

## JACK B. NITSCHKE

### ADDRESS

Associate Professor	Email:	jnitschke@wisc.edu
Departments of Psychiatry & Psychology	Phone:	608-263-6083
Wisconsin Psychiatric Institute and Clinics	Fax:	608-263-0265
University of Wisconsin		
6001 Research Park Boulevard		
Madison, WI 53719		

### EDUCATION

University of Illinois, Champaign, IL	<i>July, 1998</i>
Degree: Ph.D. in Clinical Psychology	
Title: Differentiating Types of Anxiety, Depression, and their Co-occurrence: Regional Brain Activity and Life Stress	
University of Illinois, Champaign, IL	<i>October, 1994</i>
Degree: M.A. in Clinical Psychology	
Title: Moderating Effects of Extraversion on EEG Activity in Anxiety	
University of Pennsylvania, Philadelphia, PA	<i>May, 1989</i>
Degree: B.A., Magna Cum Laude in Psychology (Minor: Non-Western History)	

### AWARDS AND HONORS

Promotion to Associate Professor with tenure, 2010  
NIMH K02 Research Career Award, 2008  
NARSAD Young Investigator Award, 2005  
NIMH K08 Research Career Award, 2002  
HealthEmotions Research Institute Fellowship, 2002  
Selected for the 2001 Positive Psychology Summer Training Institute  
Positive Psychology Summer Training Institute Research Award, 2000  
Postdoctoral Trainee, NIMH Training Program in Emotion Research, 1998-2001  
UIUC Herman Eisen Memorial Award for Outstanding Professional Contributions, 1998  
UIUC Graduate College Dissertation Completion Fellowship, 1997-1998  
UIUC University Fellowship, 1997-1998 (declined)  
APA/Psi Chi Edwin B. Newman Graduate Research Award, 1997  
Selected as Department of Psychology representative for University Fellowship funding, 1997  
UIUC List of Teachers Ranked as Excellent by Their Students, Spring 1997  
Predoctoral Trainee, NIMH Quantitative Training Program, 1993-1996  
Honors Society of Phi Kappa Phi, 1996  
UIUC Ed Scheiderer Memorial Award for Outstanding Research or Scholarship, 1994  
UIUC Graduate College Thesis/Project Grant, 1994

**RESEARCH SUPPORT**Current

NIH/NIMH R01 (PI: Koenigs, Michael) 12/1/13-11/30/18  
 Prefrontal Control of Negative Affect: A Novel Human \$1,250,000 (total direct costs)  
 Lesion/fMRI Approach  
 Role: Co-Investigator

Pending

NIH/NIMH R01 (PI: Cisler, Josh) 3/1/18-2/28/23  
 The Neurocircuitry of Exposure Therapy among Women \$1,980,000 (total direct costs)  
 with PTSD  
 Role: Co-Investigator

Completed

NIH/NIMH K02 Research Career Award 8/1/2008 - 9/30/2013  
 Brain Mechanisms of Anticipatory Processing \$430,783 (total direct costs)  
 in Anxiety Disorders 75% salary only  
 (2-month no cost extension covering salary)  
 Role: Principal Investigator

NIH/NIMH R01 7/20/2005 - 6/30/2010  
 Neuroanatomy of Anticipation in Anxiety Disorders \$1,062,500 (total direct costs)  
 Role: Principal Investigator

NIH/NIMH K08 Research Career Award 9/1/2002 - 8/31/2008  
 Functional Neuroimaging of Anxiety and Fear \$539,058 (total direct costs)  
 (1-year no cost extension covering research expenses) includes 80% of salary  
 Role: Principal Investigator

Ira and Ineva Reilly Baldwin Wisconsin Idea Endowment 7/1/2012 - 6/30/2015  
 Complementary and Alternative Interventions for \$120,000 (total direct costs)  
 Veterans with PTSD  
 Role: Principal Investigator (with Dr. Richard Davidson)

Mental Insight Foundation 1/1/2013-12/31/2015  
 Evaluating Integrative Treatments for Veterans with PTSD \$50,000 (total direct costs)  
 Using State-of-the-Art Brain Imaging  
 Role: Principal Investigator (with Dr. Richard Davidson)

Dana Foundation 7/1/2009 - 6/30/2012  
 Pathophysiological Mechanisms of PTSD in Soldiers \$200,000 (total direct costs)  
 Returning from Afghanistan and Iraq: Neuroimaging and Treatment  
 Role: Principal Investigator

