** (2019, May). *Emotional patterns: Multivariate pattern analysis and test-retest reliability of an fMRI emotional faces task*. Poster presented at the Society for Biological Psychiatry 74th Annual Scientific Conference, Chicago, IL.
- *Cosgrove, K.T., **Aupperle, R.L.**, Kuplicki, R., Khalsa, S., Savitz, J., Teague, K., Paulus, M. (2019, May). *The Relationship Between Ibuprofen, Peroxisome Proliferator-Activated Gamma Receptor Gene Expression, and Neural Activation During an Emotional Faces Task*. Poster presented at the Society of Biological Psychiatry Conference, Chicago, IL.
- Al Zoubi, O., Mayeli, A., Tsuchiyagaito, A., Misaki, M., Zotev, V., **Aupperle, R. L.**, Khalsa, S. S., Feinstein, J. S., Savitz, J. B., Cha, Y.-H., Kuplicki, R., Victor, T., Refai, H., Pearson, R., Bodurka, J. A. (2019, May). *Mood and anxiety disorders affect brain temporal dynamics: evidence from EEG microstates*. Poster presented at the Society of Biological Psychiatry Conference, Chicago, IL.
- *Srinivasan, S., McDermott, T.J., **Akeman, E.**, Touthang, J., Puhl, M., Feinstein, J.S., & Aupperle, R.L. (2019, April). *Predicting neural responses to fMRI Emotional Faces Task using multi-variate pattern analysis: Application to Major Depressive Disorder*. Poster presented at the University of Oklahoma-University of Tulsa Research Forum, Tulsa, OK.
- *DeVries, K., Akeman, E., Touthang, J., & **Aupperle, R.L.** (2019, April). *Analysis of depression, anxiety, and drug abuse symptoms in sexual minorities and heterosexuals*. Poster presented at the University of Oklahoma-University of Tulsa Research Forum, Tulsa, OK.
- *Cosgrove, K.T., Silk, J.S., Kerr, K.L., Deville, D.C., Ratliff, E.L., Burrows, K., Moore, A.J., Tapert, S., Misaki, M., Bodurka, J., **Aupperle, R.L.**, & Morris, A.S. (2019, March). *Dyadic effects of parent and adolescent mental health symptoms on brain activation during error processing*. Presented at the Society for Research in Child Development Biennial Meeting, Baltimore, MD.
- *Akeman, E., Kirlić, N., McDermott, T., Cosgrove, K.T., Cromer, L.D., Paulus, M.P., Yeh, H.W., **Aupperle, R.L.** (2019, March). *I'm Still Standing: Investigating Suicidal Risk and Resilience Factors for College Students*. Presented at the Anxiety and Depression Association of America (ADAA), Chicago, IL.
- *McDermott, T.J., Akeman, E., Kirlić, N., Cosgrove, K., Clausen, A.N., Cromer, L.D., & **Aupperle, R.L.** (March, 2019). *The impact of resiliency training for first-semester college students on neural activation during an emotional faces task*. Poster presented at the Anxiety and Depression Association of America 2019 Conference, Chicago, IL.
- Aupperle, R.L.**, Akeman, E., McDermott, T., Misaki, M., Clausen, A., Kirlic, N., Cromer, L. (December, 2018). *Impact of resiliency training on mental health symptoms and resting state connectivity for first-semester college students*. Poster presented at the American College of Neuropsychopharmacology (ACNP) in Hollywood, FL.
- *Kirlić, N., **Aupperle, R.L.**, Yeh, H., Kuplicki, R., Paulus, M.P., T1000 Investigators (2018, March). *Multi-level analysis of fear learning in a large, clinically diverse community sample*. Presented at the Anxiety and Depression Association of America (ADAA), Washington D.C.
- *Kirlić, N., McDermott, T. J., Paulus, M., & Tulsa 1000 Investigators, **Aupperle, R. L.** (2018, December). Neural and behavioral correlates of approach-avoidance conflict in a large transdiagnostic sample. *American College of*

Neuropsychopharmacology Annual Meeting, Hollywood, FL.

