

Curriculum Vitae

Shmuel M. Lissek

Work address

75 East River Road
N416 Elliott Hall
Department of Psychology
University of Minnesota
Minneapolis, MN 55455
612-626-9918
smlissek@umn.edu

Home address

2709 Toledo Avenue
Saint Louis Park, MN 55416
612-720-3152 (cell)

Lab Website: <http://angst.psych.umn.edu/>

Education

- 10/2006-2010 Richard J. Wyatt Memorial Research Fellow, Mood and Anxiety Disorders Program, NIMH, Bethesda, Maryland (Mentor: Christian Grillon, Ph.D.)
- 8/2002-9/2006 Postdoctoral Intramural Research and Training Awardee, Mood and Anxiety Disorders Program, NIMH, Bethesda, Maryland (Mentor: Christian Grillon, Ph.D.)
- 7/2001-7/2002 APA Approved Clinical Internship, Department of Psychiatry, Interfaith Medical Center, Brooklyn, New York (Internship Director: Janet Weisberg, Ph.D., Chief of Psychology: Joel Sambursky, Ph.D.)
- 9/1997-9/2002 Ph.D., Psychology (Clinical), awarded May 2002, St. John's University, Queens, New York (Advisor: Alice S. Powers, Ph.D.)
- 9/1991-5/1995 B.A., Sociology, awarded May 1995, Columbia University, New York, NY

Fellowships and Awards

- 4/2016 Arthur "Red" Motley Exemplary Teaching Award, for teaching achievements that exemplify the College of Liberal Arts' highest aspirations for undergraduate and graduate education. University of Minnesota, Minneapolis, MN.
- 6/2015 Honorable mention for the 2015 Ziskind-Somerfeld Research Award, *Biological Psychiatry*
- 4/2014 President's Distinguished Faculty Mentor Award, presented for exceptional dedication to mentoring and student success, University of Minnesota, Minneapolis, MN.

- 8/2008-8/2013 National Institutes of Health Pathway to Independence Award (K99/R00) entitled, “Generalization of conditioned fear as a pathogenic marker of PTSD”, Extramural Research Program, National Institute of Mental Health, Bethesda, MD
- 6/2009 The 2009 NIH Outstanding Postbaccalaureate Mentor Award, presented for outstanding contributions to the education and guidance of NIH Postbaccalaureate Trainees, National Institutes of Health, Bethesda, MD
- 5/2008 The 2008 NIH Outstanding Postbaccalaureate Mentor Award, presented for outstanding contributions to the education and guidance of NIH Postbaccalaureate Trainees, National Institutes of Health, Bethesda, MD
- 12/2007 The American College of Neuropsychopharmacology Travel Award, Anxiety Disorders Association of America, Silver Spring, MD
- 3/2007 The ADAA Career Development Travel Award, Anxiety Disorders Association of America, Silver Spring, MD
- 10/2006-8/2010 The Richard J. Wyatt Memorial Fellowship Award, presented for outstanding scientific accomplishments in the Division of Intramural Research Program, National Institute of Mental Health, Bethesda, MD
- 5/2006 Travel Fellowship Award for Past Excellence and Potential for Scholarly Growth, Society of Biological Psychiatry
- 8/2002-9/2006 Postdoctoral Intramural Research and Training Award, The Division of Intramural Research Programs, National Institute of Mental Health, Bethesda, MD
- 7/1999 Career Development Travel Award, Department of Psychology, St. John’s University, Queens, NY
- 9/1998-6/1999 Doctoral Teaching Fellowship, Department of Education, New York University, New York, NY
- 9/1997-6/2001 Graduate Scholarship Award, Department of Psychology, St. John’s University, Queens, NY

Academic Appointments

- 8/2010-8/2016 Assistant Professor, University of Minnesota, Department of Psychology
- 8/2016-Present Associate Professor, University of Minnesota, Department of Psychology
- 8/2010-Present Director: ANGST Laboratory
- In the Anxiety Neuroscience Grounded in cross-Species Translation (ANGST) group, we examine the psychobiology of fear with special emphasis on fear-conditioning correlates of clinical anxiety. Over the past 7 years, the major thrust of our work has centered on the application of behavioral, psychophysiological, and fMRI methods for elucidating the psychology, neurobiology, pharmacology, and clinical relevance of conditioned fear-generalization: a basic associative-learning mechanism through which conditioned-fear transfers to safe stimuli sharing characteristics with conditioned-danger cues. One next logical step in this line of work, which currently serves as a central focus of my group, is assessing the active, instrumental behavior

resulting from overgeneralization of Pavlovian conditioned-fear that may impair day-to-day functioning in anxiety disorders like PTSD. To date, human fear-conditioning experiments in clinical and non-clinical samples, have focused almost exclusively on passive-emotional, Pavlovian conditioning, to the virtual exclusion of studying active-behavioral, instrumental-avoidance. This is a significant omission, given the centrality of the instrumental avoidance dimension to most traditional anxiety diagnoses. To fill this gap, our group has validated a novel Pavlovian-instrumental paradigm demonstrating overgeneralization of ‘maladaptive’ instrumental-avoidance resulting from increasing levels of Pavlovian generalization. We are currently applying this paradigm in a number of psychophysiology and neuroimaging studies to elucidate the clinical relevance and psychobiology of processes underlying the transfer of generalized Pavlovian fear to maladaptive generalized avoidance.

Grants

Current

National Center for Complementary and Integrative Health (UH3), “Advancing Research on Mechanisms of Resilience (ARMOR): Prospective Longitudinal Study of Adaptation in New Military Recruits” (2018-2023). Key personnel. Total Costs = \$3,149,143.

National Institute on Alcohol Abuse and Alcoholism (K01), “Overlap in Genetic and Learning Based Mechanisms for Alcohol Use Disorder and Posttraumatic Stress Disorder” (5/1/2018 - 4/1/2023). Consultant. Total costs = \$177,833.

National Institute of Mental Health (R01), “Generalized Fear-Conditioning & Avoidance: Neurobiology & Transdiagnostic Import” (7/20/2016-7/19/2021). Principal Investigator. Total Costs = \$2,141,292.

Past

National Institute of Mental Health (R01), “Neural Signature of Fear Overgeneralization in Trauma Exposed Adults” (7/01/15-6/30/19). Principal Investigator on Subcontract. Total Costs = \$1,696,334.00.

National Center for Complementary and Integrative Health (UG3), “Advancing Research on Mechanisms of Resilience (ARMOR): Prospective Longitudinal Study of Adaptation in New Military Recruits” (9/1/2017-10/31/2018). Co-Investigator. Total Costs = \$629,948.

National Institute of Mental Health (R01), “Genetic Contributions of Negative Valence Emotions to Internalizing Pathways in Young Adults” (8/16/2013-7/31/2017). Consultant. Total Costs = \$2,358,604.00.

College of Liberal Arts, University of Minnesota (Neuroimaging Award). “Altruism in the face of physical threat: Contributions of fear-related brain activations to altruistic giving” (8/1/2015-8/01/2016). Principal Investigator. Total Costs = \$10,000.00.

College of Liberal Arts, University of Minnesota (Neuroimaging Award). “Retinotopic Mapping of Conditioning-Dependent Changes in Visual Cortex Associated with Fear Generalization” (8/1/2014-8/01/2015). Principal Investigator. Total Costs = \$10,000.00.

CTSI, University of Minnesota. “Neural Substrates of Classically Conditioned Fear Generalization in Anorexia Nervosa” (1/01/14-12/31/15). Co-Investigator. Total Costs = \$29,000.00.

National Institute of Mental Health (K99-R00), “Generalization of conditioned fear as a pathogenic marker of PTSD” (8/01/2008-8/01/2014). Principal Investigator. Total Costs = \$927,000.

University of Minnesota Foundation. “Overgeneralization of Conditioned Fear in Individuals with Anorexia Nervosa” (6/01/13-5/31/14). Co-Investigator. Total costs = \$14,996.

College of Liberal Arts, University of Minnesota (Neuroimaging Award). “fMRI Pilot on Pavlovian and Instrumental Generalization of Conditioned fear” (8/15/2013-8/15/2014). Principal Investigator. Total Costs = \$7,500.00.