NARSAD Young Investigator Award Functional Neuroanatomy of Anticipation Abnormalities in Social Anxiety Disorder Role: Principal Investigator	7/1/2005 - 6/30/2008 \$60,000 (total direct costs)
UW Institute for Clinical and Translational Research Complementary & Alternative Interventions for Veterans with PTSD: Community Program Evaluation Study Role: Principal Investigator	4/1/2012 - 3/31/2013 \$50,000 (total direct costs)
UW Institute for Clinical and Translational Research Neuroimaging and Treatment of PTSD in Soldiers Returning from Afghanistan or Iraq Role: Principal Investigator	9/1/2009 - 12/31/2010 \$50,000 (total direct costs)
UW Graduate College Neuroanatomy of PTSD in Soldiers Returning from Iraq and Afghanistan: Brain Imaging and Treatment Role: Principal Investigator	7/1/2010 - 6/30/2011 \$38,240 (total direct costs)
UW School of Medicine and Public Health Neuroanatomy of Anticipation in Anxiety Disorders Role: Principal Investigator	7/1/2009 - 6/30/2010 \$25,684 (total direct costs)
NIH/NIMH RC1 Challenge Grant (PI: Meyerand, Elizabeth) Validating Resting State fMRI Derived Brain Connectivity Role: Consultant	9/30/2009 - 8/31/2011 \$746,801 (total direct costs)
Fetzer Institute Brain Circuitry of Altruistic Love Role: Principal Investigator	6/1/2002 - 12/31/2004 \$100,000 (total direct costs)
NIH/NIMH F32 (PI: Oathes, Desmond) Temporal Dynamics of Emotional Processing in Anxiety Role: Sponsor (terminated 12/2009 due to relocation for family reasons)	7/01/2009 - 6/30/2011 \$108,214 (total direct costs)
NIH/NIAMS R01 (PI: Cook, Dane) Imaging the Cognitive Modulation of Pain in Fibromyalgia Role: Co-Investigator	9/16/2005 - 6/30/2010 \$940,500 (total direct costs)
NIH/NICHD R03 (PI: Abbeduto, Len) Maternal Emotional Well-Being and Fragile X Syndrome Role: Consultant	7/1/2005 - 6/30/2007 \$100,000 (total direct costs)
HealthEmotions Research Institute Fellowship, 2002-2003 Positive Psychology Summer Training Institute Research Award, 2000 Postdoctoral Trainee, NIMH Training Program in Emotion Research, 1998-2001 UIUC Graduate College Dissertation Completion Fellowship, 1997-1998	

UIUC University Fellowship, 1997-1998 (declined)  
 Predoctoral Trainee, NIMH Quantitative Training Program, 1993-1996  
 UIUC Graduate College Thesis/Project Grant, 1994

## RESEARCH AND PROFESSIONAL EXPERIENCE

- 2010-present Associate Professor, Department of Psychiatry, University of Wisconsin-Madison
- 2010-present Associate Professor, Department of Psychology, University of Wisconsin-Madison
- 2003-2010 Assistant Professor, Department of Psychiatry, University of Wisconsin-Madison
- 2003-2010 Assistant Professor, Department of Psychology, University of Wisconsin-Madison
- 2003-2013 Core Faculty on NIMH T32 Training Grant, *Training Program in Emotion Research*, PI: Richard J. Davidson, Ph.D.
- 2002-2003 Assistant Scientist, Waisman Center, University of Wisconsin-Madison
- 2001-2002 Assistant Scientist, Department of Psychology, University of Wisconsin-Madison
- 1999-2003 Postdoctoral Clinician, Department of Psychiatry, University of Wisconsin Psychiatric Institute & Clinics, University of Wisconsin-Madison
- 1998-2001 Postdoctoral Fellow, Department of Psychology, University of Wisconsin-Madison
- Advisor: Richard J. Davidson, Ph.D.
- 1995-1998 Dissertation Research. Brain activity and life stress in anxiety and depression. 1) Psychometric study distinguished specific types of depression and anxiety in 783 undergraduates. 2) EEG study compared patterns of regional brain activity at rest in anhedonic depression, anxious arousal, and anxious apprehension. Diathesis-stress formulation tested via examination of interactions with life stress.
- Advisors: Wendy Heller, Ph.D., Gregory A. Miller, Ph.D.
- 1995-1998 Project Coordinator/Graduate Student Research Assistant. Brain-behavior relations in depression and anxiety. NIMH-funded project examined EEG at rest and during emotional narratives, neuropsychological task performance, and cognitive function in a 5-group design comparing different types of depression and anxiety.

Principal Investigators: Wendy Heller, Ph.D., Gregory A. Miller, Ph.D.

1997-1998 Graduate Student Research Assistant. Brain activity and Stroop performance. Functional MRI study conducted to localize brain regions activated during performance of a modified Stroop task.

Principal Investigator: Marie T. Banich, Ph.D.

1993-1995 Project Coordinator/Graduate Student Research Assistant. Brain-behavior relations in depression and anxiety. NIMH-funded project examined EEG at rest and during emotional narratives, neuropsychological task performance, and cognitive function for depressed, anxious, comorbid, and control groups.

Principal Investigators: Wendy Heller, Ph.D., Gregory A. Miller, Ph.D.

1993-1995 Graduate Student Research Assistant. Right posterior function and arousal. Study examined the relationship between performance on a face-processing task tapping posterior brain function and dimensions of mood.

Principal Investigator: Wendy Heller, Ph.D.

1993-1994 Master's Thesis Research. Brain activity and extraversion in anxiety. Study examined the moderating effects of extraversion on patterns of brain activity in anxiety.

Advisors: Gregory A. Miller, Ph.D., Wendy Heller, Ph.D.

## TEACHING EXPERIENCE

2003-present Course Instructor. Neurobiology of Psychiatric Disorders and Treatment. Seminar for Clinical Psychology interns and Psychiatry residents. Responsibilities include lectures, leading seminar discussions, course curriculum, syllabus, class slides, and class readings ([http://psychiatry.wisc.edu/courses/Nitschke/2017\\_bio\\_psych\\_class/](http://psychiatry.wisc.edu/courses/Nitschke/2017_bio_psych_class/)). Course content has varied over the years, covering neurobiology (including structural and functional neuroanatomy, neurochemistry, HPA axis) and genetics in the etiology, pathophysiology, and treatment of a wide range of psychopathology, including depression, anxiety, schizophrenia, addictions, eating disorders, psychopathy, and childhood disorders.

2018 Outreach Presenter. The Brain and Child Mental Health. Presentation for parents of elementary school students in McFarland School District.