- *Cosgrove, K.T., Deville, D.C., Kerr, K.L., Ratliff, E.L., Burrows, K., Moore, A.J., Tapert, S., Misaki, M., Bodurka, J., **Aupperle, R.L.**, Simmons, W.K., & Morris, A.S. (2018, November). *The relationship between brain activation during parent-child fMRI hyperscanning and symptoms of anxiety and depression*. Poster presented at the Society for Neuroscience Conference, San Diego, CA.
- *DeVries, K., **Akeman, E.**, Clausen, A., Kirlić, N., Cromer, L., & Aupperle, R.L. (April, 2018). *Relationship between socioeconomic factors and psychological well-being and resiliency in college students*. Poster presented at the University of Oklahoma-University of Tulsa Research Forum, Tulsa, OK.
- *Akeman, E., Kirlić, N., McDermott, T., Cosgrove, K.T., Cromer, L.D., Paulus, M.P., Yeh, H.W., **Aupperle, R.L.** (2018, April). Resiliency training for college students: Impact on psychological health and academic success. Presented at the Anxiety and Depression Association of America (ADAA), Washington D.C.
- *Payne, J., Clausen, A., Akeman, E., & **Aupperle, R.L.** (April, 2018). *Relationship between childhood trauma and brain morphology in adults*. Poster presented at the Anxiety and Depression Association of America 2018 Conference, Washington, D.C.
- *Clausen, A.N., **Aupperle, R.L.**, Yeh, H.W., Waller, D., Payne, J., Kuplicki, R., Akeman, E., Paulus, M., and Tulsa 1000 Investigators (2018, April). *Relationship between severity and subtypes of childhood trauma and brain morphology in adults*. Presented at the Anxiety and Depression Association of America (ADAA), Washington D.C.
- *McDermott, T, Kirlić, N., Akeman, E., **Aupperle, R.L.** (May, 2018). *Test-Retest Reliability of an Emotional Faces Task and the Impact of Data Quality*. Presented at Society for Biological Psychiatry, New York NY. *Biological Psychiatry* 83 (9), S130.
- *Kirlić, N., **Aupperle, R.**, Kuplicki, R, Paulus, M, Tulsa 100 Investigators (May, 2018). *Neural Correlates of Fear Learning in a Large, Clinically Diverse Community Sample*. Presented at Society for Biological Psychiatry, New York NY. *Biological Psychiatry* 83 (9), S116-S117
- Aupperle, R.L.**, Minassian, A., Elanko, A., Tombridge, K.T., Cosgrove, K., Akeman, E., and Paulus, M.P. (2017, December). *Impact of gender and anxiety on exploratory activity as measured by a human behavioral pattern monitor*. Presented to the American College of Neuropsychopharmacology meeting, Palm Springs, CA.
- *Clausen, A.N., **Aupperle, R.L.**, Yeh, H., Waller, D., Payne, J., Akeman, E., Paulus, M., & Tulsa 1000 Investigators. (December, 2017). *Assessing relationship between childhood trauma and brain morphology in large community-based adult sample*. Poster presented at the American College of Neuropsychopharmacology 56th Annual Meeting, Palm Springs, CA.
- *Kirlić, N., **Aupperle, R. L.**, & Alvarez, R. P. (2017, December). *Major depression is associated with pregenual ACC activation during unpredictable threat*. American College of Neuropsychopharmacology Annual Meeting, Palm Springs, CA.
- *Tombridge, K., Elanko, A., Cosgrove, K., and **Aupperle, R.L.** (2017, July). *Measuring Exploratory Behavior in Mental Health populations using a Human Behavioral Pattern Monitor*. Presented at Tulsa Chapter of the Society for Neuroscience meeting, Tulsa, OK.
- *Akeman, E., Clausen, A., Kirlić, N., Cromer, L., & **Aupperle, R.** (July, 2017). *History of trauma exposure in college students: Relationship to mental health symptoms, academic success, and resilience*. Poster presented at the Tulsa Area Bioscience Education and Research Consortium, Tulsa, OK.