Service

9/2014-Present	<u>Colloquium Committee Chair</u> , Department of Psychology, University of Minnesota
9/2014-Present	<u>Research Experience Program/IRB Committee Member</u> , Department of Psychology, University of Minnesota
10/2013-Present	<u>Research Day Committee Chair</u> , Clinical Area, Department of Psychology, University of Minnesota
2012-2016	<u>Graduate Awards Committee Member</u> , Department of Psychology, University of Minnesota
9/2014-2016	<u>Undergraduate Research Opportunities Program (UROP) Awards Committee Member</u> , College of Liberal Arts, University of Minnesota
9/2011-2016	<u>3T Operations Committee Member</u> , Center for Magnetic Resonance Research, University of Minnesota
10/2013-10/2014	<u>Scientific Program Committee Member</u> , Society for Psychophysiological Research
1/2013-11/2013	<u>Scientific Program Committee Member</u> , International Society for Traumatic Stress Studies
8/2013-8/2014	<u>President’s Distinguished Faculty Mentor</u> , University of Minnesota
2/2011-2014	<u>Website Committee Member</u> , Department of Psychology, University of Minnesota
8/2012-6/2014	<u>CLA Assembly Member</u> , College of Liberal Arts, University of Minnesota
8/2011- 2013	<u>Faculty Participant in BrainU</u> , University of Minnesota
10/2011-10/2012	<u>Scientific Program Committee Member</u> , Society for Psychophysiological Research
1/2009–2011	<u>PTSD Task-Force Member</u> , Anxiety Disorders Association of America

8/2004–2010

Participating Mentor, Undergraduate Scholarship Program, National Institutes of Health

Ad Hoc Peer-Reviewer

Grant Review

NIH Study Section, Neural Basis of Psychopathology, Addictions and Sleep Disorders

NIH Study Section, New Therapeutic Uses (NTU)

Research Foundation Flanders (FWO)

Journals

Acta Psychologica

American Journal of Psychiatry

Behavior Therapy

Behaviour Research and Therapy

Behavioural Brain Research

Biological Psychiatry

Biological Psychology

Cognition and Emotion

Cognitive, Affective, & Behavioral Neuroscience

Emotion

International Journal of Psychophysiology

Journal of Abnormal Psychology

Journal of Child Psychology and Psychiatry

Journal of Neuroscience

Journal of Personality and Social Psychology

Learning and Motivation

Psychological Medicine

Psychological Science

Psychoneuroendocrinology

Psychophysiology

Physiology and Behavior

Publications (peer reviewed)

Sun, M., Marquardt, C.A., Disner, S.G., Burton, P.C., Davenport, N.D., **Lissek, S.**, Sponheim, S.R. (in press). Posttraumatic stress symptomatology and abnormal neural responding during emotion regulation under cognitive demands: Mediating effects of personality. *Personality Neuroscience*.

Shukla, M., Lau, J.Y.F., **Lissek, S.**, Pandey, R., Kumari, V. (in press). Reduced emotional responsiveness in individuals with marginal elevation in blood pressure within the normal range: Evidence from altered affect-modulated startle response. *International Journal of Psychophysiology*.

Berg, H., Ma, Y., Rueter, A., Kaczurkin, A.N., Burton, P.C., DeYoung, C.G., MacDonald III, A.W., Sponheim, S.R., and **Lissek, S.** (in press). Salience and central executive networks track overgeneralization of conditioned fear in post-traumatic stress disorder. *Psychological Medicine*.

Hammell, A. E., Helwig, N. E., Kaczurkin, A. N., Sponheim, S. R., & **Lissek, S.** (2020). The temporal course of over-generalized conditioned threat expectancies in posttraumatic stress disorder. *Behaviour Research and Therapy*, *124*, 103513. doi:10.1016/j.brat.2019.103513

Hunt, C., Cooper, S.E, Hartnell, M.P., & **Lissek, S.** (2019). Anxiety sensitivity and intolerance of uncertainty facilitate associations between generalized Pavlovian fear and maladaptive avoidance decisions. *Journal of Abnormal Psychology*, *128*, 315-326.

Lange, I., Goossens, L., Bakker, J., Michielse, S., van Winkel, R., **Lissek, S.**, Leibold, N., Marcelis, M., Wichers, M., van Os, J., van Amelsvoort, T., & Schruers, K. (2019). Neurobehavioural mechanisms of threat generalization moderate the link between childhood maltreatment and psychopathology in emerging adulthood. *Journal of Psychiatry & Neuroscience*, *44*, 185-194.

Cooper, S., Grillon, C., & **Lissek, S.** (2018). Impaired discriminative fear conditioning during later training trials differentiates generalized anxiety disorder, but not panic disorder, from healthy control participants. *Comprehensive Psychiatry*, *85*, 84-93.

Marquardt, C.A., Goldman, D.J., **Lissek, S.**, Cuthbert, B.N., & Sponheim, S.R. (2018). Symptoms of PTSD and not mild traumatic brain injury best account for disrupted emotional responding in OEF/OIF U.S. military personnel. *Journal of Traumatic Stress*, *31*, 114-124.

Kaczurkin, A.N., Burton, P.C., Chazin, S.M., Manbeck, A.B., Espensen-Sturges, T., Cooper, S.E., Sponheim, S.R., & **Lissek, S.** (2017). Neural substrates of over-generalized conditioned fear in posttraumatic stress disorder. *American Journal of Psychiatry*, *174*, 125-134.

Lange, I., Goossens, L., Michielse, S., Bakker, J., **Lissek, S.**, Papalini, S., Verhagen, S., Leibold, N., Marcelis, M., Wichers, M., Lieveerse, R., van Os, J., van Amelsvoort, T., & Schruers, K. (2017). Behavioral pattern separation and its link to the neural mechanisms of fear generalization. *Social Cognitive and Affective Neuroscience*, *12*, 1720-1729.

Hunt, C., Cooper, S.E., Hartnell, M.P., and **Lissek, S.** (2017). Distraction/Suppression and Distress Endurance diminish the extent to which generalized conditioned fear is associated with maladaptive behavioral-avoidance. *Behaviour Research and Therapy*, *96*, 90-105.

Lissek, S., van Meurs, B. (2015). Learning models of PTSD: Theoretical accounts and psychobiological evidence. *International Journal of Psychophysiology*, *98*, 594-605.

Duits, P., Cath, D.C., **Lissek, S.**, Hox, J.J., Hamm, A. O., van de Hout, M.A., Engelhard, I.M. & Baas, J.M.P. (2015). An updated meta-analysis of classical fear-conditioning in the anxiety disorders. *Depression and Anxiety*, *32*, 239-253.

Lissek, S., Bradford, D.E., Alvarez, R.P., Burton, P., Espensen-Sturges, T., Reynolds, R.C., and Grillon, C. (2014). Neural substrates of classically conditioned fear-generalization in humans: A parametric fMRI study. *Social Cognitive and Affective Neuroscience*, *9*, 1134-42.

Lissek, S., Kaczurkin, A.N., Rabin, S., Geraci, M., Pine, D.S., and Grillon, C. (2014). Generalized anxiety disorder is associated with overgeneralization of classically conditioned-fear. *Biological Psychiatry*, *75*, 909-915.

Van Meurs, B., Wiggert, N., Wicker, I., **Lissek, S.** (2014). Maladaptive behavioral consequences of conditioned fear-generalization: A pronounced, yet sparsely studied, feature of anxiety pathology. *Behaviour Research and Therapy*, *57*, 29-37.

Kaczurkin, A.N, **Lissek, S.** (2013). Generalization of conditioned fear in individuals with high and low obsessive-compulsive traits. *Journal of Psychology & Psychotherapy*, *S7*: 003, 1-7.

Britton, J., Grillon, C., **Lissek, S.**, Norcross, M.A., Szuhany, K.L., Chen, G., Ernst, M., Nelson, E.E., Leibenluft, E., Shechner, T., Pine, D.S. (2013). Response to learned threat: An fMRI study in adolescent and adult anxiety. *American Journal of Psychiatry*, *170*, 1195-1204.

Lissek, S. (2012). Toward an account of clinical anxiety predicated on basic, neurally mapped mechanisms of Pavlovian fear-learning. *Depression and Anxiety*, *29*, 257-263.

Haddad, A.D.M., Pritchett, D., **Lissek, S.**, Lau, J.Y.F. (2012). Trait Anxiety and Fear Responses to Safety Cues: Stimulus Generalization or Sensitization? *Journal of Psychopathology and Behavioral Assessment*, *34*, 323-331.

Glenn, C. R., Klein, D. N., **Lissek, S.**, Britton, J. C., Pine, D. S., & Hajcak, G. (2012). The development of fear learning and generalization in 8 to 13 year-olds. *Developmental Psychobiology*, *54*, 675-684.