2018 Guest Lecturer. The Brain and Teenage Mental Health. Presentation for 30+ McFarland School District teachers and administrators.

- 2018            Outreach Presenter. The Brain and Teenage Mental Health. Presentation for parents of middle and high school students in McFarland School District.
- 2017            Guest Lecturer. The Brain and Teenage Mental Health. Presentation for 50+ AP Psychology students from McFarland High School.
- 2017            Guest Lecturer. The Brain and Teenage Mental Health. Presentation for 60+ Psychology students from Madison West High School.
- 2017            Guest Lecturer. Anxiety, Its Disorders, Its Neurobiology, and Its Treatment. Graduate seminar in the Clinical Area Group for the Department of Psychology at University of Wisconsin.
- 2017-present   Guest Lecturer. The Brain and Teenage Mental Health. Presentations for 40+ middle school students at Wingra School.
- 2016-present   Guest Lecturer. Clinical Psychology in Psychiatry Department. Undergraduate seminar entitled “Clinical Psychology” for advanced undergraduates in the Department of Psychology at University of Wisconsin.
- 2016-present   Guest Lecturer. The Brain and Teenage Mental Health. Presentations for 50+ AP Psychology students from Madison East High School.
- 2015-present   Guest Lecturer. The Brain and Teenage Mental Health. Presentations for 100+ AP Psychology students from Middleton High School.
- 
- 2014-present   Guest Lecturer. The Brain and Teenage Mental Health. Presentations for 60+ AP Psychology students from Verona High School.
- 2013-2016      Guest Lecturer. Compassion & Creativity: Treating the Chronic Patient. Clinical Science and Consultation (Psychiatry clinical internship program). Seminar for Clinical Psychology interns and practicum students in Clinical Psychology and Counseling Psychology.
- 
- 2013            Guest Lecturer. Psychopathology in Adolescence: Anxiety, Mood, and the Brain. Talks and tours for field trip at Waisman Center for 110 AP Psychology students from Verona High School, Verona, WI (May 20).
- 2012            Guest Lecturer. Neuroimaging in Anxiety and Depression. Functional Neuroimaging and Clinical Applications (Neurosci 675). Seminar for Neuroscience and Psychology graduate and undergraduate students.
- 2012            Guest Lecturer. Compassion & Creativity: Treating the Chronic Patient. Clinical Science and Consultation (Psychiatry clinical internship

- program). Seminar for Clinical Psychology interns and practicum students in Clinical Psychology and Counseling Psychology.
- 2012 Guest Lecturer. Psychopathology in Adolescence: Anxiety, Mood, and the Brain. AP Psychology class (First – Fourth Hours, May 18). Verona High School, Verona, WI.
- 2011 Guest Lecturer. Anxiety and the Human Brain. Advanced Topics in Neuroscience (Neurosci 500). Seminar for Neurobiology senior undergraduate students.
- 2011 Guest Lecturer. Psychopathology in Adolescence: Anxiety, Mood, and the Brain. AP Psychology class (First – Fourth Hours, May 13). Verona High School, Verona, WI.
- 2010 Guest Lecturer. Neuroimaging in Anxiety and Depression. Functional Neuroimaging and Clinical Applications (Neurosci 675). Seminar for Neuroscience and Psychology graduate and undergraduate students.
- 2010 Guest Lecturer. Anxiety in the Human Brain. Advanced Topics in Neuroscience (Neurosci 500). Seminar for Neurobiology senior undergraduate students.
- 2010 Guest Lecturer. Psychopathology in Adolescence: Anxiety, Mood, and the Brain. AP Psychology class (First – Fourth Hours, May 14). Verona High School, Verona, WI.
- 2010 Guest Lecturer. Treating the Chronic Patient. Clinical Science and Consultation (Psychiatry clinical internship program). Seminar for Clinical Psychology interns and practicum students in Clinical Psychology and Counseling Psychology.
- 2009 Guest Lecturer. Anxiety and the Brain. Clinical Science and Consultation (Psychiatry clinical internship program). Seminar for Clinical Psychology interns and practicum students in Clinical Psychology and Counseling Psychology.
- 2009 Guest Lecturer. Psychopathology in Adolescence: Anxiety, Mood, Eating Disorders, Self-harm Behaviors, and the Brain. AP Psychology class (First – Fourth Hours, May 22). Verona High School, Verona, WI.
- 2009 Guest Lecturer. Mental Disorders and Adolescence. AP Psychology and Adolescent Psychology classes (First –Third Hours, January 12). Verona High School, Verona, WI.
- 2008 Guest Lecturer. Neuroimaging in Anxiety and Depression. Functional Neuroimaging and Clinical Applications (Neurosci 675). Seminar for Neuroscience and Psychology graduate and undergraduate students.