- *Clausen, A.N., Bergamino, M., Kirlić, N., and **Aupperle, R.L.** (2017, June). *White matter differences in depression: Impact of comorbid substance abuse on white matter health*. Presented at the Human Brain Mapping annual conference, Vancouver, Canada.
- *Kirlić, N., **Aupperle, R.**, Rhudy, J., Alvarez, R. (2017, May). *Pain-Related Negative Affect Relates to Anxious Reactivity and Anterior Insula Activity during Unpredictable Threat of Shock*. Presented at Society for Biological Psychiatry, San Diego, CA.
- *Cosgrove, C., Kirlić, N., Clausen, A.N., Paulus, M.P., **Aupperle, R.L.** (2017, April). *Behavioral activation therapy is associated with self-reported changes in interoceptive processing*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, San Francisco, CA.
- *Akeman, E., Clausen, A.N., Kirlić, N., Cromer, L.D., **Aupperle, R.L.** (2017, April). *History of trauma exposure in college students: relationship to mental health symptoms, academic success, and resilience*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, San Francisco, CA.
- *Kirlić, N.K., **Aupperle, R.L.**, Alvarez, R.P. (2017, April). *Major depression is associated with pregenual ACC activation during unpredictable threat*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, San Francisco, CA.
- Aupperle, R.L.**, Clausen, A.N., Tombridge, K., Thelen, J., Francisco, A., Schleicher, K., Martin, L., Bruce, J., McDowd, J. (2016, November). *Pilot study investigating potential benefits of executive function training for veterans with combat-related PTSD*. Presented at the Association of Behavioral and Cognitive Therapies, New York, NY.
- *Clausen, A.N., Suzuki, H., Billinger, S.A., **Aupperle, R.L.** (2017, April). *Initial evidence for the impact of combat deployments and PTSD symptomology on grey matter volume of the posterior insula in OIF/OEF veterans*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, San Francisco, CA.
- *Cosgrove, K., Clausen, A.N., Kirlić, N., Paulus, M., **Aupperle, R.L.** (2016, November). *Self-reported changes in interoceptive processing and depression as a result of behavioral activation therapy*. Presented at the Interoception Summit, Tulsa, OK.
- *Akeman, E., Cromer, L., **Aupperle, R.L.** (2016, October). *Trauma Exposure in College Populations: Effect on Mental Health, Academic Success, and Resilience*. Presented at the Oklahoma Psychological Association annual conference, Shawnee, OK
- Aupperle, R.L.**, Morris, A.S., Silk, J.S., Criss, M.M., Judah, M.R., Eagleton, S.G., Kirlić, N., Byrd-Craven, J., Phillips, R., Alvarez, R.P. (2016, April). *Neural Responses to Maternal Feedback: Relationship to Anxiety Symptoms in High-Risk Adolescents*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, Philadelphia, PA.
- *Clausen, A.N., Waller, D., Youngren, W.A., Paulus, M.P., **Aupperle, R.L.** (2016, April). *Gray matter volume as a moderator for the relationship between childhood trauma and depression*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, Philadelphia, PA.
- *Elanko, A., Tombridge, K., Cosgrove, K., Green, S., Kreitner, D., Minassian, A., **Aupperle, R.L.** (2016, April). *Use of a Human Behavioral Pattern Monitor to Examine Motor Movement and Exploratory Activity*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, Philadelphia, PA.
- *Green, S.R., Clausen, A.N., Francisco, A., **Aupperle, R.L.** (2016, April). *The relationship of combat-PTSD to prefrontal cortex activation during approach avoidance decision-making*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, Philadelphia, PA.

- *Waller, D. A., Clausen, A.N., **Aupperle, R.L.** (April, 2016). *Moderating Effects of Gender in the Relationship Between Childhood Trauma and Regional Brain Volume for Depressed Individuals*. Presented at the OU-Tulsa Research Forum in Tulsa, OK.
- *Youngren, W.A., Stillman, A.N., **Aupperle, R.L.** (2015, Nov.). *The Moderating Effect of Sleep Quality Between Combat Exposure and PTSD*. Presented at the International Society for Traumatic Stress Studies in New Orleans, LA.
- *Thelen, J., Stillman, A.N., Francisco, A.S., **Aupperle, R.L.**, (2015, April). *Characteristics of Combat Veterans with PTSD who Follow-Through with Cognitive Training*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, Miami, FL.
- *Stillman, A.N., **Aupperle, R.L.**, Sisante, J.V., Wilson, D., Billinger, S.A. (2015, April). *Heart of a Soldier: Relationships Between Combat Exposure, PTSD, Autonomic Regulation, and Cardiovascular Health in Veteran Populations*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, Miami, FL.
- *Stillman, A. N., Youngren, W., Sisante, J. F. V., Billinger, S. A., Taylor, C., & **Aupperle, R. L.** (2015, September). *Avoiding Happiness: Combat PTSD and implicit behavioral tendencies for positive affective stimuli*. Presentation at the 2015 Zarrow Mental Health Symposium 21st Annual meeting, Tulsa, OK.
- Aupperle, R.L.**, Stillman, A.N., Simmons, A.N., Francisco, A.S., Bruce, J., Martin, L., McDowd, J. (2014, December). *Cognitive dysfunction in combat veterans is related to attenuated dorsal ACC activation during interference processing*. Presented at the American College of Neuropsychopharmacology annual conference, Phoenix, AZ.
- *Stillman, A.N., **Aupperle, R.L.**, Sisante, J.V., Wilson, D., Billinger, S.A. (2014, November). *Heart of a Soldier: Relationships Between Combat Exposure, PTSD, Autonomic Regulation, and Cardiovascular Health in Veteran Populations*. Presented at the Oklahoma Psychological Association annual conference, Tulsa, OK.
- *Stillman, A.N., Francisco, A.S., **Aupperle, R.L.** (2014, April). *Combat related PTSD in OEF/OIF veterans: Effects on neural circuitry during cognitive inhibition*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, Chicago, IL.
- *Francisco, A.J., Stillman, A.N., **Aupperle, R.L.** (2014, April). *Psychophysiological responses during approach-avoidance decision making*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, Chicago, IL.
- Aupperle, R.L.**, May, A.C., Melrose, A., Paulus, M.P., Stein, M.B. (2013, April). *PTSD and Approach-Avoidance Conflict: Behavioral and Neural Responses*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, San Diego, CA.
- *Francisco, A.J., Shropshire, B., Taylor, C., **Aupperle, R.L.** (2013, April). *Relationship Between Attentional Bias and Emotional Decision-Making*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, San Diego, CA.
- Aupperle, R.L.**, Sullivan, S., Melrose, A., Paulus, M.P., Stein, M.B. (2012, December). *A Novel Task Probing Neural Substrates of Approach-Avoidance Conflict: Implications for Understanding Anxiety Disorders*. Presented at the American College of Neuropsychopharmacology annual conference, Hollywood, FL.
- Aupperle, R.L.**, Sullivan, S., Melrose, A., Paulus, M.P., Stein, M.B. (2012, April). *A Novel Task Probing Neural Substrates of Approach-Avoidance Conflict: Implications for Understanding Anxiety Disorders*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference, Arlington, VA.
- Aupperle, R.L.**, Allard, C.B., Grimes, E.M., Simmons, A.N., Flagan, T., Cissell, C.H., Thorp, S.R., Norman, S.B., Paulus, M.P., Stein, M.B. (2011, December). *Predictors and Consequences of Cognitive Therapy for PTSD: Neural*