Haddad, A.D., **Lissek, S.**, Pine, D.S., Lau, J.Y. (2011). How do social fears in adolescence develop? Fear conditioning shapes attention orienting to social threat cues. *Cognition and Emotion*, *25*, 1139-1147.

Cornwell, B.R., Alvarez, R.P., **Lissek, S.**, Kaplan, R., Ernst, M., Grillon, C. (2011). Anxiety overrides the blocking effects of high perceptual load on amygdala reactivity to threat-related distractors. *Neuropsychologia*, *49*, 1363-1368.

Lau, J.Y.F., Nelson, E.E., Angold, A., Britton, J., Ernst, M., Goldwin, M., Grillon, C., **Lissek, S.**, Shiffrin, N., Pine, D.S. (2011). Distinct neural signatures of threat learning in adolescents and adults. *Proceedings of the National Academy of Sciences*, *108*, 4500-4505.

Britton, J.C., **Lissek, S.**, Grillon, C., Norcross, M.A., & Pine, D.S. (2011). Development of anxiety: The role of threat appraisal and fear learning. *Depression and Anxiety*, *28*, 5-17.

Hakamata, Y., **Lissek, S.**, Bar-Haim, Y., Britton, J.C., Fox, N., Leibenluft, E., Ernst, M., & Pine, D.S. (2010). Attention Bias Modification Treatment: A meta-analysis towards the establishment of novel treatment for anxiety. *Biological Psychiatry*, *68*, 982-990.

Lissek S. & Grillon C. (2010). Overgeneralization of conditioned fear in the anxiety disorders: Putative memorial mechanisms. *Journal of Psychology*, *218*, 146-148.

Lissek, S., Rabin, S.J., Heller, R.E., Luckenbaugh, D., Geraci, M., Pine, D.S., & Grillon, C. (2010). Overgeneralization of conditioned fear as a pathogenic marker of panic disorder. *American Journal of Psychiatry*, *167*, 47-55.

Lissek, S., Rabin, S. J., McDowell, D.J., Dvir, S., Bradford, D. E., Geraci, M., Pine, D.S., & Grillon, C. (2009). Impaired discriminative fear-conditioning resulting from elevated fear-responding to learned safety cues among individuals with panic disorder. *Behaviour Research and Therapy*, *47*, 111-118.

Powers, A.S., Hogue, P., Lynch, C., Gattuso, B., **Lissek, S.**, & Nayal, C. (2009). Role of acetylcholine in negative patterning in turtles (*Chrysemys picta*). *Behavioral Neuroscience*, *123*, 804-809.

Reeb, B.C., Helfinstein, S.M., Perez-Edgar, K., Henderson, H.A., **Lissek, S.**, Grillon, C., Pine, D.S., & Fox, N.A. (2009). Startle response in behaviorally inhibited adolescents with a lifetime occurrence of anxiety disorders. *Journal of the American Academy of Child and Adolescent Psychiatry*, *48*, 610-617.

Grillon, C., Pine, D.S., **Lissek, S.**, Rabin, S., & Vythilingam, M. (2009). Increased anxiety during anticipation of unpredictable aversive stimuli in posttraumatic stress disorder but not in generalized anxiety disorder. *Biological Psychiatry*, *66*, 47-53.

Lissek, S., Levenson, J., Biggs, A., Johnson, L., Ameli, R., Pine, D.S., & Grillon, C. (2008). Elevated fear conditioning to socially relevant unconditioned stimuli in social anxiety disorder. *American Journal of Psychiatry*, *165*, 124-32.

Lissek, S., Biggs, A.L., Rabin, S., Cornwell, B.R., Alvarez, R.P., Pine, D.S., & Grillon, C. (2008). Generalization of conditioned fear-potentiated startle in humans: Experimental validation and clinical relevance. *Behaviour Research and Therapy*, *46*, 678-87.

Grillon, C., **Lissek, S.**, Rabin, S., McDowell, D., Dvir, S., & Pine, D.S. (2008). Increased anxiety during anticipation of unpredictable but not predictable aversive stimuli as a psychophysiological marker of panic disorder. *American Journal of Psychiatry*, *165*, 898-904.

Lau, J.Y.F., **Lissek, S.**, Nelson, E., Lee, Y., Roberson-Nay, R., Poeth, K., Jenness, J., Ernst, M., Grillon, C., & Pine, D.S. (2008). Fear conditioning in adolescents with anxiety disorders: Results from a novel experimental paradigm. *Journal of the American Academy of Child and Adolescent Psychiatry*, *47*, 94-102.

Lissek, S., Orme, K., McDowell, D.J., Johnson, L.L., Luckenbaugh, D., & Grillon, C. (2007). Emotion regulation and potentiated startle across affective picture and threat of shock paradigms. *Biological Psychology*, *76*, 124-133.

Cornwell, B.R., Baas, J.M.P., Johnson, L., Holroyd, T., Carver, F., Mitchell-Francis, J., **Lissek, S.**, & Grillon, C. (2007). Neural responses to auditory stimulus deviance under threat of electric shock revealed by spatially-filtered magnetoencephalography. *NeuroImage*, *37*, 282-289.

Grillon C, **Lissek S**, McDowell D, Levenson J, & Pine DS (2007). Reduction of trace but not delay eyeblink conditioning in panic disorder. *American Journal of Psychiatry*, *164*, 283-289.

Lissek, S., Pine, D.S., & Grillon, C. (2006). The *strong situation*: A potential impediment to studying the psychobiology and pharmacology of anxiety disorders. *Biological Psychology*, *72*, 265-270.

Grillon, C., Baas, J.M.P., Pine, D. S., **Lissek, S.**, Lawley, M., Ellis, V., & Levine, J. (2006). The benzodiazepine alprazolam dissociates contextual fear from cued fear in humans as assessed by fear-potentiated startle. *Biological Psychiatry*, *60*, 760-766.

Lissek, S., Baas, J.M.P., Pine, D., Orme, K., Dvir, S., Rosenberger, E., & Grillon, C. (2005). Sensation seeking and the aversive motivational system. *Emotion*, *5*, 396-407.

Lissek, S., Powers, A.S., McClure, E.B., Phelps, E.A., Woldehawariat, G., Grillon, C., & Pine, D.S. (2005). Classical fear-conditioning in the anxiety disorders: A meta-analysis. *Behaviour Research and Therapy*, *43*, 1391-1424.

Lissek, S., Baas, J.M.P., Pine, D.S., Orme, K., Dvir, S., Nugent, M., Rosenberger, E., Rawson, E.,

& Grillon, C. (2005). Airpuff startle probes: An efficacious and less aversive alternative to white-noise. *Biological Psychology*, 68, 283-297.

Hasler, G., **Lissek, S.**, Ajdacic, V., Milos, G., Gamma, A., Eich, D., Rössler, W., & Angst, J. (2005). Major depression predicts an increase in long-term body weight variability in young adults: A twenty year prospective community study. *Obesity Research*, 13, 1991-8.

Pine, D.S., Klein, R.G., Mannuzza, S., Moulton, J.L. 3rd, **Lissek, S.**, Guardino, M., & Woldehawariat, G. (2005). Face-Emotion Processing in Offspring at Risk for Panic Disorder. *Journal of the American Academy of Child and Adolescent Psychiatry*, 44, 664-672.

Pine, D.S., **Lissek, S.**, Klein, R.G., Mannuzza, S., Moulton, J.L., 3rd, Guardino, M., & Wodehawariat, G. (2004). Face-memory and emotion: Associations with major depression in children and adolescents. *Journal of Child Psychology and Psychiatry*, 45, 1199-1208.

Grillon, C., Baas, J.M.P., **Lissek, S.**, Smith, K., & Milstein, J. (2004). Anxious responses to predictable and unpredictable aversive events. *Behavioral Neuroscience*, 118, 916-924.

Baas, J.M.P., Nugent, M., **Lissek, S.**, Pine, D.S., & Grillon, C. (2004). Fear conditioning in virtual reality contexts: A new tool for the study of anxiety. *Biological Psychiatry*, 55, 1056-1060.

Lissek, S. & Powers, A.S. (2003). Sensation seeking and startle modulation by physically threatening images. *Biological Psychology*, 63, 179-97.

Invited Chapters

Lissek S. & Grillon C. (2012). Learning models of PTSD. In J. G. Beck & D. M. Sloan (Eds.), *The Oxford handbook of traumatic stress disorders*. New York: Oxford University Press.

Lissek S. & Berg C. (2020). Learning models of PTSD. In J. G. Beck & D. M. Sloan (Eds.), *The Oxford handbook of traumatic stress disorders*. New York: Oxford University Press.