- 2007 Guest Lecturer. Neuroimaging in Anxiety and Depression. Functional Neuroimaging and Clinical Applications (Neurosci 675). Seminar for Neuroscience and Psychology graduate and undergraduate students.
- 2007 Guest Lecturer. The Power of Expectancy, Anxiety, and the Brain. Seminar for Undergraduate Honors Program in Department of Psychology.
- 2007 Guest Lecturer. Treatment of Chronic Patients. Clinical Science and Consultation (Psychiatry clinical internship program). Seminar for Clinical Psychology interns and practicum students in Clinical Psychology and Counseling Psychology.
- 2007 Guest Lecturer. Systems in psychology's past, present and future. Seminar on History of Psychology for Clinical Psychology graduate students in the Department of Psychology.
- 2006 Guest Lecturer. Neuroimaging in Anxiety and Depression. Neuroimaging of Cognitive Disorders (Neurosci 675). Seminar for Neuroscience and Psychology graduate and undergraduate students.
- 2006 Guest Lecturer. The Power of Expectancy, Anxiety, and the Brain. Clinical Science and Consultation (Psychiatry clinical internship program). Seminar for Clinical Psychology interns and practicum students in Clinical Psychology and Counseling Psychology.
- 2005 Guest Lecturer. Examination for the Practice of Professional Psychology and Applying for Licensure. Clinical Science and Consultation (Psychiatry clinical internship program). Seminar for Clinical Psychology interns and practicum students in Clinical Psychology and Counseling Psychology.
- 2005 Guest Lecturer. Understanding Anxiety and Depression: Turning to the Brain for Answers. Seminar for Undergraduate Honors Program in Department of Psychology.
- 2005 Guest Lecturer. Psychotherapy with Chronic Patients. Clinical Science and Consultation (Psychiatry clinical internship program). Seminar for Clinical Psychology interns and practicum students in Clinical Psychology and Counseling Psychology.
- 2004 Guest Lecturer. Functional Imaging of Mood and Depression. Clinical Science and Consultation (Psychiatry clinical internship program). Seminar for Clinical Psychology interns and practicum students in Clinical Psychology and Counseling Psychology.
- 2004 Guest Lecturer. Psychotherapy with Chronic Patients. Clinical Science and Consultation (Psychiatry clinical internship program). Seminar for Clinical



- Psychology interns and practicum students in Clinical Psychology and Counseling Psychology.
- 2004 Guest Lecturer. Emotion, Disorders of Emotion, and the Brain: Dissecting the Constituent Features of Anxiety and Depression. Seminar for Undergraduate Honors Program in Department of Psychology.
- 2003 Guest Lecturer. Emotion, disorders of emotion, and the brain: Dissecting the constituent features of anxiety and depression. Clinical Science and Consultation (Psychiatry clinical internship program). Seminar for Clinical Psychology interns and practicum students in Clinical Psychology and Counseling Psychology.
- 1998-2013 Research Supervisor. Directed activities of 50+ advanced undergraduate research assistants in various research studies.
- 1995-1998 Instructor. Adolescent Psychopathology and Intervention. Discussion-based practicum course for upper-level undergraduate students participating in Adolescent Mentoring Program. Responsibilities included developing full-year course curriculum, facilitating class discussion, group and individual supervision, office hours, writing exams (essay), and grading (weekly writing assignments, psychosocial summaries, case presentations, final exams).
- 1993-1996 Research Supervisor. Directed activities of four advanced undergraduate research assistants for two large NIMH-funded projects.
- 1992-1993 Teaching Assistant. Abnormal Psychology. Lecture course for approximately 200 undergraduates. Responsibilities included giving lectures, office hours, writing exams (multiple choice), and conducting review sessions.

## CLINICAL EXPERIENCE

- 2005-present Licensed Clinical Experience. Department of Psychiatry, Wisconsin Psychiatric Institute & Clinics, Madison, WI. Psychologist License for the State of Wisconsin granted in April, 2005 (No: 2537 - 057). 1) Adult and adolescent individual psychotherapy with an emphasis on cognitive-behavioral, exposure-based, interpersonal, and insight-oriented approaches. Clinic practice covers a wide range of disorders, including anxiety disorders, PTSD, OCD, unipolar and bipolar depression, schizoaffective disorder, eating disorders, and personality disorders. 2) Psychotherapy supervision of Clinical Psychology interns and Psychiatry residents.
- 1999-2005 Postdoctoral Clinical Experience. Department of Psychiatry, Wisconsin Psychiatric Institute & Clinics, Madison, WI. 1) Adult and adolescent individual psychotherapy with an emphasis on cognitive-behavioral

methods, interpersonal psychotherapy of depression developed by Gerald Klerman and Myrna Weissman, and interpersonal reconstructive therapy developed by Lorna Benjamin. 2) Adult group and individual psychotherapy using Dialectical Behavior Therapy developed by Marsha Linehan. 3) Adult assessment using a wide array of instruments, including the Structured Clinical Interview for DSM-IV (SCID), Hamilton Rating Scale for Depression (HRSD), Hamilton Anxiety Rating Scale (HAM-A), Scale for the Assessment of Negative Symptoms (SANS), and Parasuicidal History Interview.

Supervisors: Gregory G. Kolden, Ph.D., Sarah Chisholm-Stockard, Ph.D., Katherine M. Putnam, Ph.D.

1995-1998

Predoctoral Clinical Experience following M.A. in Psychology.

Department of Psychology, Psychological Services Center, Champaign, IL. 1) Adolescent and adult individual psychotherapy with an emphasis on systems theory and cognitive-behavioral methods. 2) Family co-therapy with an emphasis on psychodynamic and cognitive-behavioral approaches. 3) Cognitive-behavioral group psychotherapy for depressed adolescents, in Champaign area middle school. Other responsibilities included supervising undergraduate co-facilitator, program evaluation, and networking with school officials. 4) Neuropsychological assessments for children, adolescents, and adults, including testing, home and school observations, intake interviews, feedback sessions, report writing, and court testimony. 5) Founded and directed the Adolescent Mentoring Program. Developed full-year course curriculum for 15 upper-level psychology undergraduates taught by three advanced graduate students (including me). Other responsibilities included group and individual supervision, crisis intervention, readings on adolescent psychopathology and intervention, program evaluation, networking with Champaign area mental health agencies, psychiatric facilities, and school psychologists and social workers.