Responses to Emotional Anticipation. Presented at the American College of Neuropsychopharmacology (ACNP) annual conference, Waikaloa Beach, Hawaii.

Flagan, T.M., **Aupperle, R.L.**, Simmons, A.N., Paulus, M.P., Stein, M.B. (2011, May). *Trait Anxiety influences Neural Systems underlying Risky Decision Making*. Presented at the Society of Biological Psychiatry annual conference, San Francisco, CA.

McCurdy, D.P., **Aupperle, R.L.**, Flagan, T.M., Grenesko-Stevens, E., Wagner, A., Paulus, M.P., Kaye, W.H. (2011, May). *Neurobiology of Eating Disorders: An fMRI Investigation of Tastes to Sucrose*. Presented at the Society of Biological Psychiatry annual conference, San Francisco, CA.

Aupperle, R.L., Allard, C.B., Grimes, E.M., Simmons, A.N., Flagan, T., Cissell, C.H., Thorp, S.R., Norman, S.B., Paulus, M.P., Stein, M.B. (2010, December). *Unique influence of PTSD symptom clusters on Neural Activations during Anticipatory Processing*. Presented at the American College of Neuropsychopharmacology (ACNP) annual conference, Miami Beach, FL.

Aupperle, R.L., Ramsawh, H., Flagan, T., Sullivan, S., Fonzo, G., Letamendi, A., Simmons, A.N., Paulus, M.P., Stein, M.B. (2010, November). *Generalized Anxiety Disorder, Social Anxiety Disorder, and Panic Disorder: Common and Unique Neural Substrates of Anticipation*. Presented at the Society for Neuroscience (SfN) annual conference, San Diego, CA.

Flagan, T.M., **Aupperle, R.L.**, Gillis, K., Simmons, A.N., Swain J.L., Paulus, M.P. (2010, November). *Attenuated Insula Activation during Non-hypercapnic Breathing Restriction: Evidence for More Efficient Neural Processing in Elite Performers in Extreme Environments*. Society for Neuroscience Annual Meeting, San Diego, CA.

Aupperle, R.L., Ravindran, L., Tankersley, D., Flagan, T., Simmons, A.N., Stein, M.B., Paulus, M.P. (2010, May). *Neural Effects of Pregabalin in Healthy Controls during Anticipation*. Presented at the Society of Biological Psychiatry (SOBP) annual conference, New Orleans, LA.

Nelson, C.A., Hale L., **Aupperle, R.L.**; Hamilton, N.A.; Savage, C.R. (2009, November). *Memory Confidence, Source Memory Accuracy, and Obsessive-Compulsive Symptoms*. Presented at the Association of Behavioral and Cognitive Therapies (ABCT) annual conference in New York.

Nelson, C.A., Hale L., **Aupperle, R.L.**, Hamilton, N.A., Savage, C.R. (2008, November). *Organizational Strategies and Memory in Individuals with Subclinical Obsessive-Compulsive Symptoms*. Presented at the Association of Behavioral and Cognitive Therapies (ABCT) in Orlando, FL, November, 2008.

Aupperle, R.L., Hale, L.R., Nelson, C.R., Chambers, R.J., Cain, S.E., Barth, F.X., Sharp, S.C., Hall, S.B., Denney, D.R., Savage, C.R. (2007, March). *A double-blind, placebo-controlled, fMRI investigation of D-cycloserine and Symptom Provocation in Spider Phobia: Preliminary results*. Presented at the Anxiety Disorders Association of America (ADAA) annual conference in St. Louis, MO.

Brooks, W.M., Hall, S.B., Lierman, J.L., Schmitt, A.L., Ladeseich, L.R., Malone, T.M., **Aupperle, R.L.**, Savage, C.R. (2006, May). *Magnetic Resonance Spectroscopic Imaging is Sensitive to Severity in Traumatic Brain Injury*. Presented at the International Society for Magnetic Resonance (ISMRM) in Medicine, Seattle, WA.