Publications (not peer reviewed)

van Meurs, B., & **Lissek, S.** (2015). Fear generalization. In I. Milosevic & R. E. McCabe (Eds.), *Phobias: The psychology of irrational fear* (pp. 167-169). Santa Barbara, CA: Greenwood.

van Meurs, B., & **Lissek, S.** (2015). Operant conditioning. In I. Milosevic & R. E. McCabe (Eds.), *Phobias: The psychology of irrational fear* (pp. 247-248). Santa Barbara, CA: Greenwood.

Manscripts Submitted

Hunt, C., Degeneffe, N., Bixby, J., & **Lissek, S.** (submitted). Obsessive compulsive symptoms are associated with avoidance of low probability, high aversion threats: A preliminary test of the improbable catastrophe hypothesis.

Manuscripts in Preparation

Espensen-Sturges, T., Burton, P., Kielbasa, A., Cullen, K., **Lissek, S.** (in prep). Modulation of conditioned fear generalization with D-cycloserine: An fMRI study.

Lissek, S., van Meurs, B., Kaczurkin, A.N. (in prep). Fear-potentiated startle as a robust predictor of anxiety-related decision making.

Lissek, S., McCann, M., and Scmaling, B. (in prep). Beliefs in scientific determinism increase prosocial giving.

Symposia, Conference Papers, and Invited Talks

Berg, H., Cooper, S., & **Lissek, S.** (September, 2019). Generalization of conditioned disgust: Individual differences and comparisons to conditioned fear. In H. Berg and S. Lissek (Co-Chairs), Lab-based acquisition and extinction of conditioned disgust: Novel methods and clinical implications. Symposium presented at the 53rd Annual Convention of the Association for Behavioral and Cognitive Therapies, Atlanta, GA.

Lissek, S. (September, 2019). Pavlovian and instrumental generalization of aversive conditioning as markers of clinical anxiety and affiliated traits. Invited talk given at the Laureate Institute for Brain Research, Tulsa, OK.

Lissek, S. (May, 2019). Distress endurance and distraction/suppression diminish the extent to which generalized conditioned fear is accompanied by maladaptive avoidance decisions. In T. Smeets and M. Engelhard (Co-Chairs), Novel insights into the learning mechanisms of generalized avoidance behavior. Symposium presented at the Annual Conference of the Association for Psychological Science, Washington, DC.

Lissek, S. (March, 2019). Maladaptive decisions motivated by conditioned fear generalization. In C. Hunt and S. Lissek (Co-Chairs), Toward understanding avoidance in clinical anxiety: The value of experimental choice paradigms. Symposium presented at the Annual Conference of the Anxiety and Depression Association of America, Chicago, IL.

Lissek, S., Cooper, S., Hunt, C., Hartnell, M. (May, 2018). Maladaptive behavioral consequences of conditioned fear-generalization: A pronounced, yet sparsely studied, feature of anxiety pathology. In A. Meulders (Chair), Avoidance behavior in anxiety and pain disorders. Symposium presented at the Annual Meeting of the Association for Psychological Science, San Francisco, CA.

Lissek, S. (March, 2018). Maladaptive decisions motivated by conditioned fear generalization: A pronounced, yet sparsely studied, feature of anxiety pathology. Talk delivered at the Annual Meeting of the Society for Affective Science, Los Angeles, CA.

Shukla, M., Lau, J. Y. F., **Lissek, S.**, Pandey, R., Kumari, V. (December, 2018). Altered affect modulated startle response in individuals with elevated blood pressure: Psychophysiological evidence for emotional dampening. Oral Presentation at the 28th Congress of National Academy of Psychology, New Delhi, India.

Berg, H. E., **Lissek, S.** (April, 2018). Default mode, salience, and central executive network activity during fear generalization in post-traumatic stress disorder. In H. Berg and **S. Lissek** (Co-Chairs), Characterizing the neural substrates of PTSD-related abnormalities in fear reactivity. Symposium presented at the Annual Conference of the Anxiety and Depression Association of America, Washington, DC.

Lissek, S. (September, 2017). Pavlovian and instrumental generalization of aversive conditioning as markers of clinical anxiety and affiliated traits. Invited keynote presented at the 2nd International Summer School on Emotional Learning and Memory in Health and Psychopathology, University of Leuven, Belgium.

Lissek, S., Cooper, S., Hunt, C., Van Meurs, B., Hartnell, M. (April, 2017). Clinically Relevant Pavlovian and Instrumental Dimensions of the Negative-Valence-System Construct of Potential Threat. In J. M. Hettema (Chair), Updates on RDoC Studies of Anxiety and Depression. Symposium presented at the Annual Convention of the Anxiety and Depression Association of America, San Francisco, CA.

Lissek, S., Kaczurkin, T., Burton, P., & Sponheim, S. (May, 2016). Neural substrates of over-generalized conditioned fear in PTSD. In D. J. Holt (Chair), Neural mechanisms of fear generalization abnormalities in neuropsychiatric illness. Symposium presented at the Annual Convention of the Society of Biological Psychiatry, Atlanta, Georgia.

Espensen-Sturges, T., Kielbasa, A., Burton, A., Cullen, K., **Lissek, S.** (March, 2015). The modulation of classically conditioned fear generalization with D-cycloserine: An fMRI study. Oral talk presented at the annual conference of the Cognitive Neuroscience Society, San Francisco, CA.

Kaczurkin, T. and **Lissek, S.** (October, 2015). Over-generalization of classically conditioned fear: A central yet understudied marker of PTSD. In E Mueller & A. Weinberg (Chairs), Potential mechanisms for the development and maintenance of threat sensitivity in anxiety. Symposium presented at the annual conference of the Society for Psychophysiological Research, Seattle, WA.

van Meurs, B. and **Lissek, S.** (May, 2015). Neurocircuitry of generalization of avoidance behavior following Pavlovian conditioning. In M. Craske (Chair), Avoidance learning: From brain areas to the movement of robot limbs. Symposium presented at the 27th APS Annual Convention, May 21-24, 2015 in New York, NY, USA

Lissek, S. (April, 2015). Neural substrates of over-generalization of classically conditioned fear in PTSD. In Y. Neria (Chair), Biomarkers of PTSD: Current status and future directions. Symposium presented at the Annual Convention of the Anxiety and Depression Association of America, Miami, FL.

Cooper, S. E., Grillon, C., and **Lissek, S.** (April, 2015). Levels of safety-learning in a fear-conditioning paradigm differentiate generalized anxiety disorder from panic disorder. In S. Cooper and T. Espensen-Sturges (Chairs), Moving beyond threat responses to unambiguous cues of certain danger for studies investigating fear-related abnormalities in clinical anxiety. Symposium presented at the Annual Convention of the Anxiety and Depression Association of America, Miami, FL.

Espensen-Sturges, T., Kielbasa, A., Burton, P., Cullen, K., and **Lissek, S.** (April, 2015). Modulation of conditioned fear generalization with D-cycloserine: An fMRI study. In S. Cooper and T. Espensen-Sturges (Chairs), Moving beyond threat responses to unambiguous cues of certain danger for studies investigating fear-related abnormalities in clinical anxiety. Symposium presented at the Annual Convention of the Anxiety and Depression Association of America, Miami, FL.

Lissek, S. and van Meurs, B. (November, 2014). Maladaptive behavioral consequences of conditioned fear-generalization: A pronounced, yet sparsely studied, feature of anxiety pathology. In A. Waters (Chair), Fear learning and extinction: Integrating evidence from multiple perspectives to enhance knowledge and treatment outcomes for anxiety disorders: Session II. Symposium presented at the 48th Annual Convention of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.

Kaczurkin, A.N., Burton, P.C., Chazin, S.M., Sponheim, S., and **Lissek, S.** (November, 2014). The contribution of conditioned fear generalization to posttraumatic stress disorder. In A. Waters (Chair), Fear learning and extinction: Integrating evidence from multiple perspectives to enhance knowledge and treatment outcomes for anxiety disorders: Session I. Symposium presented at the 48th Annual Convention of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA.

Lissek, S. (March, 2014). Overgeneralization of classically conditioned fear in PTSD: Behavioral, psychophysiological, and fMRI findings. Oral talk given at the Annual Meeting of the Anxiety and Depression Association of America, Chicago, IL.

Hermans, D., **Lissek, S.**, Schruers, K., Brunfaut, E., Gabriels, L., Bervoets, T., De Rjdt, L. (November, 2013). Fear generalization in the clinic: Retrospective reports from patients suffering from panic and OCD. In D. Hermans (Chair), Fear generalization as a core mechanism in the development of anxiety disorders: Clinical and lab findings. Symposium Presented at the 47th Annual Convention of the Association for Behavioral and Cognitive Therapies, Nashville, TN.