Supervisors: Wendy Heller, Ph.D., Thom Moore, Ph.D., Karen Rudolph, Ph.D., Marty Traver, Ph.D.

1993-1994

Graduate School Clinical Practica prior to M.A. in Psychology.

Department of Psychology, Psychological Services Center, Champaign, IL. Adult individual psychotherapy with an emphasis on cognitive-behavioral and psychodynamic approaches.

Supervisor: Gregory A. Miller, Ph.D., Fred H. Kanfer, Ph.D.

1993

Mental Health Technician. Cunningham Children's Home, Urbana, IL. Quarter-time position supervising milieu activities and implementing treatment plans of adolescents in residential care.

1991-1992

Mental Health Technician. Adolescent unit, Bethany Pavilion, Oklahoma

City, OK. Half-time position supervising milieu activities and implementing treatment plans of adolescents in acute care.

Supervisor: Deborah D. Hill, R.N.

### **MENTORING/ADVISING/SUPERVISION**

Research mentorship and supervision, 2001-2013

Daniel McFarlin, information processing specialist, 2007-2013

Daniel Grupe, graduate student, 2008-2013

Daniel Bradford, graduate student, 2009-2013

Deborah Kerr, graduate student, 2004-2011

Patric Hernandez, graduate student, 2010-2012

Do Tromp, visiting graduate student, 2009-2010

Desmond Oathes, postdoctoral fellow, 2006-2009

Sid Sarinopoulos, postdoctoral fellow, 2001-2004

Sid Sarinopoulos, assistant scientist, 2004-2007

Dissertation Committees, Department of Psychology, 2004-present:

Jerry Haeffel

Alex Shackman

Hyejeen Lee

Max Maxwell

Joanne Hogle

Stephanie Schell

Robin Nusslock

Deborah Kerr

Sarah Short

Tim Salomons

Rebecca Gloria

Christine Moberg

Kathryn Hefner

Daniel Levinson



Biology Mentored Research Course, Department of Biology, 2001-present:

Alissa Possin	Danielle Greene
Krista Bluske	Melissa Schmidt
Allison Schaus	Lindsay Thomes

Psychotherapy supervision, Department of Psychiatry, 2003-present:

<u>Psychiatry residents</u>	<u>Clinical Psychology interns</u>
Chris Nevers	John Herrington
Jyotila Singh	Tanya Schlam
Rod MacDonald	Arnica Buckner
Justin Schoen	Jeshmin Bhaju
Qazi Javed	Nate Miller
Joe Marzano	Kim Nylen
Erin Curtis	Lori Hilt
Chris Moore	Kate Stroud
Gayatri Vaidyanathan	Erica Carlin
Chienhua Clarke	Sadie Larson
Tim Cordes	Jonathan Hinrichs
Fred Langheim	Erin Walsh
Chris Bermant	Kate Hanley
Rakesh Bhansali	
Brandon Cornejo	
Rachel Plum	
Elliott Lee	
Melissa Gannage	
Joshua Babu	
Madeleine Philpot	<u>Clinical Psychology practicum students</u>
Allen Rigell	Sandra Japuntich
Melissa Goelitz	Allison Jahn
Neal Goldenberg	
Stuart Jones	
Auvid Momen	

Neuroimaging Rotation, Psychology Internship, Department of Psychiatry, 2006-present:

John Herrington	Lori Hilt
Kate Stroud	Betsy Frei
Chris Nicholas	Erin Walsh
Nate Miller	Kate Hanley

## **PROFESSIONAL AND DEPARTMENTAL SERVICE**

Faculty Search Committee, Department of Psychiatry, 2010  
Research and Development Committee, 2010-present  
Faculty Search Committee, Department of Medicine, 2009  
Clinic Director Search Committee, Department of Psychology, 2008  
Neuroscience Area Oversight Committee, Medical School, 2008  
Program Committee, Society for Research in Psychopathology, 2007  
Equity and Diversity Committee, Waisman Center, 2005-2009

Internship Training Committee, Department of Psychiatry, 2004-2013  
 Education Committee, Society for Psychophysiological Research, 2004-2005  
 Dissertation Committees, 2004-present  
 Prelims Committees, Department of Psychology, 2006-2013  
 First-year Project Committees, Department of Psychology, 2005-2013  
 Founder and director of the UIUC Adolescent Mentoring Program, 1995-1997  
 Adolescent Mentoring Program representative at Champaign Agency Reception, 1996-1997  
 Group facilitator for I COPE at Edison Middle School, 1997  
 UIUC Graduate Admissions Committee, 1996