Aupperle, R.L., Savage, C.R., Lierman, J.A., Schmitt, A., Ladesich, L., Varghese, G., Malone, T.M., Hall, S.B., Brooks, W.M. (2005, November). *Magnetic Resonance Spectroscopic Imaging and Psychological Symptoms 3 months Post-Traumatic Brain Injury*. Presented at Neuroscience (SfN) conference, Washington, D.C.

Aupperle, R.L., Denney, D., Lynch, S. (2005, September). *Omega-3 Fatty Acid Levels in Multiple Sclerosis: Correlation of Diet, Disability, and Depression*. Presented at the annual convention of the European Committee for Treatment and

Research in Multiple Sclerosis (ECTRIMS) and the American Committee for Treatment and Research in Multiple Sclerosis (ACTRIMS), Thessalonika, Greece.

Aupperle, R.L., Savage, C.R., Lierman, J.A., Schmitt, A., Ladesich, L., Varghese, G., Malone, T.M., Hall, S.B., Brooks, W.M. (2004, April). *Proton Magnetic Resonance Spectroscopy at 3-tesla and Cognitive Function in Traumatic Brain Injury*. Presented at the Kansas City Life Sciences Institute (KCLSI) Conference, Kansas City, KS.

Gontkovsky, S.T., **Aupperle, R.L.**, Shelton, F., Beatty, W.W. (2002, February). *Relationship between Depression and Attentional/Memory Processes in Multiple Sclerosis*. Presented at the American Neuropsychiatric Association (ANPA), 2002.

Gontkovsky S, Beatty W, McDonald N, **Aupperle R** (2002). *Factors Affecting the Employment Status of Patients with Multiple Sclerosis*. Archives of Clinical Neuropsychology, 17: 723. Presented at the National Academy of Neuropsychology.

Aupperle, R.L., Beatty, W.W., Shelton, F., & Gontvoskey, S. (2002, February). *Three Screening Batteries to Detect Cognitive Impairment in Multiple Sclerosis*. Presented at the International Neuropsychological (INS) Conference, Toronto, Canada.

INVITED RESEARCH AND CLINICAL PRESENTATIONS

Aupperle, R.L. and McDermot, T. (June, 2021). Novel neurofeedback approaches relevant to mental health. Presented as virtual talk to Neuromodulation Special Interest Group at University of California San Diego.

Aupperle, R.L. (February, 2021). *Impact of the COVID-19 pandemic on mental health of TU students*. The University of Tulsa's Community Lecture Series (virtual presentation).

Aupperle, R.L. (November 2020). *Leveraging neuroscience, prediction, and prevention strategies to improve the treatment of anxiety and depression*. The University of Kansas Health Psychology Seminar (virtual presentation).

Aupperle, R.L., Kirlic, N., Kerr, K. (April – July, 2020). *COVID HERO Program: Healthcare workers Empowerment with Resilience and Optimism (HERO) during the COVID-19 Pandemic*. Series of six virtual workshops conducted for healthcare workers in the Saint Francis Healthcare System to provide skills for coping with increased stress due to COVID-19 pandemic. https://www.youtube.com/channel/UCHF_st4oovO2qdGWzIDNk8w

Aupperle, R.L. (2017, 2018) TU Tough Research Study: Updates and Future Directions. Presented to the Dean's Council, University of Tulsa.

Aupperle, R.L. (2017) Women in Recovery: Laureate Institute for Brain Research (LIBR) Study: Update on Recruitment and Initial Findings. Presented to the Women in Recovery program.

Aupperle, R. (2016). Podcast: Introduction to Neuropsychology; <http://www.psychofeverything.com/2016/04/06/episode-10-intro-to-neuropsychology/>

Aupperle, R. (2016). *The Resilient Brain. Psychological and biological factors that promote resilience to stress in adolescents and beyond*. Presented as part of a Healthy Brain lecture series sponsored by Laureate Institute for Brain Research, Tulsa, OK.

Aupperle, R. (2016). *Stress and Resiliency in College*. Presented to students at the University of Tulsa, for an organization called "Real Deal".

