

Namik Kirlić, PhD

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EDUCATION

- July, 2016 **Doctor of Philosophy, Clinical Psychology**
The University of Tulsa (APA Accredited), Tulsa, Oklahoma, USA
- Dissertation: *Regulation of Fear and Anxiety in Healthy Individuals: An fMRI Study*
Co-Chairs: Ruben Alvarez, EdD and Elana Newman, PhD
Committee: Patrick Bellgowan, PhD; Jamie Rhudy, PhD; Allan Harkness, PhD
- Clinical Internship (APA Accredited): *Southwest Consortium at the New Mexico VA Health Care System and the University of New Mexico Hospital, Albuquerque, NM*
Training Committee: Evelyn Sandeen, PhD (Director); Aaron Joyce, PhD; Elizabeth Sullivan, PhD
- May, 2014 **Master of Arts, Clinical Psychology**
The University of Tulsa (APA Accredited), Tulsa, Oklahoma, USA
- May, 2005 **Bachelor of Arts, Psychology, German Language and Literature**
Middlebury College, Middlebury, Vermont, USA
Study Abroad, Focus in Modern German Literature and History
Freie Universität Berlin, Berlin, Germany (Fall, 2003)

LICENSURE Licensed as a Health Service Psychologist in the state of Oklahoma (#1333).

POSITIONS AND EMPLOYMENT

- 01/2019 – present **Associate Investigator (tenure track)**, Laureate Institute for Brain Research, Tulsa, OK
- 08/2017 – 12/2018 **Adjunct Professor**, Department of Psychology, The University of Tulsa, Tulsa, OK
- 07/2016 – 12/2018 **Postdoctoral Fellow**, Laureate Institute for Brain Research, Tulsa, OK
- 08/2008 – 07/2010 **Clinical Research Coordinator II/Lab Manager**, Martinos Center for Biomedical Imaging, Massachusetts General Hospital
- 07/2005 – 08/2008 **Admissions Counselor**, Middlebury College, Middlebury, VT

AWARDS AND HONORS

- 2017-2020 American College of Neuropsychopharmacology ACNP Annual Meeting Invitation

2017 Alies Muskin Career Development Leadership Program Award – Basic Neuroscience Track, Anxiety and Depression Association of America (ADAA)

2011 – 2013 Chair, Student Section; Ex-officio Member of the Board of Directors, International Society for Traumatic Stress Studies (ISTSS)

10/2013, 05/2013 Student Research Grant, Office of Research and Sponsored Programs, The University of Tulsa

04/2016, 04/2011 Chapman Graduate Scholar Presentation Award, The University of Tulsa

10/2014, 10/2013, 05/2013, 10/2012, 05/2012, 10/2011 Chapman Distinguished PhD Career Travel Grant, The University of Tulsa

03/2012 Honorable Mention for an Orally Contributed Paper at the 15th Annual University of Tulsa Student Research Colloquium

EDITORSHIP EXPERIENCE

2019 – present **Consulting Editor**, *Adversity and Resilience Science: Journal of Research and Practice*

2013 – present **Editorial Board**, *European Journal of Psychotraumatology*

RESEARCH GRANTS

Current

PI: Namik Kirlic, PhD

National Institute of General Medical Services (NIGMS), Laureate Institute for Brain Research Center for Neuroscience-based Mental Health Assessment and Prediction (Paulus: 5P20GM121312)

Augmented Mindfulness Training for Resilience in Early Life

Total Costs: \$709,102

Completed (2018-2019)

PI: Namik Kirlic, PhD

National Institute of General Medical Services (NIGMS), Oklahoma State University Center for Integrative Research on Childhood Adversity (Hays-Grudo: 5P20GM109097)

Effect of Mindfulness on Biological Processes Disrupted by Early Life Stress

Total Costs: \$50,000

RESEARCH TRAINING

07/2016 – 12/2018 **Fellow**, Laureate Institute for Brain Research, Tulsa, OK

Supervisor: Robin Aupperle, PhD

Focus: Neurobiological and psychological studies of emotional, cognitive, and behavioral consequence of trauma and anxiety, and treatment development.

08/2011 – 7/2015 **Doctoral Research Assistant**, Laureate Institute for Brain Research, Tulsa, OK

Supervisor: Ruben Alvarez, EdD

Focus: Neuroimaging studies of emotion processing and pain modulation in anxiety and

mood disorders.

- 11/2010 – 06/2012 **Doctoral Research Assistant**, Infant Development Environment and Lifestyle Study (IDEAL), The University of Tulsa
Supervisors: Elana Newman, PhD
Focus: Cortisol reactivity in two-year-old children prenatally exposed to methamphetamine.
- 10/2010 – 06/2014 **Doctoral Research Assistant**, Treatment and Assessment Center for Traumatic Stress and Tulsa Institute of Trauma, Adversity and Injustice, The University of Tulsa
Supervisors: Elana Newman, PhD and Betty Pfefferbaum, MD, JD at University of Oklahoma College of Medicine, Oklahoma City, OK
Focus: A meta-analytic review of the effectiveness of PTSD treatments in children exposed to natural and man-made disasters.
- 10/2010 – 08/2011 **Doctoral Research Assistant**, Tulsa Institute of Trauma, Adversity and Injustice, The University of Tulsa
Supervisor: Elana Newman, PhD
Focus: Trauma exposure, substance abuse, and parenting skills of women in an intensive residential treatment for substance abuse.
- 08/2008 – 06/2010 **Clinical Research Coordinator II/Lab Manager**, Martinos Center for Biomedical Imaging, Massachusetts General Hospital
Supervisor: Hans Breiter, MD, Anne Blood, PhD
Focus: Neuroimaging of functional and structural brain differences among dystonic patients and healthy volunteers. A multidisciplinary experimental examination of brain reward circuitry among drug dependent and healthy volunteers.
- 08/2004 – 05/2005 **Senior Research Project**, Department of Psychology, Middlebury College
Supervisor: Adela Langrock, PhD
Focus: Effects of war and current stressors on psychological adjustment among 140 Bosnian young adults.