Lissek, S. (September, 2013). Generalization of classically conditioned fear across the anxiety disorders: Psychophysiological and neuroimaging evidence. In S. Sponheim (Chair), Using experimental neurophysiology to better understand psychopathology: Developments in schizophrenia, mood, and anxiety disorders. A symposium presented at the Annual Meeting of the Society for Research in Psychopathology, Oakland, CA.

Kaczurkin, A. N., Burton, P. C., Chazin, S. M., & **Lissek, S. M.** (October, 2013). Generalization of conditioned fear in individuals with posttraumatic stress disorder. In A. Kaczurkin & **S. Lissek** (Chairs), Psychophysiological and neurobiological indices of internalizing psychopathology. Symposium presented at the annual conference of the Society for Psychophysiological Research, Florence, Italy.

Lissek, S. (November, 2012). Generalization of classically conditioned fear: A central yet understudied marker of clinical anxiety. In D. Hermans (Chair), Fear generalization as a crucial mechanism in the development of anxiety disorders: New insights and findings. A symposium presented at the Annual Meeting of the Association for Behavioral and Cognitive Therapies, National Harbor, Maryland.

Lissek, S. (October, 2012). Generalization of classically conditioned fear: A central yet understudied marker of PTSD. In Y. Neria and M. R. Milad (Chairs), Neurobiology of fear: Moving from basic science to clinical research in PTSD. A symposium presented at the Annual Meeting of the International Society for Traumatic Stress Studies, Los Angeles, California.

Lissek, S. (October, 2012). The role of conditioned fear generalization in the anxiety disorders: A move toward studying both Pavlovian and instrumental contributions. In V. Miskovic (Chair), To fear or not to fear: Excitatory and inhibitory conditioning in the laboratory and the clinic. A symposium presented at the Annual Meeting of the Society for Psychophysiological Research, New Orleans, Louisiana.

Kaczurkin, A. N., Stahura, E. I., & **Lissek, S.** (October, 2012). Fear potentiated startle to threat of shock is associated with behavioral avoidance. In U. Vadyanathan and S. Lissek (Co-Chairs), Recent developments in psychopathology research using startle probe methodology. A symposium presented at the Annual Conference of the Society for Psychophysiological Research, New Orleans, Louisiana.

Lissek, S. (June, 2011). Toward an account of clinical anxiety predicated on basic, neurally-mapped mechanisms of Pavlovian fear-learning. Keynote presentation at the 3rd Annual European Human Fear Conditioning Meeting, Affligem, Belgium.

Lissek, S. (May, 2011). Generalization of conditioned fear as a pathogenic marker of Clinical Anxiety. Invited paper presented at the Therapy Resistance in Anxiety Disorders Conference sponsored by the University of Utrecht, the Netherlands.

Lissek, S. (May, 2011). Classical Fear Conditioning in the Anxiety Disorders. Invited colloquium sponsored by the Psychology of Learning and Experimental Psychopathology Unit and given to the Department of Psychology at the University of Leuven, Belgium.

Lissek, S. (March, 2011). Generalization of Pavlovian cue-shock conditioning in the anxiety disorders. In D.S. Pine (Chair), Dimensions of psychopathology: Implications for treatment and research in anxiety disorders. Presented as part of the ADAA Annual Research Symposium delivered at the 31st Annual Conference of the Anxiety Disorders Association of America, New Orleans, LA.

Lissek, S., Bradford, D., Heller, R., Geraci, M., Pine, D.s., & Grillon, C. (March, 2010). Generalization of conditioned fear as a pathogenic marker of PTSD. In A. Neumeister (Chair), Network abnormalities inform clinical symptoms in PTSD. A symposium presented at the 30th Annual Conference of the Anxiety Disorders Association of America, Baltimore, MD.

Lissek, S. (January, 2010). The psychophysiology, neurobiology, and clinical relevance of conditioned fear-generalization. An invited colloquium given at the Sackler Institute for Developmental Psychobiology, Weil Medical College of Cornell University.

Lissek, S. (October 2009). Neural substrates of conditioned fear-generalization: An fMRI investigation. In the Emotion and Affect Nanosymposium. A nanosymposium presented at the 39th Annual Meeting of the Society for Neuroscience, Chicago, Illinois.

Lissek, S. and Grillon C. (October, 2009). Examining the Experimental Psychopathology of Fear-Potentiated Startle through the Interpretive Lens of the “*Strong Situation*”. In S. Lissek (Chair), Toward a unified account of fear-potentiated startle findings in the anxiety disorders and affiliated traits. A symposium presented at the 49th Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany.

Grillon, C., Alvarez, R., & **Lissek, S.** (December, 2009). Distinguishing fear from anxiety; clinical, psychopharmacological and neuroimaging evidence. A symposium presented at the 48th Annual Meeting of the American College of Neuropsychopharmacology, Miami Beach, Florida.

Lissek, S. (August, 2009). Overgeneralization of conditioned fear as a pathogenic marker of panic disorder. In D. Vansteenwegen (Chair), Basic emotional processing in fear and anxiety disorders: A human fear conditioning perspective. A symposium presented at the 2009 International Society for Research on Emotion, Leuven, Belgium.

Lissek, S. (March, 2009). Examining the experimental pathophysiology of anxiety through the interpretive lens of the *strong situation*. An invited talk given at the 2009 GK-Emotions Annual Spring School on Cognition and Emotions—A joint program of the Universities of Wurzburg and Bamberg, Wurzburg, Germany.

Lau, J.Y.F., **Lissek, S.**, Nelson, E., Grillon, C., Goldwin, M., & Pine, D.S. (April, 2009). Studying the neural substrates of fear conditioning in adolescents. In C.S. Monk (Chair), New research directions in the neuroscience of developmental psychopathology. A symposium presented at the 2009 Society for Research in Child Development Biennial Meeting, Denver, Colorado.

Reeb-Sutherland, B.C., Helfinstein, S.M., Vanderwert, R.E., Perez-Edgar, K., Henderson, H., **Lissek, S.**, Grillon, C., Pine, D.S., & Fox, N.A. (April, 2009). Neural correlates of attention among behaviorally inhibited adolescents moderate risk for anxiety. In B.C. Reeb-Sutherland's (Chair) and R.E. Dahl (Discussant), Modulation of temperamental anxiety via caregiving and cognitive mechanisms: Lessons from cross-species research. A symposium presented at the 2009 Society for Research in Child Development Biennial Meeting, Denver, Colorado.

Lissek, S. (December, 2008). Human generalization of classically conditioned fear: A central, yet sparsely studied, conditioning correlate of clinical anxiety. Invited colloquium presented to the Department of Psychology at the University of Michigan, Ann Arbor, Michigan.

Lissek, S., Rabin, S., Biggs, A., Alvarez, B., Cornwell, B., Vythilingam, M., & Grillon, C. (May, 2008). Generalization of conditioned fear as a pathogenic marker of PTSD. In J. Blair (Discussant), The application of translational affective neuroscience to the understanding of anxiety disorders. A symposium presented at the 161st Annual Meeting of the American Psychiatric Association, Washington, DC.

Lissek, S., Rabin, S., Biggs, A., Alvarez, B., Cornwell, B., Vythilingam, M., & Grillon, C. (October, 2007). Generalization of conditioned fear as a pathogenic marker of clinical anxiety. In M. Wessa (Discussant), Stress sensitization and fear learning in posttraumatic stress disorder. A symposium presented at the 47th Annual Meeting of the Society for Psychophysiological Research, Savannah, Georgia.

Lissek, S. (March, 2007). Testing the conditioning model of social anxiety disorder: The central importance of using socially relevant unconditioned stimuli. An oral presentation presented at the 27th Annual Conference of the Anxiety Disorders Association of America, St. Louis, MO.

Lissek, S., Levenson, J., McDowell, D.J., Johnson, L.L., Levine, J., Pine, D.S., & Grillon, C. (October, 2006). Using socially relevant unconditioned stimuli to examine the associative learning components of social anxiety disorder. In B. Cuthbert (Discussant), Clinical applications of conditioned fear: Developmental risk, idiographic reactivity, and stress resilience. A symposium presented at the 46th Annual Meeting of the Society for Psychophysiological Research, Vancouver, Canada.