- Aupperle, R.** (2016). *Neuroscience of Anxiety and Depression: Therapy Implications*. Presented as a keynote speaker at the National Association of Social Workers, Oklahoma chapter conference, Tulsa, OK.
- Aupperle, R.** (2015). *Neuroscience of Anxiety and Depression: Therapy Implications*. Part of a symposium presented at annual Zarrow Mental Health Conference, Tulsa, OK.
- Aupperle, R.** (2015). *Neuroscience of Anxiety and Depression: Therapy Implications*. Presented at Northeastern State University, Tahlequah, OK.
- Aupperle, R.L.** (2013). *Post Traumatic Stress Disorder: Unraveling the Mystery*. Training workshop on PTSD presented to the Johnson County, Kansas Fire and Police Departments, Shawnee, KS.
- Aupperle, R.L.** (2013). *Neuroimaging Research and PTSD Treatment*. Presented as part of the VA Research Day at the VA Eastern Kansas Healthcare System (VAEKHS), Leavenworth, KS.
- Aupperle, R.L.** (2013). *Comorbid PTSD and TBI: Implications for Treatment*. Presented to the VAEKHS Behavioral Health Clinical Seminar, Leavenworth, KS.
- Aupperle, R.L.** (2013). *Anxiety Disorders and Cardiovascular Health*. Presented as part of the Translational Discovery Forum, University of Kansas Medical Center (KUMC), Kansas City, KS.
- Aupperle, R.L.** (2012). *Neuroimaging and PTSD Treatment*, Presented to the Greater Kansas City Psychological Association (GKCPA), Kansas City, MO.
- Aupperle, R.L.** (2012). *Using Neuroimaging to Inform Treatment Development for PTSD*. Presented at the Heartland Institute for Clinical and Translational Research for the Clinical and Translational Research Seminars (CTRS), KUMC, Kansas City, KS.
- Aupperle, R.L.** (2012). *Using Neuroimaging to Inform Treatment Development for PTSD*. Presented at the Clinical and Translational Research Seminar series, KUMC, Kansas City, KS.
- Aupperle, R.L.** (2011). *Combining Research and Clinical Practice*. Presented to the VAEKHS Behavioral Health Clinical Seminar, Leavenworth, KS.
- Aupperle, R.L.** (2011). *Neural substrates of avoidance and approach processes: Clinical Implications for PTSD*. Presented to the University of Kansas (KU) Health Psychology Proseminar, Lawrence, KS.
- Aupperle, R.L.** (2010). *Neural systems dysfunction in PTSD*. Presented to the VA San Diego Healthcare System (VASDHS) PTSD Clinic, San Diego, CA.
- Aupperle, R.L.** (2007). *Brain Structure and Function*. Presented to the National Alliance of Mental Illness (NAMI), Lawrence, KS.
- Aupperle, R.L., Bui, T.G.** (2007). *Assessment and Treatment of Obsessive-Compulsive Disorder*. Presented to the Greater Kansas City Psychological Association (GKCPA), Kansas City, MO.
- Aupperle, R.L.** (2005). *Exposure Therapy for Specific Phobia*. Presented as part of a larger workshop related to the assessment and treatment of anxiety disorders, conducted by the Kansas City Center for Anxiety Treatment clinical team (led by Dr. Lisa Hale). Presented to the Johnson County Community Mental Health Center (JCMH), Overland Park, KS.

PROFESSIONAL MEMBERSHIPS

Society of Biological Psychiatry: 2018 - present

Oklahoma Psychological Association: 2014-present
 Anxiety and Depression Association of America: 2005-present
 Association for Behavioral and Cognitive Therapies: 2005-present
 Society for Neuroscience: 2005-2012
 American Psychological Association: 2002-2011
 American College of Neuropsychopharmacology 2021 - present

SERVICE/VOLUNTEER

UNIVERSITY/COMMUNITY:

2019: TU Up Close, presented information to incoming students and families concerning research opportunities at LIBR
 2016 – 2019: Conducting TU Tough research study, involving delivering resiliency training within orientation courses throughout the four colleges at the University of Tulsa.
 2017: 1st alternate, University of Tulsa Faculty Rights and Responsibilities Committee
 2016 - 2017: mentor for student completing a project as part of the Tulsa Undergraduate Research Challenge (TURC)
 2016: Real Deal, provided lecture related to resiliency to stress in college.
 2015 - 2016: Member, University of Tulsa Faculty Research Grant Committee
 2015: Tech Trek Tulsa (University of Tulsa STEM camp for 8th grade girls); Neuroscience Workshop Organizer
 2013-2015: Early Career Special Interest Group (SIG) Chair, Anxiety and Depression Association of America (ADAA)
 2014: Behavioral Processes Workgroup Leader, Laureate Institute for Brain Research (LIBR), Tulsa, OK
 2012 – 2014: Campus-wide KC-BANCS leadership committee, University of Missouri - Kansas City (UMKC)
 *KC-BANCS is a team dedicated to encouraging and supporting veterans and individuals with disabilities to enter and advance in careers in the science, technology, engineering, and math (STEM) fields.
 2012 - 2014: Psychology Department Clinical Comps Committee, UMKC
 2012 - 2014: Psychology Department Clinical Graduate Curriculum Committee, UMKC
 2011-2012: Psychology Department Admissions Committee, UMKC
 2011-2012: Reviewer, Students Engaged in Artistic and Academic Research (SEARCH) Student Grant Proposals, UMKC
 2011-2014: Supervisor, Psychology Undergraduate Subject Pool, UMKC
 2011 – 2-14: Graduate Cohort Mentor for 2011 entering Clinical Psychology doctoral class, UMKC

STUDENT RESEARCH MENTORSHIP AND COMMITTEES:

DeVille, Danielle, Doctoral student, Clinical Psychology, TU (ongoing). Topic: Neurobehavioral correlates and predictors of suicidality. [Role: Primary Research Mentor]