CLINICAL TRAINING

- 08/2016 – 12/2018 **Postdoctoral Psychotherapist**, Laureate Institute for Brain Research, Tulsa, OK.
Supervisor: Robin Aupperle, PhD; Christopher Martell, PhD; Kate Wolitzky-Taylor, PhD
Focus: Group outpatient psychotherapy with adults diagnosed with depression (i.e., behavioral activation) and generalized anxiety disorder (i.e., exposure therapy). Structured and semi-structured neuropsychological assessment. Training and supervision of undergraduate and graduate students, as well as a master's level clinician.
- Supervisor: Robin Aupperle, PhD
Focus: Brief resiliency intervention (e.g., mindfulness) for incoming college freshman at the University of Tulsa designed to promote psychological well-being and academic

success. Intervention training and supervision of undergraduate and graduate students.

07/2015 – 07/2016

Psychology Intern, Doctoral Internship in Health Service Psychology, Southwest Consortium at the New Mexico VA Health Care System (NMVAHC) and the University of New Mexico Hospital (UNMH), Albuquerque, NM

Site: NMVAHC, Psychosocial Residential Rehabilitation Treatment Program

Supervisor: Katherine Fox, PsyD

Focus: Residential individual and group evidence-based psychotherapy with Veterans presenting with a broad range of disorders, including PTSD, depression, bipolar disorder, substance abuse, psychosis, and personality disorders

Site: UNMH, Consultation and Liaison Service

Supervisor: Janet Robinson, PhD

Focus: Psychiatric consultation and liaison service in a medical center on a range of cases, including coping with acute and chronic illness, delirium, dementia, psychosis, addiction and drug overdose, suicide attempts, pain, and psychological and physical (e.g., burn) trauma.

Site: NMVAHC, Suicide Prevention

Supervisor: Brenda Mayne, PhD

Focus: Outpatient individual and group evidence-based psychotherapy with Veterans recently hospitalized, or presenting with acute or chronic suicidality.

Site: NMVAHC, Assessment Clinic

Supervisor: Joseph Sadek, PhD

Focus: Cognitive and psychological evaluation for organ transplant, and attention and memory deficits.

Site: NMVAHC, Psychotherapy Clinic

Supervisor: Ella Nye, PhD

Focus: Outpatient individual evidence-based psychotherapy on a complex, serious mental illness case.

06/2014 – 5/2015

Pre-doctoral Therapist, Behavioral Health, Jack C. Montgomery VA, Muskogee, OK

Supervisor: River Smith, PhD

Focus: Assessment and individual and group treatment of PTSD and comorbid disorders.

05/2014 – 12/2014

Pre-doctoral Clinical Interviewer, Randomized Clinical Trial: Exposure, Relaxation, and Rescripting Therapy (ERRT) for Nightmares, The University of Tulsa, Tulsa, OK

Supervisor: Joanne Davis, PhD

Focus: Assessment of PTSD, nightmares, and mood and substance use disorders in a randomized clinical trial for the Exposure, Relaxation, and Rescripting Therapy (ERRT) for Nightmares.

01/2014 – 09/2014

Pre-doctoral Therapist, Domestic Violence Intervention Services, Tulsa, OK

Supervisor: Lori Gonzales, LPC

Focus: Assessment and treatment of mood, anxiety, and substance use disorders with women exposed to domestic violence. Psychoeducational group treatment for male perpetrators of domestic violence.

- 07/2013 – 05/2014 **Pre-doctoral Neuropsychometrician**, Neuropsychological Services, Oklahoma City Veterans Affairs Medical Center, Oklahoma City, OK
Supervisor: William Ruwe, PhD
Focus: Comprehensive psychosocial and neuropsychological evaluation of Veterans with cognitive, emotional, and behavioral complaints, including preparation of integrated reports and feedback.
- 06/2012 – 05/2013 **Pre-doctoral Therapist**, Behavioral Health, Indian Health Center, Tulsa, OK
Supervisor: Stephen Abernathy, PhD
Focus: Assessment and treatment of mood, anxiety, and substance use disorders among American Indian adults and children.
- 03/2012 – 05/2014 **Pre-doctoral Clinical Interviewer**, Laureate Institute for Brain Research, Tulsa, OK
Supervisor: Elana Newman, PhD
Focus: Assessment of PTSD in individuals participating in a study examining pain modulation and emotion processing in anxiety and mood disorders using neuroimaging.
- 07/2011 – 05/2012 **Pre-doctoral Therapist**, Inpatient Unit, Behavioral Medicine, Jack C. Montgomery VA, Muskogee, OK
Supervisor: Alyssa Rippy, PhD
Focus: Psychosocial assessments for newly admitted Veterans to the psychiatric inpatient unit. Individual behavioral management and group psychoeducational treatment.
- 08/2010 – 01/2012 **Pre-doctoral Neuropsychometrician**, Infant Development Environment and Lifestyle study (IDEAL), The University of Tulsa, Tulsa, OK
Supervisor: Elana Newman, PhD
Focus: Neuropsychological evaluation of 7.5 to 8 years old at risk children.
- 6/2004 – 8/2003 **Undergraduate Intern**, Penobscot Psychiatric Services, Orono, ME; Acton, MA.
Supervisor: Charles D. Hanson, MD
Focus: Brief mental status assessment of patients suffering from Alzheimer's dementia and psychotic disorders.

MANUSCRIPTS UNDER REVIEW, IN PREPRINT, OR IN PREPARATION

White, E.J., Nacke, M., Akeman, E., Cannon, M.J., Mayeli, A. Touthang, j., Al Zoubi, O., McDermott, T.J., **Kirlic, N.**, Santiago, J., Kuplicki, R. Bodurka, J., Paulus, M.P., Craske, M.G., Wolitzky-Taylor, K., Abelson, J., Martell, C., Clausen, A., Stewart. J.L., Aupperle, R. L. (under review). P300 amplitude during a monetary incentive delay task predicts future therapy completion in individuals with major depressive disorder. *Journal of Affective Disorders*.