## JOURNAL EDITORIAL CONSULTING

- 2013 American Psychologist, Cerebral Cortex (2), Neuropsychopharmacology,  
Psychological Science
- 2012 American Journal of Psychiatry (2), Archives of General Psychiatry, Biological  
 Psychiatry (2), Frontiers in Neuroscience (3), Psychological Medicine
- 2011 American Journal of Psychiatry (2), Archives of General Psychiatry (2), Brain  
 Imaging and Behavior, Human Brain Mapping (2), Journal of Neuroscience (4),  
NeuroImage (3), Neuroscience and Biobehavioral Reviews, Psychological  
 Medicine (2), Psychological Science
- 2010 American Journal of Psychiatry (2), Archives of General Psychiatry, Biological  
 Psychiatry, Cerebral Cortex, Human Brain Mapping (2), Cognitive, Affective, and  
 Behavioral Neuroscience (2), Journal of Personality and Social Psychology,  
NeuroImage, Neuron (2), Neuroscience and Biobehavioral Reviews, Pediatrics,  
Psychological Medicine
- 2009 American Journal of Psychiatry (4), American Psychologist, Archives of General  
 Psychiatry, Biological Psychiatry (3), Cognitive, Affective, and Behavioral  
 Neuroscience, European Journal of Neuroscience, Human Brain Mapping,  
Psychoneuroendocrinology, Social Cognitive and Affective Neuroscience
- 2008 American Psychologist, Biological Psychiatry (2), Emotion, European Journal of  
 Neuroscience, Journal of Abnormal Psychology, Journal of Neuroscience (2),  
Journal of Personality and Social Psychology, NeuroImage (3), Neuron,  
Psychoneuroendocrinology
- 2007 American Journal of Psychiatry, American Psychologist, Archives of General  
 Psychiatry (3), Biological Psychiatry (2), Chemical Senses, Emotion,  
International Journal of Psychophysiology, Journal of Abnormal Psychology (3),  
Journal of Neuroscience, Journal of Personality and Social Psychology,  
NeuroImage (2)
- 2006 American Journal of Psychiatry (2), Brain, Behavior, and Immunity (3), European  
 Journal of Neuroscience (2), Experimental Brain Research (2), International  
 Journal of Psychophysiology, Journal of Abnormal Psychology, Journal of  
 Integrative Neuroscience, Journal of Psychiatric Research (3), NeuroImage (6),  
Psychological Science
- 2005-06 Co-editor for Named Series in Brain, Behavior, and Immunity entitled “Brain  
 Mechanisms of Placebo”
- 2005 Behavioral Neuroscience, Biological Psychology, Brain, Behavior, and Immunity  
 (4), Emotion, Human Brain Mapping, Journal of Abnormal Psychology (2),  
NeuroImage (2), Psychophysiology

- 2004 Biological Psychiatry (3), Biological Psychology, Cognitive Therapy & Research, Cortex, Emotion, Psychoneuroendocrinology
- 2003 Biological Psychology, Brain and Cognition (2), Cognitive Brain Research, Cognition and Emotion, Emotion, Journal of Psychophysiology, Psychological Bulletin, Psychoneuroendocrinology
- 2002 Emotion, Journal of Abnormal Psychology (2), Journal of Personality and Social Psychology, Journal of Sport & Exercise Psychology, Psychophysiology
- 2001 Biological Psychology, Cognition and Emotion, Emotion (3), Journal of Abnormal Psychology (2), Journal of Personality and Social Psychology (2), Psychophysiology (2)
- 2000 Emotion (3), Psychological Science, Psychophysiology
- 1999 Journal of Abnormal Psychology, Psychophysiology
- 1998 Psychophysiology
- 1997 Psychophysiology

### **GRANT APPLICATION CONSULTING**

- 2013 Ad Hoc Member of NIH Study Section (ZMH1 ERB-S) for NIMH RDoC Initiative
- 2012-15 Member of NIH Study Section (APDA and ZRG1 BBBP-V 60 C)
- 2010 Ad Hoc Member of NIH Study Section (MESH and ZRG1 BBBP-J)
- 2008 Ad Hoc Member of NIH Study Section (ZRG1 BBBP-J 50) for NIH R21 PA
- 2007 Ad Hoc Member of NIH Study Section (ZDA1) for NIH R21 Roadmap
- 2005-06 Member of NIH Study Section (F02A) for Neurosciences Fellowships
- 2004 Ad Hoc Member of NIH Study Section (F02A) for Neurosciences Fellowships
- 2003 External Scientific Review for NIMH R01 Application
- 2003 External Scientific Review for NIA-sponsored Alzheimer's Disease Core Center

### **OTHER CONSULTING EXPERIENCE**

- 2005-07 Member of Scientific Advisory Board, Organization for Human Brain Mapping
- 2005 Reviewer for Wiley
- 2004 Reviewer for MIT Press
- 2003 Scientist for Mind Brain Body and Health Initiative (MacArthur Foundation)
- 2002 Scientist for Mind Brain Body and Health Initiative (MacArthur Foundation)
- 2002 Grant reviewer for Wellcome Trust
- 1999 Reviewer for Oxford University Press