- Dissertation title: *Stacked ensemble classification of suicidal thoughts and behavioral in the Adolescent Brain Cognitive Development Study (ABCD)* [proposed August, 2020]

Cosgrove, Kelly, Doctoral student, Clinical Psychology, TU (ongoing). Topic: Neurobehavioral correlates and predictors of mental and cognitive health throughout child developmental. [Role: Primary Research Mentor]

- Dissertation title: *The role of Social and Neural Connectedness in Neurodevelopmental Disorders* [proposed June, 2021]

McDermott, Timothy, Doctoral student, Clinical Psychology (ongoing). Topic: Clinical applicability of fMRI research for anxiety and trauma-related disorders. [Role: Primary Research Mentor]

- Dissertation title: Dorsolateral prefrontal cortex (dlPFC) neurofeedback during emotional cognitive control (proposed June, 2021).

Reynolds, Brad, Doctoral student, Clinical Psychology (graduated May, 2019). Dissertation title: *Risky decision-making, impulsivity, and treatment response among substance abusing women*. [Role: Dissertation committee member]

Clausen, Ashley, Doctoral student, Clinical Psychology (graduated May, 2017). Topic: Neurobehavioral correlates of PTSD. [Role: Primary Research Mentor]

- TU Department of Psychology; PhD Doctoral Dissertation: *Neural Correlates of Cardiovascular Health in Combat Veterans*. [completed March, 2017]
- TU Department of Psychology; M.A. second year project: *Relationships between combat exposure, PTSD, and cardiovascular health in veteran populations*. [completed Fall, 2015]

Ness, Abigail, Clinical Psychology, UMKC (Completed Fall, 2013). *Baseline cortical activation to food pictures associated with weight change following bariatric surgery*. [Role: M.A thesis committee member]

Thelen, Joan, Clinical Psychology, UMKC (completed Fall, 2013). *Polypharmacy in patients with multiple sclerosis: Effect on fatigue, perceived cognition, and objective cognitive performance*. [Role: M.A thesis committee member]

Moreno, Jose, Clinical Psychology, UMKC (completed Spring, 2013). *Smoking Differences and Predictors of ART Adherence*. [UMKC Department of Psychology; M.A. thesis committee member]

Pollack, Lauren, Clinical Psychology, UMKC (completed Spring, 2013). Thesis title: *The quality of life in individuals with eating disorders*. [Role: M.A thesis committee member]

Sena Moore, Kymberly, Integrative PhD Program, UMKC (completed Spring, 2013). Preparation of three reviews for Dissertation: (1) *A History of Emotion Theories and Their Contributions to an Emerging Understanding of Music and Emotions: An Integrative Review*; (2) *Development, Attachment, and Stress: A Conceptual Foundation for Understanding Emotion Regulation Development*; (3) *The Therapeutic Function of Music for Musical Contour Regulation Facilitation: A Model to Facilitate Emotion Regulation Development in Typically Developing Preschoolers*. [Role: Dissertation committee member]

Roberg, Brandon, Clinical Psychology, UMKC (completed Spring, 2014). Dissertation title: *Theory of Mind in Multiple Sclerosis: Disease Subtype Differences and Association with Measures of Social Functioning*. [Role: Dissertation committee member]

Elmore, Wade, Clinical Psychology, UMKC (completed Spring, 2014). Dissertation title: *The effect of violent video game exposure on emotion modulation of startle and aggression*. [Role: Dissertation committee member]

Francisco, Alex, Experimental Psychology, UMKC (completed Spring, 2014). Thesis title: *Skin conductance responses during approach-avoidance conflict decision-making*. [Role: M.A. thesis committee chair]

NATIONAL/INTERNATIONAL:

2013-2016: Early Career Travel Award Mentoring Committee, Anxiety and Depression Association of America (ADAA)

2012-present: Chair, Early Career Special Interest Group (SIG), Anxiety and Depression Association of America (ADAA)

2012: Board Nominations Committee for the Anxiety and Depression Association of America (ADAA)

2011-2012: Mentorship Program Committee for the Anxiety and Depression Association of America (ADAA)

SELECTED EDITORIAL REFEREE EXPERIENCE:

Anxiety and Depression Association of America Conference Abstracts
 International Society for Traumatic Stress Studies Conference Abstracts
 Archives of Clinical Neuropsychology
 Archives of General Psychiatry
 Behavioral Brain Research
 Behavioral Research and Therapy
 Biological Psychiatry
 Biology of Mood and Anxiety Disorders
 Brain and Behavior
 Brain Research
 Cognitive, Affective, & Behavioral Neuroscience
 Depression and Anxiety
 Frontiers in Psychology
 JAMA Psychiatry
 Journal of Affective Disorders
 Journal of Clinical Psychiatry
 Journal of the International Neuropsychological Society
 Journal of Traumatic Stress
 Neuroimage
 Neuropharmacology
 Neuropsychopharmacology
 Neurobiology of Stress
 PLoS ONE
 Psychological Medicine
 Psychoneuroendocrinology
 The American Journal of Psychiatry