Kirlic, N., Cohen, Z. P., Stewart, J. L. (under review). Neurocircuitry of Mindfulness-Based Interventions for

Substance Use Prevention and Recovery. *Current Addiction Reports*.

Kirlic, N., Cohen, Z. P., Tsuchiyagaito, A., Misaki, M., McDermott, T. J., Aupperle, R. L., Stewart, J. L., Singh, M. K., Paulus, M. P., & Bodurka, J. (under review). Self-Regulation of the Posterior Cingulate Cortex with Real-Time fMRI Neurofeedback in Healthy Adolescents: A Non-Randomized Pilot Study. *NeuroImage*.

Colaizzi, J., Ralph-Nearman, C., Kerr, K. L., Moore, A. J., Breslin, F. j., Morris, A. S., Aupperle, R. L., Paulus, M. P., & **Kirlic, N.** (in preparation). Parental acceptance attenuates the effects of early life stress on functional neurodevelopment in young adolescent females

Kirlic, N., Kuplicki, R., Yeh, H. W., Touthang, J., Cohen, Z. P., Paulus, M., T1000 Investigators, & Aupperle, R. L. (in preparation). Behavioral and Neural Responses during Fear Conditioning and Extinction in a Large Transdiagnostic Sample.

PEER REVIEWED PUBLICATIONS

Kirlic, N., Akeman, C. E., Deville, D., Yeh, H. W., Cosgrove, K., McDermott, T. J., Touthang, J., Clausen, A. N., Paulus, M. P., & Aupperle, R. L., (in press). A machine learning analysis of risk and protective factors of suicidality in college students. *Journal of American College Health*.

Smith, R., **Kirlic, N.**, Stewart, J. L., Touthang, J., Kuplicki, R., Touthang, J., McDermott, T. J., Khalsa, S. S., Paulus, M., & Aupperle, R. (2021). Long-term stability of computational parameters during approach-avoidance conflict in a transdiagnostic psychiatric patient sample. *Scientific Reports*.

Cohen, Z., Cosgrove, K. T., DeVille, D., Akeman, E., Singh, M. K., White, E. J., Stewart, J. L., Aupperle, R. L., Paulus, M. P., & **Kirlic, N.** (in press). The impact of COVID-19 on adolescent mental health: Preliminary findings from a longitudinal sample of healthy and at-risk adolescents. *Frontiers Pediatrics*.

Cohen, Z., Cosgrove, K. T., Akeman, E., Coffey, S., Teague, K., Hays-Grudo, J., Paulus, M., Aupperle, R. L., **Kirlic, N.** (2021). The effect of mindfulness-based stress intervention on neurobiological and symptom measures in adolescents with early life stress: A randomized feasibility study. *BMC Complementary Medicine and Therapies*, 21(123), 1-14.

Kirlic, N., Colaizzi, J., Cosgrove, K. T., Cohen, Z., Yeh, H., Breslin, F., Morris, A. S., Aupperle, R. L., Singh, M. K., & Paulus, M. P. (in press). Extracurricular activities, screen media activity, and sleep may be modifiable factors related to children's cognitive functioning: Evidence from the ABCD Study®. *Child Development*.

McDermott, T. J., **Kirlic, N.**, Akeman, C. E., Touthang, J., Clausen, A. N., Kuplicki, R., & Aupperle, R. L. (2021). Test-retest reliability of approach-avoidance conflict decision-making during functional magnetic resonance imaging in healthy adults. *Human Brain Mapping*.

May, A. C., Burrows, K., Figueroa-Hall, L. K., **Kirlic, N.**, White, E. J., Smith, R., . . . Stewart, J. L. (2021). Sex Differences in Circulating Inflammatory Mediators as a Function of Substance Use Disorder. *Drug and Alcohol Dependence*, 108610.

White, E. J., Kuplicki, R., Stewart, J. L., **Kirlic, N.**, Yeh, H., T-1000 investigators, Paulus, M. P., Aupperle, R. L.

(2021). Latent variables of region of interest activation during the monetary incentive delay task. *Neuroimage*.

Savitz, J., Ford, B. N., Yeh, H. W., Akeman, C. E., Cosgrove, K., Clausen, A. N., Martell, C., **Kirlic, N.**, Santiago, J., Teague, K., Iriwn, M. R., Paulus, M. P., Aupperle, R. L. (2021). Behavioral Activation Therapy for Depression Reduces the Concentration of Circulating Quinolinic Acid. *Psychological Medicine*.

Smith, R., **Kirlic, N.**, Stewart, J. L., Touthang, J., Kuplicki, R., Khalsa, S. S., ... Aupperle, R. (2020). Greater decision uncertainty characterizes a transdiagnostic patient sample during approach-avoidance conflict: a computational modeling approach. *Journal of Psychiatry and Neuroscience*.

McDermott, T. J., **Kirlic, N.**, Akeman, C. E., Touthang, J., Cosgrove, K., DeVille, D., Calusen, A. N., White, E. J., Kuplicki, R., Aupperle, R. L. (2020). Visual cortical networks show sufficient test-retest reliability while salience networks are unreliable during emotional face processing. *Neuroimage*.

Kirlic, N., Cohen, Z. P., & Singh, M. K. (2020). Is there an ace up our sleeve? A review of interventions and strategies for addressing behavioral and neurobiological effects of adverse childhood experiences for youth. *Adversity and Resilience Science: Journal of Research and Practice*, 1(1), 5-28.

Santiago, J., Akeman, E., **Kirlic, N.**, Clausen, A. N., Cosgrove, K. T., McDermott, T. J., Mathis, B., Paulus, M. P., Craske, M. G., Abelson, J., Martell, C., Wolitzky-Taylor, K., Bodurka, J., Thompson, W. K., & Aupperle, R. L. (2019). A randomized controlled trial examining multi-level prediction of response to behavioral activation and exposure-based therapy for generalized anxiety disorder. *Trials*.