## PUBLICATIONS

### Papers in Refereed Journals

1. Heller, W., & Nitschke, J.B. (1997). Regional brain activity in emotion: A framework for understanding cognition in depression. Cognition and Emotion, *11*, 637-661.
2. Heller, W., Nitschke, J.B., Etienne, M.A., & Miller, G.A. (1997). Patterns of regional brain activity differentiate types of anxiety. Journal of Abnormal Psychology, *106*, 376-385.
3. Heller, W., Nitschke, J.B., & Lindsay, D.L. (1997). Neuropsychological correlates of arousal in self-reported emotion. Cognition and Emotion, *11*, 383-402.
4. Heller, W., & Nitschke, J.B. (1998). The puzzle of regional brain activity in depression and anxiety: The importance of subtypes and comorbidity. Cognition and Emotion, *12*, 421-447.
5. Nitschke, J.B., Miller, G.A., & Cook, E.W. III (1998). Digital filtering in EEG/ERP analysis: Some technical and empirical comparisons. Behavior Research Methods, Instruments, and Computers, *30*, 54-67.
6. Heller, W., Nitschke, J.B., & Miller, G.A. (1998). Lateralization in emotion and emotional disorders. Current Directions in Psychological Science, *7*, 26-32.
7. Davidson, R.J., Abercrombie, H., Nitschke, J.B., & Putnam, K. (1999). Regional brain function, emotion and disorders of emotion. Current Opinion in Neurobiology, *9*, 228-234.
8. Nitschke, J.B., Heller, W., Palmieri, P.A., & Miller, G.A. (1999). Contrasting patterns of brain activity in anxious apprehension and anxious arousal. Psychophysiology, *36*, 628-637.
9. Keller, J., Nitschke, J.B., Bhargava, T., Deldin, P.J., Gergen, J.A., Miller, G.A., & Heller, W. (2000). Neuropsychological differentiation of depression and anxiety. Journal of Abnormal Psychology, *109*, 3-10.
10. Nitschke, J.B., Heller, W., Imig, J.C., McDonald, R.P., & Miller, G.A. (2001). Distinguishing dimensions of anxiety and depression. Cognitive Therapy and Research, *25*, 1-22.
11. Pizzagalli, D., Pascual-Marqui, R.D., Nitschke, J.B., Larson, C.L., Oakes, T.R., Abercrombie, H.C., Schaefer, S.M., Koger, J.V., Benca, R.M., & Davidson, R.J. (2001). Anterior cingulate activity predicts degree of treatment response in major depression: Evidence from brain electrical tomography analysis. American Journal of Psychiatry, *158*, 405-415.
12. Davidson, R.J., Pizzagalli, D., Nitschke, J.B., & Putnam, K. (2002). Depression: Perspectives from affective neuroscience. Annual Review of Psychology, *53*, 545-574.
13. Nitschke, J.B., Larson, C.L., Smoller, J.J., Navin, S. D., Pederson, A.J.C., Ruffalo, D., Mackiewicz, K.L., Gray, S.M., Victor, E., & Davidson, R.J. (2002). Startle potentiation in aversive anticipation: Evidence for state but not trait effects. Psychophysiology, *39*, 254-258.
14. Pizzagalli, D.A., Nitschke, J.B., Oakes, T.R., Hendrick, A.M., Horras, K.A., Larson, C.L., Abercrombie, H.C., Schaefer, S.M., Koger, J.V., Benca, R.M., Pascual-Marqui, R.D., & Davidson, R.J. (2002). Brain electrical tomography in depression: The importance of symptom severity, anxiety, and melancholic features. Biological Psychiatry, *52*, 73-85.
15. Jackson, D.J., Mueller, C.J., Dolski, I., Dalton, K.M., Nitschke, J.B., Urry, H.L.,



- Rosenkranz, M.A., Ryff, C.D., Singer, B.D., & Davidson, R.J. (2003). Now you feel it, now you don't: Frontal EEG asymmetry and individual differences in emotion regulation. *Psychological Science*, *14*, 612-617.
16. Nitschke, J.B., Nelson, E.E., Rusch, B.D., Fox, A.S., Oakes, T.R., & Davidson, R.J. (2004). Orbitofrontal cortex tracks positive mood in mothers viewing pictures of their infants. *NeuroImage*, *21*, 583-592.
  17. Nitschke, J.B., Heller, W., Etienne, M.A., & Miller, G.A. (2004). Prefrontal cortex activation differentiates processes affecting memory in depression. *Biological Psychology*, *67*, 125-143.
  18. Urry, H.L., Nitschke, J.B., Dolski, I., Jackson, D.C., Dalton, K.M., Mueller, C.J., Rosenkranz, M.A., Ryff, C.D., Singer, B.H., & Davidson, R.J. (2004). Making a life worth living: Neural correlates of well-being. *Psychological Science*, *15*, 367-372.
  19. Mackiewicz, K.L., Sarinopoulos, I., Cleven, K.L., & Nitschke, J.B. (2006). The effect of anticipation and the specificity of sex differences for amygdala and hippocampus function in emotional memory. *Proceedings of the National Academy of Sciences of the United States of America*, *103*, 14200-14205.
  20. Nitschke, J.B., Dixon, G.E., Sarinopoulos, I., Short, S.J., Cohen, J.D., Smith, E.E., Kosslyn, S.M., Rose, R.M., & Davidson, R.J. (2006). Altering expectancy dampens neural response to aversive taste in primary taste cortex. *Nature Neuroscience*, *9*, 435-442.
  21. Nitschke, J.B., Sarinopoulos, I., Mackiewicz, K.L., Schaefer, H.S., & Davidson, R.J. (2006). Functional neuroanatomy of aversion and its anticipation. *NeuroImage*, *29*, 106-116.
  22. Sarinopoulos, I., Dixon, G.E., Short, S.J., Davidson, R.J., & Nitschke, J.B. (2006). Brain mechanisms of expectation associated with insula and amygdala response to aversive taste: Implications for placebo. *Brain, Behavior, and Immunity*, *20*, 120-132.
  23. Larson, C.L., Nitschke, J. B., & Davidson, R.J. (2007). Common and distinct patterns of affective response in dimensions of anxiety and depression. *Emotion*, *7*, 182-191.
  24. Oathes, D.J., Bruce, J.M., & Nitschke, J.B. (2008). Worry facilitates corticospinal motor response to transcranial magnetic stimulation. *Depression and Anxiety*, *25*, 969-976. PMID: PMC3166535
  25. Oathes, D.J., Ray, W.J., Yamasaki, A.S., Borkovec, T.D., Castonguay, L.G., Newman, M.G., & Nitschke, J.B. (2008). Worry, generalized anxiety disorder, and emotion: Evidence from the EEG gamma band. *Biological Psychology*, *79*, 165-170. PMID: PMC2597009
  26. Whalen, P.J., Johnstone, T., Somerville, L.H., Nitschke, J.B., Polis, S., Ihde-Scholl, T., Tarleton, L., Alexander, A.L., Davidson, R.J., & Kalin, N.H. (2008). A functional MRI predictor of treatment response to venlafaxine in generalized anxiety disorder. *Biological Psychiatry*, *63*, 858-863. PMID: PMC265428
  27. Nitschke, J.B., Sarinopoulos, I., Oathes, D.J., Johnstone, T., Whalen, P.J., Davidson, R.J., & Kalin, N.H. (2009). Anticipatory activation in the amygdala and anterior cingulate in generalized anxiety disorder and prediction of treatment response. *American Journal of Psychiatry*, *166*, 302-310. doi: 10.1176/appi.ajp.2008.07101682.
  28. Sarinopoulos, I., Grupe, D.W., Mackiewicz, K.L., Herrington, J.D., Lor, M., Steege, E.E., & Nitschke, J.B. (2010). Uncertainty during anticipation modulates neural responses to aversion in human insula and amygdala. *Cerebral Cortex*, *20*, 929-940. doi: 10.1093/cercor/bhp155.
  29. Oathes, D.J., Squillante, C.M., Ray, W.J., & Nitschke, J.B. (2010). The impact of worry