Lissek, S., Dvir, S., Baas, J.M.P., McDowell, D.J., Johnson, L.L., Pine, D.S., Shaywitz, J.E., & Grillon, C. (November, 2005). Pathological anxiety is associated with sustained anxiety to an unpredictably stressful context but not with phasic fear reactions to an explicit threat cue. In P. Lang (Discussant), The psychophysiology of fear and anxiety: Same or different? Hyper- or hypo-reactivity? A symposium presented at the 39th Annual Convention of the Association for Advancement of Behavior Therapy, Washington, DC.

Lissek S., Baas, J.M., Pine, D., Orme, K., Dvir, S., & Grillon, C. (September, 2005). Sensation seeking and resilient responding to physical threat. Oral presentation delivered at the NIMH-IRP 8th Annual Scientific Retreat, Gettysburg, PA.

Grillon, C, Baas, J.M., & **Lissek, S.** (September 2005). Experimental model of fear and anxiety using threat of predictable and unpredictable danger. In M.M. Bradley and A.O. Hamm (Chairs), Cued fear and anticipatory anxiety: Mechanisms and clinical applications. A symposium presented at the 45th Annual Meeting of the Society for Psychophysiological Research, Lisbon, Portugal.

Lissek S., Baas, J.M., Pine, D., Orme, K., Dvir, S., & Grillon, C. (August, 2005). The moderating influence of sensation seeking on fear-potentiated startle. An invited talk presented to the Department of Psychonomics at Utrecht University, Utrecht, The Netherlands.

Lissek, S., Baas, J.M., Pine, D., Orme, K., Dvir, S., Rosenberger, E., & Grillon, C. (October, 2004). Sensation seeking and the aversive motivational system. In B. Cuthbert (Chair), Not all are equal in the eyes of affectively modulated startle. A symposium presented at the 44th Annual Meeting of the Society for Psychophysiological Research, Santa Fe, New Mexico.

Poster Presentations

Webler, R., Burton, P., Berg, H., Fhong, K., Tuominen, L., Holt, D., Morey, R., Lange, I., Fullana, M., Radua, Q., **Lissek, S.** (2020, May). The Neurobiology of Human Fear Generalization: A Meta-Analysis of fMRI Studies in Healthy Participants. Poster to be presented at the Society of Biological Psychiatry Annual Meeting, New York, NY. (Cancelled due to COVID-19)

Anderson, L.M., Cooper, S.E., Haynos, A., Peterson, C.B., Crow, S.J., **Lissek, S.**, & Berg, K.C. (August, 2019). From Little Albert to eating disorders: A preliminary test of fear generalization in anorexia nervosa. Poster presented at the Eating Disorders Research Society, Chicago, IL.

Ross, J., Berg, H., Cooper, S., & **Lissek, S.** (2019, March). Effects of maladaptive avoidance on subsequent generalized conditioned fear. Poster to be presented at the Anxiety and Depression Association of America, Chicago, IL.

Nelson, K., Hammell, A., **Lissek, S.** (February, 2019). The influence of negative affect on altruism in the face of danger. Poster presented at the Society for Personality and Social Psychology, Portland, OR.

Wilkerson, S., Berg, H., Cooper, S., **Lissek, S.** (2019, March). Executive functioning and the transfer of fearful reactivity to maladaptive avoidance. Poster to be presented at the 39th Annual Convention of the Anxiety & Depression Association of America (ADAA), Chicago, IL.

Luedtke, D., Hunt, C., Marquardt, C., Cooper, S., & **Lissek, S.** (2019, February). Reduced working memory partially mediates the relationship between neuroticism and conditioned fear generalization. 2019 Society for Personality and Social Psychology Annual Convention, Portland, OR.

Hunt, C., Degeneffe, N., Bixby, J., Fleig, R., **Lissek, S.** (April, 2018). OCD is associated with increased fear-motivated avoidance of low probability, high intensity threats: Evidence from a college sample. Presented at the annual meeting of the Anxiety and Depression Association of America, Washington, D.C.

Charles, E., Thomson, A., Hunt, C., Cooper, S.C., **Lissek, S.** (April, 2018). Generalized avoidance is associated with facet level but not trait level neuroticism. Poster presented at the annual meeting of the Anxiety and Depression Association of America, Washington, D.C.

Fleig, R., Degeneffe, N., Bixby, J., Hunt, C., & **Lissek, S.** (April, 2018). The effect of increased threat intensity on the generalization of anxiety, threat expectancy, and avoidance. Poster presented at the annual meeting of the Anxiety and Depression Association of America, Washington, D.C.

Berg, H., Hanzsek-Brill, K., **Lissek, S.** (2018, October). Generalization of behavioral and physiological responses to conditioned disgust. Poster to be presented at the 58th Annual Meeting of the Society for Psychophysiological Research, Quebec City, QC, Canada.

Hammell, A., Helwig, N., Kaczurkin, A., & **Lissek, S.** (2018, April). Temporal dynamics of fear generalization in PTSD across learning trials: A nonparametric exploratory model. Poster presented at the 2018 conference for the Anxiety and Depression Association of America, Washington, DC.

Matsumoto, C., Gold, A. L., Steuber, E.R., **Lissek, S.**, Abend, R., Michalska, K., Atlas, L.Y., Leibenluft, E., & Pine, D.S. (2017, October). A Psychophysiology Study of Heat Pain Conditioning and Instrumental Avoidance in Anxious and Healthy Children. Poster to be presented at the American Academy of Child and Adolescent Psychiatry, 64th Annual Meeting, Washington, DC.

Berg, H. E., Cooper, S. E., & **Lissek, S.** (2017, November). Trait fear, trait anxiety, and risk overestimation during threat of physical danger. Poster to be presented at the Association for Behavioral and Cognitive Therapies 51st Annual Convention, San Diego, CA.

Manbeck, A.B., Cooper, S.E., Jones, S.R., Dorow, A., & **Lissek, S.** (April, 2017). Reversal of fear conditioning leads to over-generalization of the conditioned fear response. Poster accepted for presentation at the annual meeting of the Anxiety and Depression Association of America. San Francisco, CA.

Hunt, C., Cooper, S.E., Hartnell, M.P., **Lissek, S.** (April, 2017). MEAQ Distraction/suppression and distress endurance buffer against the transfer of Pavlovian fear to behavioral avoidance for different degrees of danger cue similarity. To be presented at the annual meeting of the Anxiety and Depression Association of America. San Francisco, CA.

Cooper, S.E., Hunt, C., & **Lissek, S.** (April, 2017). Social anxiety disorder patients display threat overestimation and poorer fear discrimination on a non-socially relevant fear-conditioning task. Poster accepted for presentation at the annual meeting of the Anxiety and Depression Association of America. San Francisco, CA.

Hartnell, M.P., Hunt, C., Richardson, J.J., Cooper, S. E., **Lissek, S.** (April, 2017). Increased desires to win and decreased perceived importance of avoiding painful stimulation account for reduced behavioral avoidance of threat in men during a game-based fear conditioning paradigm. Poster to be presented at the annual meeting of the Anxiety and Depression Association of America. San Francisco, CA.

Ruedinger, B., Swain, Y., Parchem, B., & **Lissek, S.** (Jan, 2017). Empathy and anxiety predict prosocial donation in dangerous situations. Poster presented at the 18th Annual Meeting of the Society for Personality and Social Psychology, San Antonio, Texas

Degeneffe, N.C., Hunt, C., Hartnell, M.P., Cooper, S.E., & **Lissek, S.** (Jan, 2017). Auditory startle habituation is associated with normative and pathological externalizing-related personality traits. Poster presented at the Society of Personality and Social Psychology, San Antonio, Texas.

Lange, I.M.J., Goossens, L., Michielse, S., Bakker, J., **Lissek, S.**, van Amelsvoort, T., & Schruers, K. (May, 2016). The neural mechanisms of fear generalization in phobic and subclinical anxiety symptomatology. Poster presented at the Annual Convention of the Society of Biological Psychiatry, Atlanta, Georgia.

Gaffney, J.S., Cooper, S.E., Hartnell, M.P., Krueger, R.F., **Lissek, S.** (September, 2016). Incremental influence of empathetic dissonance on oppositional personality traits. Poster to be presented at the annual meeting of the Society for Research in Psychopathology. Baltimore, MD.

Hunt, C., Cooper, S. E., Hartnell, M. P., Gaffney, J. S., **Lissek, S.** (September, 2016). Intolerance of uncertainty facilitates the conversion of generalized Pavlovian fear into maladaptive avoidance. Poster submitted to be presented at the annual meeting of the Society for Research in Psychopathology. Baltimore, MD.