Akeman, C. E., **Kirlic, N.**, Claussen, A. N., Cosgrove, K., McDermott, T. J., Cromer, L., Paulus, M. P., Yeh, H. W. & Aupperle, R. L. (2019). A pragmatic clinical trial examining the impact of a resilience program in college student mental health. *Depression and Anxiety*.

Kirlic, N., Aupperle, R. L., Rhudy, J. L., Misaki, M., Kuplicki, R., Sutton, A., & Alvarez, R. P. (2019). Latent variable analysis of negative affect and its contributions to neural responses during shock anticipation. *Neuropsychopharmacology*, 44, 695-702.

McDermott, T. J., **Kirlic, N.**, & Aupperle, R. L. (2018). Roadmap for optimizing the clinical utility of emotional stress paradigms in human neuroimaging research. *Neurobiology of Stress*, 8, 134-146.

Khalsa, S. S., Adolphs, R., Cameron, O. G., Critchley, H. D., Davenport, P. W., Feinstein, J. S., Feusner, J. D., Garfinkel, S. N., Lane, R.D., Mehling, W. E., Meuret, A. E., Nemeroff, C. B., Oppenheimer, S., Petzschner, F. H., Pollatos, O., Rhudy, J. L., Schramm, L. P., Simmons, W. K., Stein, M. B., Stephan, K. E., Van Den Bergh, O., Van Diest, I., von Leupoldt, A., Paulus, M. P., & **Interoception Summit 2016 Participants**. (2018). Interoception and Mental Health: A Roadmap. *Biological Psychiatry Cognitive Neuroscience and Neuroimaging*, 3(6), 501-513.

Kirlic, N., Aupperle, R. L., Misaki, M., Kuplicki, R. & Alvarez, R. P. (2017). Recruitment of orbitofrontal cortex during unpredictable threat among adults at risk for affective disorders. *Brain and Behavior*, e00757, 1-11 DOI: 10.1002/brb3.757

Kirlic, N., Young, J., & Aupperle, R. L. (2017). Animal to human translational paradigms relevant for approach-avoidance conflict decision. *Behaviour Research and Therapy*, 96, 14-29.

- Aupperle, R. L., Morris, A. S., Silk, J. S., Criss, M. M., Judah, M., Eagleton, S., **Kirlic, N.**, Byrd-Craven, J., Philips, R., & Alvarez, R. P. (2016). Neural responses to maternal praise and criticism: relationship to depression and anxiety symptoms in high-risk adolescent girls. *Neuroimage: Clinical*, 4(11), 548-554.
- Alvarez, R. P., **Kirlic, N.**, Misaki, M., Bodurka, J., Rhudy, J. L., Paulus, M. P., & Drevets, W. C. (2015). Increased anterior insula activity in anxious individuals is linked to diminished perceived control. *Translational Psychiatry*, 5, e591, 1-9.
- Newman, E., Pfefferbaum, B., **Kirlic, N.**, Tett, R., Nelson, S., & Liles, B. (2014). Meta-analytic review of psychological interventions for children survivors of natural and man-made disasters. *Current Psychiatry Reports*, 16(462) 1-10.
- Kirlic, N.**, Newman, E., LaGasse, L., Derauf, C., Shah, R., Smith, L. M., Arria, A., Huestis, M. A., Haning, W., Strauss, A., Della Grotta, S., Dansereau, L. M., Abar, B., Neal, C., & Lester, B. M. (2013). Cortisol Reactivity in Two-year-old Children Prenatally Exposed to Methamphetamine. *Journal of Studies on Alcohol and Drugs*, 74(3), 447-451.
- Blood, A. J., Kuster, J., Woodman, S., **Kirlic, N.**, Makhlof, M. L., Mulhaupt-Buell, T. J., Makris, N., Parent, M., Sudarsky, L. R., Sjalander, G., Breiter, H., Breiter, H. C., & Sharma, N. (2012). Evidence for altered basal ganglia-brainstem connections in cervical dystonia. *PLoS One*, 7(2), 1-11.

PEER REVIEWED BOOK CHAPTERS

- Aupperle, R. L., White, E., McDermott, T., **Kirlic, N.** (in press). *The Brain and Anxiety from an Approach-Avoidance Decision Making Framework*. In: APA Handbook of Neuropsychology.
- Rezapour, T., Assari, S., **Kirlic, N.**, Vassileva, J., & Ekhtiari, H. (2021). Enhancing Cognitive Resilience in Adolescence and Young Adults: A Multi-dimensional Approach. In Julie M. Croff and Jason Beaman (Eds.), *Family Resilience and Recover from Opioids and Other Addictions. Emerging Issues in Family and Individual Resilience*. Cham, Switzerland: Springer Nature. https://doi.org/10.1007/978-3-030-56958-7_3
- Newman, E., Briere, J., & **Kirlic, N.** (2012). Clinical assessment as a form of listening and intervention. In Robert A. McMackin, Terence M. Keane, Elana Newman, Jason M. Fogler (Eds.), *Trauma Therapy in Context: The Science and Craft of Evidence-Based Practice*. Washington DC: American Psychological Association.
- Kirlic, N.** & Langrock, A. M. (2012). Internalizing and externalizing symptoms in a sample of Bosnian young adults ten years after the war. In Olivera Simic, Zala Volcic, & Catherine Philpot (Eds.), *Peace Psychology in the Balkans: Dealing with a Violent Past While Building Peace*.
- Helsing, J., **Kirlic, N.**, McMaster, N., & Sonnenshein, N. (2006). Young People's Activism and the Transition to Peace: Bosnia, Northern Ireland, and Israel. In Siobhán McEvoy-LevY (Ed.), *Troublemakers or peacemakers? Youth and post-accord peacebuilding* (p. 195-215). Notre Dame, IN: University of Notre Dame Press.