GRANT REVIEWS:

Department of Defense Congressionally Directed Medical Research Programs (CDMRP)
 Department of Defense and Department of Veterans Affairs Consortium to Alleviate PTSD (CAP)
 Center for Disease Control (CDC) National Institute for Occupational Safety and Health (NIOSH) World Trade Center
 Cooperative Research Agreements Special Emphasis Panel
 University of Missouri Research Board Pilot Awards
 Frontiers Clinical and Translational Research Pilot Awards
 European Research Council Executive Agency
 Department of Defense and Department of Veterans Affairs Consortium to Alleviate PTSD (CAP)
 German Research Foundation

TEACHING

Fall, 2019 and 2020: University of Tulsa Department of Psychology
Guest Lecturer, Empirically-supported Treatments (Instructor: Lisa Cromer, PhD)
 Title of Lecture: *Behavioral Activation for Depression*

Fall, 2019 and 2020: The University of Tulsa Department of Engineering and Natural Sciences
Guest Lecturer, Introduction to Biomedical Engineering (Instructor: Ty Johannes, PhD)
 Title of Lecture: *Biomedical engineering and behavioral mental health research*

Fall, 2017: The University of Tulsa Department of Engineering and Natural Sciences

Guest Lecturer, Introduction to Biomedical Engineering (Instructor: Ty Johannes, PhD)
 Title of Lecture: *Biomedical engineering and behavioral mental health research*

Fall 2017: The University of Tulsa Department of Psychology
Instructor, undergraduate Independent Study 4993 “Neuroscience Research”

Summer 2017: The University of Tulsa Department of Psychology
Instructor, undergraduate Independent Study 4993 “Neuroscience Research”

Spring 2017: The University of Tulsa Department of Psychology
Instructor, undergraduate Independent Study 4993 “Neuroscience Research”

Fall 2016: The University of Tulsa Department of Psychology
Instructor, undergraduate Independent Study 4993 “Neuroscience Research”

Fall, 2016: University of Tulsa Department of Psychology
Guest Lecturer, Empirically-supported Treatments (Instructor: Lisa Cromer, PhD)
 Title of Lecture: *Behavioral Activation for Depression*

Fall, 2015: University of Tulsa Department of Community Medicine
Instructor, undergraduate Independent Study 4993 “Neuroscience Research”

Spring, 2015: The University of Tulsa Department of Psychology
Instructor, undergraduate Independent Study 4993 “Neuroscience Research”

Fall, 2011 – 2014 (semester basis): University of Missouri-Kansas City (UMKC) Department of Psychology
Instructor, undergraduate course PSYCH 418 Brain and Behavior (mean instructor rating = 4.5 / 5.0)

Spring, 2011 – 2014 (yearly basis): University of Missouri-Kansas City (UMKC) Department of Psychology
Instructor, graduate course PSYCH 5518, Advanced Biopsychology (mean instructor rating = 4.25 / 5.0)

Spring, 2012 – 2014 (semester basis): University of Missouri-Kansas City (UMKC) Department of Psychology
Instructor, undergraduate course PSYCH 490, Directed Research Experience

Summer, 2013: University of Missouri – Kansas City (UMKC) Department of Psychology
Instructor, Voluntary workshop on using Analysis of Functional NeuroImages (AFNI) software for analyses

Fall, 2012: University of Missouri-Kansas City (UMKC) Department of Psychology
Clinical Psychology Practicum Supervisor, KC-CARE Clinic

2012 : University of Missouri - Kansas City (UMKC) Medical School
Guest Lecturer, Neuroscience Course; Title of Lecture: *The Limbic System*

2012: University of Missouri - Kansas City (UMKC) Department of Psychology
Guest Lecturer, Health Psychology Interventions
 Title of Lecture: *Approach and Avoidance Processes in Anxiety: Neural Substrates and Clinical Implications*

Spring, 2010 – Spring, 2011: University of California, San Diego Department of Psychology
Student Mentor, supervised undergraduate students while working within the research lab for course credit

2010: University of California – San Diego (UCSD) Department of Psychology
Guest Lecturer, undergraduate Honors Psychology course
 Title of Lecture: *Clinical Psychology Career Paths*

Fall, 2009 and Fall, 2010: University of California, San Diego Department of Neuroscience

Guest Lecturer, 'Neuroscience Bootcamp' for incoming neuroscience graduate students

Lectures: Basics of functional Magnetic Resonance Imaging (MRI), paradigm development, data analyses.

Summer, 2005: University of Kansas Department of Psychology

Instructor, undergraduate course *Brain and Pathology*

Spring, 2001: Oklahoma State University Department of Psychology

Teaching Assistant, undergraduate course, Quantitative Methods in Psychology