Hunt, C., Cooper, S. E., Hartnell, M. P., Gaffney, J. S., **Lissek, S.** (September, 2016). Anxiety sensitivity moderates the extent to which generalization of Pavlovian fear leads to maladaptive instrumental avoidance. Poster submitted to be presented at the annual meeting of the Society for Psychophysiological Research. Minneapolis, MN.

Manbeck, A. M., Cooper, S. E., Van Meurs, B., Sponheim, S. R., **Lissek, S.** (September, 2016). Overgeneralization of conditioned fear is a pathogenic marker of PTSD after controlling for effects of dysphoria. Poster presented at the annual meeting of the Society for Psychophysiological Research. Minneapolis, MN.

Wright, L. T. A., Jefferson, M. R., Degeneffe, N. C., Hartnell, M. P., Cooper, S. E., **Lissek, S.** (September, 2016). High trait fear is associated with over-generalization and impaired inhibition of classically conditioned fear. Poster submitted presented at the annual meeting of the Society for Psychophysiological Research. Minneapolis, MN.

Cooper, S.E., Van Meurs, B., **Lissek, S.** (October, 2015). A psychophysiological investigation of overgeneralization of conditioned fear in combat veterans with and without PTSD. Poster presented at the Annual Convention of the Society for Research in Psychopathology, New Orleans, LA, Canada.

Lange, I., Goossens, L., **Lissek, S.**, van Amelsvoort, T., Schruers, K. (May, 2015). Low behavioral pattern separation can be linked to reduced dentate gyrus activation during fear generalization. Poster presented at the Annual Convention of the Society for Biological Psychiatry, Toronto, Canada.

Espensen-Sturges, T., Kielbasa, A., Burton, P., Cullen, K., **Lissek, S.** (March, 2015). Modulation of fear generalization with D-cycloserine: An fMRI study. Poster to be presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Kaczurkin, A.N., Burton, P. Chazin, S., Sponheim, S., & **Lissek, S.** (September, 2014). Skin Conductance responses during fear conditioning in current vs. past PTSD patients. Poster presented at the Annual Meeting of the Society for Psychophysiological Research, Atlanta, GA.

Cooper, S. E., Grillon, C., & **Lissek, S.** (2014, September). Levels of safety-learning in a fear-conditioning paradigm differentiate generalized anxiety disorder from panic disorder. Poster presented at the annual meeting of the Society for Research in Psychopathology. Evanston, IL.

Duits, P., **Lissek, S.**, Cath, D.C., Hox, J.J., Hamm, A. O., Engelhard, I.M., van den Hout, M.A. & Baas, J.M.P (Oct, 2014). An updated meta-analysis of classical fear conditioning in the anxiety disorders. Poster presented at the Annual Meeting of the European College of Neuropsychopharmacology, Berlin, Germany.

Duits, P., Baas, J.M.P., **Lissek, S.**, Hox, J.J., Hamm, A. O., Engelhard, I.M., van den Hout, M.A. & Cath, D.C. (Dec, 2014). An updated meta-analysis of classical fear conditioning in the anxiety disorders. Poster presented at the Annual European Meeting on Human Fear conditioning, Affligem, Belgium.

Kaczurkin, A.N., Burton, P. Chazin, S., & **Lissek, S.** (September, 2013). Posttraumatic stress

disorder is associated with overgeneralization of conditioned fear. Poster presented at the Annual Meeting of the Society for Psychophysiological Research, New Orleans, LA.

van Meurs, B., Wicker, I., Wiggert, N., McCann, M., **Lissek S.**, (September, 2012). Moving from classical to instrumental generalization of conditioned fear. Poster presentation at the Annual Meeting of the Society for Psychophysiological Research, New Orleans.

Kaczurkin, A. N., Stahura, E. I., & **Lissek, S.** (September, 2012). Fear-potentiated startle associated with behavioral avoidance in a fear conditioning paradigm. Poster session presented at the Annual Meeting of the Society for Psychophysiological Research, New Orleans, Louisiana.

Dunning, J.P., **Lissek, S.**, Gromatsky, M., & Hajcak, G. (September, 2011) Gradients of fear-potentiated startle during generalization, extinction, and extinction recall. Poster presented at the 51st Annual Meeting of the Society for Psychophysiological Research, Boston, MA

Kaczurkin, A. & **Lissek, S.** (September, 2011). Generalization of conditioned fear and obsessive-compulsive disorder. Poster presented at the 51st Annual Meeting of the Society for Psychophysiological Research, Boston, MA

Britton, J.C., Norcross, M.A., Szuhany, K.L., **Lissek, S.**, Grillon, C., Pine, D.S. (2011). Neural dysfunction when appraising threat during extinction recall: Effects of anxiety and development. Poster presented at the 50th Annual Meeting of the American College of Neuropsychopharmacology, Miami, FL.

Szuhany, K.L., Norcross, M.A., Geraci, M., **Lissek, S.**, Grillon, C., Pine, D.S., Britton, J.C. (2011). Physiological and subjective responses during fear conditioning of anxious and healthy adults. A poster to be presented at the 31st Annual Conference of the Anxiety Disorders Association of America, New Orleans, LA.

Britton, J.C., Norcross, M.A., Szuhany, K.L., **Lissek, S.**, Grillon, C., & Pine, D.S. (2010). Neural correlates of extinction recall: Effects of development. Poster presented at the 49th Annual Meeting of the American College of Neuropsychopharmacology, Miami, FL.

Lau, J.Y.F., Pritchett, D., Haddad, A., & **Lissek, S.** (March, 2010). Fear conditioning abnormalities in anxiety: The role of stimulus generalisation and inhibitory control. Poster presented at the 30th Annual Conference of the Anxiety Disorders Association of America, Baltimore, MD.

Britton, J.C., Norcross, M., **Lissek, S.**, Grillon, C., Ernst, M., & Pine, D.S. (December, 2009). Ventromedial prefrontal cortical activation indicative of subjective fear during extinction recall in adolescents. A poster to be presented at the 48th Annual Meeting of the American College of Neuropsychopharmacology, Miami Beach, Florida.

Geraci M., Luckenbaugh, D.A., Blair, K, Bradford, Vythilingam, M., **Lissek, S.**, Grillon, C., Blair, J., Pine, D.S. (May, 2009) Evaluating childhood experiences as potential risk for adult anxiety disorders: PD, GAD and GSP. Poster presented at the 64th Annual Scientific Convention & Meeting of the Society of Biological Psychiatry, Vancouver, Canada.

Lissek, S., Levenson, J., McDowell, D.J., Johnson, L.L., Pine, D.S., & Grillon, C. (December, 2007). Using socially relevant unconditioned stimuli to assess the conditioning correlates of social anxiety disorder. Poster presented at the 46th Annual Meeting of the American College of Neuropsychopharmacology, Boca Raton, FL.

Nelson, E.E., Lau, J., **Lissek, S.**, Grillon, C., Ernst, M., & Pine, D.S. (June, 2007). Classical fear-conditioning in adults and adolescents: Does the ability to detect safety develop? Poster presented at the 13th Annual Meeting of Human Brain Mapping, Chicago, Illinois.

Lissek, S., Levenson, J., Mcdowell, D.J., Johnson, L.L., Pine, D.S., & Grillon, C. (March, 2007). Social anxiety disorder is associated with elevated fear-conditioning to socially relevant unconditioned stimuli. Poster presented at the 27th Annual Conference of the Anxiety Disorders Association of America, St. Louis, MO.

Alvarez, R.P., **Lissek, S.**, Biggs, A., Kopperman, L., & Grillon, C. (April, 2006). Brain activity associated with contextual fear during threat of shock. Poster presented at the 13th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Alvarez, R.P., **Lissek, S.**, Biggs, A., & Grillon, C. (June, 2006). Contextual control over fear (or the lack of) during verbal threat. Poster presented at the 12th Annual Meeting of The Organization for Human Brain Mapping, Florence, Italy.

Lissek, S., Levenson, J., Mcdowell, D.J., Johnson, L.L., Levine, J., Pine, D.S., & Grillon, C. (May, 2006). Using socially relevant conditioned and unconditioned stimuli to examine the associative learning components of social anxiety disorder. Poster presented at the 60th Annual Convention of the Society for Biological Psychiatry, Toronto, Canada.

Lissek, S., Mcdowell, D.J., Baas, J.M.P., Cornwell, B.R., Pine, D.S., & Grillon, C. (May, 2006). The ability to regulate emotionally-potentiated startle to unpleasant pictures is moderated by levels of state and trait anxiety. Poster presented at the 60th Annual Convention of the Society for Biological Psychiatry, Toronto, Canada.