CONFERENCE PRESENTATIONS AND WORKSHOPS

- McDermott, T., **Kirlic, N.**, Smith, R., Akeman, E., Santiago, J., Clausen, A., ... & Aupperle, R. (2021, April). Neurobehavioral Relationships During an Approach-Avoidance Conflict Decision-Making Task in Adults With Major Depressive Disorder During fMRI. *Society of Biological Psychiatry Annual Meeting, Virtual.*
- Ford, B., Savitz, J., Yeh, H. W., Akeman, E., Cosgrove, K., Clausen, A., Martell, C., **Kirlic, N.**, Santiago, J., Teague, T.K. and Irwin, M., & Aupperle, R. (2021, April). Circulating Quinolinic Acid is Reduced Following Behavioral Activation Therapy in Major Depressive Disorder. *Society of Biological Psychiatry Annual Meeting, Virtual.*
- Cosgrove, K., Mosconi, M., Breslin, F., Paulus, M. P., **Kirlic, N.**, Morris, A., & Aupperle, R. (April, 2021). Cortical Metrics in Pre-Adolescence: A Latent Variable Analysis of sMRI Data in the ABCD Study. *Society for Research in Child Development.*
- Kirlic, N.**, Cohen, Z. P., Akeman, E., Aupperle, R. (2021, March). Mindfulness-based stress training significantly improves psychological well-being in youth exposed to early life adversity. In C. Cummings (Chair), Promoting Resilience Using Novel Interventions Among Individuals at Risk. *Anxiety and Depression Association of America Annual Conference, Virtual.*
- McDermott, T. J., **Kirlic, N.**, Akeman, C. E., Touthang, J., Clausen, A. N., Kuplicki, R., & Aupperle, R. L. (2021, March). Test-retest reliability of approach-avoidance conflict decision-making during functional magnetic resonance imaging in healthy adults. *Anxiety and Depression Association of America Annual Conference, Virtual.*
- Aupperle, R., **Kirlic, N.**, Akeman, E., McDermott, T. J., Cosgrove, K., DeVille, D., Yeh, H.W. (March, 2021). A machine learning approach to identifying risk and protective factors for suicidal ideation in first year college students. In R. Aupperle (Chair), I'm Still Standing: Risk and Protective Factors Relevant for Suicide and Depression. *Anxiety and Depression Association of America Annual Conference, Virtual.*
- Kirlic, N.**, Cohen, Z. P., Tsuchiyagaito, A., Misaki, M., Aupperle, R., Bodurka, J., & Paulus, M. P. (2020, December). Augmented mindfulness training for adolescents: an fMRI neurofeedback feasibility study. *American College of Neuropsychopharmacology Annual Meeting, Virtual.*
- Aupperle, R., Tsuchiyagaito, A., McDermott, T., Akeman, E., Santiago, J., **Kirlic, N.**, DeVille, D., Smith, J., Paulus, M. P., & Bodurka, J. (2020, December). Ventromedial prefrontal cortex fMRI neurofeedback training during positively-valenced future thinking for individuals experiencing suicidal thoughts. *American College of Neuropsychopharmacology Annual Meeting, Virtual.*
- White, E. J., Kuplicki, R., Stewart J. L., **Kirlic, N.**, Yeh, Hung-Wen, T1000 Investigators, Paulus, M. P., & Aupperle, R. L. (2020, December). Latent variables for region of interest activation during the Monetary Incentive Delay Task. *American College of Neuropsychopharmacology Annual Meeting, Virtual.*
- Cohen, Z. P., Akeman, E., Aupperle, R. L., Teague, K., Hays-Grudo, J., Paulus, M. P., & **Kirlic, N.** (2020, November). The effect of mindfulness on depression and cortisol responses in youth exposed to childhood maltreatment: Findings from a pilot randomized clinical trial. *Association for Behavioral and Cognitive Therapies Annual Convention, Virtual.*

- Kirlic, N.**, Cohen, Z. P., Akeman, E., Aupperle, R. (2020, March). Mindfulness-based stress training significantly improves psychological well-being in youth exposed to early life adversity. In C. Cummings (Chair), Promoting Resilience Using Novel Interventions Among Individuals at Risk. *Anxiety and Depression Association of America Annual Conference*, San Antonio, TX (Conference cancelled).
- Kirlic, N.**, Colaizzi, J., Breslin, F., Yeh, H. & Paulus, M. P. (2019, December). Too much screen time, poor physical health, and few extracurricular activities are associated with poor neurocognitive functioning in the ABCD cohort of 9-10-year-old youth. *American College of Neuropsychopharmacology Annual Meeting*, Orlandod, FL.
- Aupperle, R., Smith, R., **Kirlic, N.**, McDermott, T. J., Akeman, E., Santiago, J., Clausen, A. N., Martell, C., Wolitzky-Taylor, K., Abelson, J., Craske, M. G., Paulus, M. P. (2019, December). A computational approach-avoidance framework for predicting CBT response for generalized anxiety disorder and major depressive disorder. *American College of Neuropsychopharmacology Annual Meeting*, Orlando, FL.
- Kirlic, N.**, Akeman, E., Cosgrove, K., Touthang, J., Aupperle, R. (2019, November). A pilot randomized clinical trial examining mindfulness-based stress reduction for youth with early life adversity. *International Society for Traumatic Stress Studies Annual Meeting*, Boston, MA
- Breslin, F.B., Colaizzi, J., **Kirlic, N.**, Paulus, M.P. (2019, August). Sex effects on the relationship between economic stress and neurocognitive function on subcortical gray matter volume in the Adolescent Brain Cognitive Development Study. *Flux Congress*, New York, NY.
- Kirlic, N.** (June, 2019). Made to thrive: neuroscience-based prevention of long-term consequences of early life adversity. In M. Paulus (Chair), Neuroscience. *NIH IDeA Central Region Conference*. Oklahoma City, OK.
- Aupperle, R.L., McDermott, T.J., **Kirlic, N.**, Akeman, E., Santiago, J., Clausen, A.N., Martell, C., Wolitzky-Taylor, K., Abelson, J., Craske, M., Paulus, M. (2019, May). *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*. 9th World Congress of Behavioral & Cognitive Therapies (WCBCT), Berlin, Germany.
- Aupperle, R. L., Kuplicki, R., Deville, D., Khalsa, S., Yehm H. W., McDermott, T. J., **Kirlic, N.**, Victor, T., Paulus, M. P., & Tulsa 1000 Investigators (2019, May). Psychosocial and neural factors contributing to suicide risk in a large, transdiagnostic sample. *Society of Biological Psychiatry Annual Meeting*, Chicago, IL.
- McDermott, T. J., Puhl, M., **Kirlic, 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. *Society of Biological Psychiatry Annual Meeting*, Chicago, IL.
- Kirlic, N.**, McDermott, T. J., Akeman, E., & Aupperle, R. L. (2019, March). Neural correlates of approach-avoidance conflict decision-making in a transdiagnostic sample. In S. Lissek (Chair), Toward understanding avoidance in clinical anxiety: the value of experimental choice paradigms. *Anxiety and Depression Association of America Annual Conference*, Chicago, IL.
- Aupperle, R.L., Akeman, E., McDermott, T., **Kirlic, 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.

McDermott, T. J., Akeman, E., **Kirlic, N.**, Cosgrove, K., Clausen, A. N., Cromer, L. D., Aupperle, R. L. (2019, March). The impact of resiliency training for first-semester college students on neural activation during an emotional faces task. *Anxiety and Depression Association of America Annual Conference*. Chicago, IL.

Akeman, E., **Kirlic, N.**, McDermott, T. J., Aupperle, R. L. (2019, March). I'm still standing: investigating suicidal risk and resilience factors for college students. *Anxiety and Depression Association of America Annual Conference*. Chicago, IL.

Kirlic, N., McDermott, T. J., Aupperle, R. L., Paulus, M., & Tulsa 1000 Investigators (2018, December). Neural and behavioral correlates of approach-avoidance conflict in a large transdiagnostic sample. *American College of Neuropsychopharmacology Annual Meeting*, Hollywood, FL.

Aupperle, R. L., Akeman, E., McDermott, T. J., Cosgrove, K., Clausen, A. N., **Kirlic, N.**, Cromer, L. D., Yeh, H., Misaki, M., & Paulus, M. (2018, December). Impact of resiliency training on mental health symptoms and resting state connectivity for first-semester college students. *American College of Neuropsychopharmacology Annual Meeting*, Hollywood, FL.

DeVries, K., **Kirlic, N.**, McDermott, T., Cosgrove, K., Akeman, E., Aupperle, R. (2018, November). Relationship between personality traits and functional disability for individuals with depression and anxiety disorders. *Oklahoma Psychological Association Annual Conference*.

Aupperle, R., **Kirlic, N.**, Kuplicki, R., & Paulus, M. (2018, September). The use of translational fear learning and conflict paradigms to probe neural circuitry relevant for anxiety. *Society for Research in Psychopathology*, Indianapolis, IN.

Kirlic, N., Aupperle, R., Kuplicki, R., Paulus, M., & Tulsa 1000 Investigators. (2018, May). Neural correlates of fear learning in a large, clinically diverse community sample. *Society of Biological Psychiatry Annual Meeting*, New York, NY.

McDermott, T. J., **Kirlic, N.**, Akeman, E., & Aupperle, R. L. (2018, May). Test-Retest Reliability of an Emotional Faces Task and the Impact of Data Quality. *Society of Biological Psychiatry Annual Meeting*, New York, NY.

Kirlic, N., Aupperle, R., Kuplicki, R., Paulus, M., & Tulsa 1000 Investigators. (2018, April). Multilevel analysis of fear learning in a large, clinically diverse community sample. *Anxiety and Depression Association of America Annual Conference*, Washington, DC.

Akeman, E., Clausen, A. N., **Kirlic, N.**, Aupperle, R. (2018, April). Resiliency training for college students: Impact on psychological health and academic success. *Anxiety and Depression Association of America Annual Conference*, Washington, DC.

Kirlic, 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.

- Kirlic, N.**, Aupperle, R. L., & Alvarez, R. P. (2017, April). Major depression is associated with pregenual ACC activation during unpredictable threat. *Anxiety and Depression Association of America Annual Conference*, San Francisco, CA.
- Clausen, A. N., Bergamino, M., **Kirlic, N.**, & Aupperle, R. (2017, June). White matter differences in depression: Impact of comorbid substance abuse on white matter health, *Organization for Human Brain Mapping Annual Meeting*. Vancouver, Canada.
- Kirlic, N.**, Aupperle, R. L., Rhudy, J.L., & Alvarez, R. P. (2017, May). Pain-related negative affect relates to anxious reactivity and anterior insula activity during unpredictable threat of shock. *Society of Biological Psychiatry Annual Meeting*, San Diego, CA.
- Kirlic, N.**, Aupperle, R. L., & Alvarez, R. P. (2017, April). Major depression is associated with pregenual ACC activation during unpredictable threat. *Anxiety and Depression Association of America Annual Conference*, San Francisco, CA.
- Cosgrove, K., **Kirlic, N.**, Clausen, A., Paulus, M., & Aupperle R. L. (2017, April). Behavioral activation therapy is associated with self-reported changes in interoceptive processing. *Anxiety and Depression Association of America Annual Conference*, San Francisco, CA.
- Akeman, E., Clausen, A., **Kirlic, N.**, Cromer, L., Aupperle R. L. (2017, April). History of trauma exposure in college students: relationship to mental health symptoms, academic success, and resilience. *Anxiety and Depression Association of America Annual Conference*, San Francisco, CA.
- Kirlic, N.**, Newman, E., & Alvarez, R. P. (2016, April). Dispositional reappraisal predicts increased activation in the anterior insula during predictable threat. *Anxiety and Depression Association of America Annual Conference*, Miami, FL.
- Aupperle, R., Morris, A., Eagleton, S., Judah, M., Byrd-Craven, J., Silk, J., Phillips, R., Criss, M., **Kirlic, N.** & Alvarez, R. P. (2016, April). Neural Responses to Maternal Feedback: Relationship to Anxiety Symptoms in High-Risk Adolescents. *Anxiety and Depression Association of America Annual Conference*, Miami, FL.
- Kirlic, N.** & Alvarez, R. P. (2015, November). Individuals at risk for affective disorders exhibit dysfunction in a medial prefrontal brain network involved in anticipation of aversive outcomes. *31st International Society for Traumatic Stress Studies Annual Meeting*, New Orleans, LA.
- Patel, A., **Kirlic, N.**, Newman, E., Pfefferbaum, B., Tett, R., Nelson, S., & Liles, B. (2015, May). Does national wealth moderate youth PTSD outcomes post-disaster? A systematic review of interventions. *Association for Psychological Science Symposium*, New York, NY.
- Kirlic, N.**, Urbano, D., Newman, E., & Alvarez, R. P. (2015, April). Emotion dysregulation predicts subjective anxiety during relative safety from threat in depressed individuals. *Anxiety and Depression Association of America Annual Conference*, Miami, FL.
- Alvarez, R. P., **Kirlic, N.**, Misaki, M., Bodurka, J., & Drevets, W. C. (2015, April). Anxiety proneness is linked to increased insula activity through perceived control. *Anxiety and Depression Association of America Annual Conference*, Miami, FL.