Lissek, S., Alvarez, R., Biggs, A., Levenson, J., McDowell, D.J., Baas, J.M.P., Pine, D.S. & Grillon, C. (April, 2006). Neurobiological correlates of fear onset and offset: An fMRI study. Poster presented at the Cognitive Neuroscience Society Annual Meeting, 2006, San Francisco, California.

Lissek, S., Alvarez, R., Baas, J.M., Levenson, J., McDowell, D., Biggs, A., Pine, D.S., & Grillon, C. (September, 2005). Neurobiological correlates of fear onset and offset: An fMRI study. Poster presented at the 9th Annual NIMH-IRP Scientific Retreat, Gettysburg, Pennsylvania.

Grillon, C., Baas, J.M.P., Pine, D.S., **Lissek, S.**, Lawley, M., Ellis, V., & Levine, J. (May, 2005). The benzodiazepine alprazolam dissociates contextual fear from cued fear in humans as assessed by fear-potentiated startle. Poster presented at the 60th Annual Convention of the Society for Biological Psychiatry, Atlanta, Georgia.

Lissek, S., Dvir, S., Baas, J.M.P., Mcdowell, D., Pine, D.S., Shaywitz, J., & Grillon, C. (May, 2005). Trait anxiety and retention of aversive conditioning. Poster presented at the 60th Annual Convention of the Society for Biological Psychiatry, Atlanta, Georgia.

Lissek, S., Dvir, S., Baas, J.M.P., Mcdowell, D.J., Johnson, L.L., Pine, D.S., Shaywitz, J.E., & Grillon, C. (May, 2005). Pathological anxiety is associated with sustained anxiety to an unpredictably stressful context but not with phasic fear reactions to an explicit threat cue. Poster presented at the 60th Annual Convention of the Society for Biological Psychiatry, Atlanta, Georgia.

Lissek, S., Baas, J.M.P., Pine, D.S., Orme, K., Dvir, S., Nugent, M., Rosenberger, E., Rawson, E., & Grillon, C. (October, 2004). Airpuff startle probes: An efficacious and less alternative to white-noise. A poster presented at the the Annual Meeting of the Society for Psychophysiological Research, Santa Fe, New Mexico.

Lissek, S., Orme, K., & Grillon, C. (October, 2004). Effects of emotional regulation on startle potentiation to the threat of electric shocks. A poster presented at the the 44th Annual Meeting of the Society for Psychophysiological Research, Santa Fe, New Mexico.

Baas, J.M.P., Grillon, C., Pine, D.S., **Lissek, S.,** Nugent, M., Drevets, W., & Furey, M. (June, 2004). Prefrontal cortex activation during phasic fear and sustained anxiety to predictable (signaled) and unpredictable (non-signaled) shock. Poster presented at the 10th Annual Meeting of the Organization for Human Brain Mapping, Budapest, Hungary.

Lissek, S., Powers, A.S., Phelps, E.A., Grillon, C., Woldehawariat, G., McClure, E.B., & Pine, D.S. (April, 2004). Classical fear-conditioning in the anxiety disorders: A meta-analysis. Poster presented at the 59th Annual Convention of the Society for Biological Psychiatry, New York City, New York.

Baas, J.M.P., Nugent, M.S., **Lissek, S.,** & Grillon, C. (October, 2003). Context conditioning in a virtual reality environment potentiates startle. An oral presentation given at the 43th Annual Meeting of the Society for Psychophysiological Research, Chicago, Illinois.

Lissek, S., & Powers, A. S. (July, 1999). Sensation seeking as a moderator of the acoustic startle blink. Poster presented at the 9th Biennial Meeting of the International Society for the Study of Individual Differences, Vancouver, British Columbia, Canada.

Teaching Experience

University Courses

- 1/2012 – Present University Instructor, University of Minnesota, Department of Psychology, Minneapolis, MN
Teach undergraduate and graduate-level courses including: 1) “Brain and Emotion”, a graduate level course drawing on animal and human research to explain emotions, cognitions, and behaviors in neurobiological terms; 2) “Introduction to Abnormal Psychology”, an undergraduate course surveying descriptive psychopathology; and 3) “Neuroscience, Philosophy and Ethics”, a graduate level seminar covering both neurophilosophy and the intersection of neuroscience and society.
- 9/1999 – 6/2001 University Teaching Fellow, St. John’s University, Department of Psychology, Queens, NY (Supervisor: Elizabeth Brondolo, Ph.D.)
Assisted with course preparation, grading, and instruction for undergraduate level course in research design and methods.
- 9/1998 - 6/2000 University Teaching Associate, New York University, School of Education, New York, NY (Supervisor: Sharon L. Weinberg, Ph.D.)
Instructor for graduate level, introductory statistics course on descriptive and inferential statistics.

Didactic Seminars

- 8/2008 Invited Lecture, 2008 Summer Intern Lecture Series, National Institute of Mental Health, Bethesda, MD. Lecture entitled, “Generalization of conditioned fear as a pathogenic marker of clinical anxiety.”
- 8/2004 – 8/2010 Participating Mentor, Undergraduate Scholarship Program, National Institutes of Health, Bethesda, MD
Deliver biannual seminars on the psychophysiology of anxiety and its disorders to introduce incoming NIH fellows to research opportunities in this area.
- 7/2007 Invited Lecture, 2007 Summer Intern Lecture Series, National Institute of Mental Health, Bethesda, MD. Lecture entitled, “Testing the conditioning model of social anxiety disorder: The central importance of using socially relevant unconditioned stimuli.”
- 7/2006 Invited Lecture, 2006 Summer Intern Lecture Series, National Institute of Mental Health, Bethesda, MD. Lecture entitled, “Fear-conditioning in the anxiety disorders.”
- 8/2005 Invited Talk, Department of Psychonomics, Utrecht University, Utrecht, The Netherlands. Lecture entitled, “The moderating influence of sensation seeking on fear-potentiated startle.”
- 3/2003 Invited Lecture, Mood and Anxiety Disorders for Beginners, National Institute of Mental Health, Bethesda, MD. Lecture entitled, “Introduction to psychophysiology.”
- 12/2001 Guest Lecture, Experimental Psychology of Learning (undergraduate course), St. John’s University, Department of Psychology, Queens, NY. Lecture entitled, “Neural substrates of classical fear-conditioning.”
-

Clinical Experience

- 7/2001-7/2002 APA Approved Clinical Internship, Department of Psychiatry, Interfaith Medical Center, Brooklyn, NY
Served as a psychotherapist, psychological tester, and consultant in a variety of treatment settings including outpatient and inpatient units, a 28 day drug rehabilitation program, and a day treatment program for patients dually diagnosed with mental illness and substance abuse (MICA). Interventions drew from cognitive-behavioral, psychodynamic, and humanistic techniques and theoretical principles.
- 9/2000 - 8/2001 Externship in Intervention and Assessment of Clinical Anxiety, Anxiety and Phobia Clinic, Long Island Jewish Medical Center – Hillside Hospital, Queens, NY
Provided psychotherapeutic and assessment services to adult outpatients with anxiety and mood disorders including posttraumatic stress disorder, major depressive disorder, panic disorder, social anxiety disorder, and generalized anxiety disorder. Attended bi-weekly individual supervision and monthly case conferences and didactic seminars.
- 9/1999 - 7/2000 Externship in Adolescent Psychotherapy and Psychological Assessment, Bronx Children’s Psychiatric Center, Bronx, NY

Delivered individual psychotherapy three times per week to adolescent psychiatric inpatients. Responsible for all aspects of patients' case management. Presented case material in bi-weekly individual and group supervision. Additionally, conducted intellectual and personality testing with child inpatients aged 8-11, received assessment supervision, integrated test results, and wrote psychological reports.

1997 - 2001

Psychotherapist and Psychological Tester, John's University Center for Psychological Services, Jamaica, NY

Functioned as a psychotherapist and psychological tester in an outpatient clinic servicing an ethnically diverse population. Provided cognitive behavioral, psychodynamic, and family-systems psychotherapy to children and their parents. Conducted intake interviews, wrote intake and termination reports, and determined clinical diagnoses. Administered and interpreted psychological test batteries and provided feedback to clients. Received weekly individual and group supervision.

1996 - 1997

Group Therapy Facilitator

Columbia University – New York State Psychiatric Institute, New York, NY
Facilitated a manualized, cognitive behavioral group intervention for mixed HIV status, gay male couples. The intervention consisted of a series of eight workshops designed to reduce the couples' distress and improve their communication skills.