- Kirlic, N.**, & Newman, E. (Invited; 2014, December). PTSD and the brain: What clinicians need to know. In E. Newman (chair), Workshop: *Underexplored Territories in Trauma Education: Charting Frontiers for Clinicians and Researchers*, The University of Tulsa, Tulsa, OK.
- Kirlic, N.**, Misaki, M., Bodurka, J., Drevets, W. C., & Alvarez, R. P. (2014, November). Brain responses to unpredictable threat in individuals at high risk for depression. *Society for Neuroscience Annual Meeting*, Washington, DC.
- Alvarez, R. P., Misaki, M., **Kirlic, N.**, Bodurka, J., & Drevets, W. C. (2014, May). Effects of uncertain threat on extended amygdala in depressed and anxious adults. *Society of Biological Psychiatry 69th Annual Scientific Meeting*, New York, NY.
- Kirlic, N.**, Alvarez, R. P., & Hammond, J. (2013, November). Neural responses to unpredictable threat in healthy individuals with childhood maltreatment. *29th International Society for Traumatic Stress Studies Annual Meeting*, Philadelphia, PA.
- Kirlic, N.** (Discussant), Figley, C., Courtois, C., Kudler, H., & Osofsky, J. (2013, November). Building resilience among young clinicians and researchers working with trauma-exposed populations. *29th International Society for Traumatic Stress Studies Annual Meeting*, Philadelphia, PA.
- Alvarez, R. P., **Kirlic, N.**, & Hammond, J. (2013, November). Brain activity underlying anxious reactivity to unpredictable threat. *Society for Neuroscience Annual Meeting*, San Diego, CA.
- Alvarez, R. P., Newman, E., & **Kirlic, N.** (2013, September). Emerging knowledge of anxiety: Understanding the neural mechanisms and clinical implications. *19th Annual Zarrow Mental Health Symposium*, Tulsa, OK.
- Kirlic, N.**, Tett, R., Nelson, S., Liles, B., Newman, E., & Pfefferbaum, B. (2013, June). Moderators of intervention outcomes among children disaster survivors: A meta-analysis. *13th European Conference on Traumatic Stress*, Bologna, Italy.
- Kirlic, N.** (Discussant), Jordans, M., Brymer, M., & Horton, R. (2012, November). From one generation to the next: Experts reflect on lessons from and future needs in post-conflict and disaster environments. *28th International Society for Traumatic Stress Studies Annual Meeting*, Los Angeles, CA.
- Alvarez R. P., **Kirlic, N.**, & Mattlock, M. (2012, November). Neural mechanisms underlying contextual anxiety. In C. Grillon (Chair), Nanosymposium: Neural circuitry underlying anxiety and processing of fear. *Society for Neuroscience Annual Meeting*, New Orleans, LA.
- Kirlic, N.**, Houser, B., & Alvarez, R. (2012, April). A novel approach to investigating anticipatory anxiety using virtual reality and functional imaging. In W. C. Drevets (symposium chair), Special topic symposium: Development and application of novel MRI approaches for investigating the neurophysiological correlates of depression and anxiety. *15th Annual University of Tulsa Student Research Colloquium and American Association for the Advancement of Science-SWARM Division 86th Annual Meeting*, Tulsa, OK.
- Kirlic, N.**, Newman, E., LaGasse, L., Derauf, C., Shah, R., Smith, L. M., Arria, A., Huestis, M. A., Haning, W., Strauss, A., Della Grotta, S., Dansereau, L. M., Abar, B., Neal, C., & Lester, B. M. (2012, April). Cortisol reactivity in two-year-old children prenatally exposed to methamphetamine. *15th Annual University of Tulsa*

Student Research Colloquium and American Association for the Advancement of Science-SWARM Division 86th Annual Meeting, Tulsa, OK.

Kirlic, N., Tett, R., Biden, S., Nelson, S., Liles, B., Newman, E., & Pfefferbaum, B. (2011, November). The role of social contexts and age in treatment of children disaster survivors: A meta-analysis. *27th International Society for Traumatic Stress Studies Annual Meeting, Baltimore, MD.*

Kirlic, N. & Langrock, A. M. (2011, June). Externalizing behaviors in a sample of Bosnian young adults ten years after the war. *12th European Conference on Traumatic Stress, Vienna, Austria.*

Blood, A. J., Kuster J. K., Mulhaupt-Buell T. J., Makris N., **Kirlic, N.**, Makhlof M. L., et al. (2010, April). The role of the basal ganglia in postural control and stabilization: A conceptual model for dystonia and other movement disorders. *Massachusetts General Hospital Neurology Retreat, Boston, MA.*

Blood, A. J., Lee, S., Loehr, V., **Kirlic, N.**, Kim, B., Lee, M., et al. (2008, November). Translational multimodal imaging approaches to an illness commonly comorbid with addiction-depression. *Transdisciplinary Approaches to Mechanism of Behavior Change (MOBS) in Alcohol: Connecting Basic Science Discoveries to Behavior Change Research, New York, NY.*

Kirlic, N. & Langrock, A. M. (2007, May). Ten years after the war: Symptoms of internalizing in a sample of Bosnian young adults. *Society for Research on Adolescence Biennial Meeting, Chicago, IL.*

INVITED COMMUNITY PRESENTATIONS

Kirlic, N. (2019, January). Mind your stress! *Bishop Kelly High School 9th Grade Assembly, Tulsa, OK.*

Kirlic, N. (2018, October). Mindfulness in the era of provider burnout: keeping your fire alive. *Saint Francis Hospital System Physician Wellness Evening, Tulsa, OK.*

PEER REVIEW EXPERIENCE

Anxiety and Depression Association of America Annual Meeting

Biological Psychiatry

Brain and Behavior

Cognitive, Affective and Behavioral Neuroscience

Cognitive Therapy and Research

Depression and Anxiety

International Society for Traumatic Stress Studies Annual Conference

Journal of Abnormal Psychology

Journal of Affective Disorders

Journal of Research on Adolescence

Neurobiology of Stress

Neuroimage

Neuroscience and Behavioral Reviews

Neuroscience
Neuroscience Letters
Progress in Neuropsychopharmacology and Biological Psychiatry

PROFESSIONAL AFFILIATIONS

2018 – present	Society of Biological Psychiatry
2014 – present	Anxiety and Depression Association of America
2014	Society for Neuroscience
2013 – present	European Society for Traumatic Stress Studies
2013 – 2016	American Psychological Association, Division 56, Trauma Psychology
2010 – present	International Society for Traumatic Stress Studies
2010 – 2011	American Psychological Association

SPECIALIZED TRAINING & WORKSHOPS

02/2021	Therapist Training: Wolitzky-Taylor, Kate. <i>Cognitive-Behavioral Therapy for Alcohol Use Disorder</i> . Laureate Institute for Brain Research, Tulsa, OK.
07/2020	Therapist Training: Markowitz, John. <i>Brief Supporting Psychotherapy</i> . Laureate Institute for Brain Research, Tulsa, OK.
03/2018	Therapist training: Biegel, Gina. <i>Mindfulness Based Stress Reduction for Teens</i> .
03/2017	Training: Parsons, Jeffrey. <i>Grant Writing Essentials</i> . Oklahoma State University, Tulsa, OK.
09/2016	Training (web-based): Martell, Christopher. <i>Behavioral Activation for Depression</i> .
08/2016	Training: Craske, Michelle. <i>Treatment of Affective Dimensions</i> . UCLA, Los Angeles, CA.
09/2015	Training: Kirsch, Bryan. <i>Motivational Interviewing</i> . New Mexico VA Health Care System, Albuquerque, NM
04/2015	Training: Martell, Christopher. <i>Behavioral Activation for Depression</i> . Laureate Institute for Brain Research, Tulsa, OK
03/2014	Training: Resick, Patricia. <i>Group Cognitive Processing Therapy</i> . Oklahoma Community Readiness for Military Trauma, Tulsa, OK
12/2012	Training (follow-up): Price, Jennifer. <i>Clinician Administered PTSD Scale (CAPS)</i> . Laureate Institute for Brain Research, Tulsa, OK
10/2012	Training: Resick, Patricia. <i>Cognitive Processing Therapy</i> . Oklahoma Community Readiness for Military Trauma, Tulsa, OK
04/2012	Training: Bonebright, Cindy. <i>First Aid</i> . Laureate Institute for Brain Research, Tulsa, OK
12/2011	Training: Price, Jennifer. <i>Clinician Administered PTSD scale (CAPS)</i> . Laureate Institute for Brain Research, Tulsa, OK
09/2011	Workshop: Schwartz, David. <i>Personality Assessment Inventory (PAI) in clinical use</i> . University of Oklahoma Health Sciences Center, Oklahoma City, OK
06/2011	Workshop: Yehuda, Rachel. <i>Clinical applications of trauma neurobiology</i> . University of Vienna, Vienna, Austria
04/2011	Training: <i>Analysis of Functional NeuroImages (AFNI) software packages</i> . National Institute of Mental Health, University of Oklahoma, University of Tulsa, & Laureate Institute for Brain Research, Tulsa, OK

- 12/2010 **Workshop:** Davis, Joanne. *Exposure, relaxation, and rescripting therapy for nightmares*. The University of Tulsa, Tulsa, OK
- 06/2009 **Training:** *Ninth International FSL and Freesurfer Course; Software Packages for structural and functional brain imaging analysis*. Oxford University, UK and Martinos Biomedical Imaging Center, Massachusetts General Hospital, Boston, MA
- 03/2009 **Workshops:** *Seminars in Applied Biostatistics for Clinical Trials*. Massachusetts General Hospital, Boston, MA

LEADERSHIP & COMMITTEE APPOINTMENTS

- 2013 – 2015 **Member**, Membership Committee, International Society for Traumatic Stress Studies
- 2013 **Member**, Nominations Committee, International Society for Traumatic Stress Studies
- 2012 – 2013 **Social Networking Administrator**, International Society for Traumatic Stress Studies
- 2010 – 2013 **Chair**, Oklahoma Committee of the Middlebury College Alumni Admissions Program
- 2011 – 2012 **Clinical Psychology PhD Representative**, Graduate Student Association of Psychology, The University of Tulsa, OK
- 2010 – 2011 **Senator**, Graduate Student Association, The University of Tulsa, OK
- 2010 – 2011 **Member**, Graduate Student Association Financial Allocation Committee, The University of Tulsa, OK
- 2009 – 2010 **Vice President**, Boston Chapter of the Middlebury College Alumni Association, MA
- 2002 – 2003 **President**, International Students' Organization, Middlebury College, VT
- 2002 **Member**, Sexual Assault Policy Working Group, Middlebury College, VT