- on attention to threat. PLoS One, *5*, e13411. doi: 10.1371/journal.pone.0013411.
30. Grupe, D.W., & Nitschke, J.B. (2011). Uncertainty is associated with biased expectancies and heightened responses to aversion. Emotion, *11*, 413-424. doi: 10.1037/a0022583.
  31. Tromp, D.P.M., Grupe, D.W., Oathes, D.J., Hernandez, P.J., McFarlin, D.R., Kral, T.R.A., Lee, J.E., Adams, M., Alexander, A.L., & Nitschke, J.B. (2012). Reduced structural connectivity of frontolimbic pathway in generalized anxiety disorder. Archives of General Psychiatry (now JAMA Psychiatry), *69*, 925-934. doi: 10.1001/archgenpsychiatry.2011.2178.
  32. Kerr, D.L., McLaren, D.G., Mather, R.M., & Nitschke, J.B. (2012). Controllability modulates the anticipatory response in the human ventromedial prefrontal cortex. Frontiers Psychology, *3*, 557. doi: 10.3389/fpsyg.2012.00557
  33. McFarlin, D.R., Kerr D.L., & Nitschke J.B. (2013). Upsampling to 400-ms resolution for assessing effective connectivity in fMRI data with Granger Causality. Brain Connectivity, *3*, 61-71. doi: 10.1089/brain.2012.0093.
  34. Grupe, D.W., & Nitschke, J.B. (2013). Uncertainty and anticipation in anxiety: An integrated neurobiological and psychological perspective. Nature Neuroscience Reviews, *14*, 488-501. doi: 10.1038/nrn3524.
  35. Grupe, D.W., Oathes, D.J., & Nitschke, J.B. (2013). Dissecting the anticipation of aversion reveals dissociable neural networks. Cerebral Cortex, *23*, 1874-1883. doi: 10.1093/cercor/bhs175.
  36. Goldstein, A.N., Greer, S.M., Saletin, J.M., Harvey, A., Nitschke, J.B., & Walker, M.P. (2013). Tired and apprehensive: Anxiety amplifies the impact of sleep loss on aversive brain anticipation. Journal of Neuroscience, *33*, 10607-10615. doi: 10.1523/JNEUROSCI.5578-12.2013.
  37. Seppala, E., Nitschke, J.B., Tudorascu, D.L., Hayes, A., Goldstein, M.R., Nguyen, D.T., Perlman, D., & Davidson, R.J. (2014). Breathing-based meditation decreases post-traumatic stress disorder symptoms in U.S. military veterans: A randomized controlled longitudinal study. Journal of Traumatic Stress, *27*, 397-405. doi: 10.1002/jts.21936.
  38. Oathes, D.J., Hilt, L.M., & Nitschke, J.B. (2015). Affective neural responses modulated by serotonin transporter genotype in patients with generalized anxiety disorder, social anxiety disorder, and depression. PLoS One, *12*, e0115820. doi: 10.1371/journal.pone.0115820.
  39. Grupe, D.W., Wielgosz, J., Davidson, R.J., & Nitschke, J.B. (2016). Neurobiological correlates of distinct PTSD symptom profiles during threat anticipation in combat veterans. Psychological Medicine, *46*, 1885-1895. doi:10.1017/S0033291716000374.

### **Book Chapters**

40. Nitschke, J.B., Heller, W., & Miller, G.A. (2000). Anxiety, stress, and cortical brain function. In J.C. Borod (Ed.), The Neuropsychology of Emotion (pp. 298-319). New York: Oxford University Press.
41. Davidson, R.J., Pizzagalli, D., & Nitschke, J.B. (2002). The representation and regulation of emotion in depression: Perspectives from affective neuroscience. In I.H. Gotlib & C.L. Hammen (Eds.), Handbook of Depression (pp. 219-244). New York: Guilford Press.
42. Heller, W., Isom, J., Nitschke, J.B., Koven, N.S., & Miller, G.A. (2002). States, traits, and symptoms: Investigating the neural correlates of emotion, personality, and psychopathology. In D. Cervone & W. Mischel (Eds.), Advances in Personality Science (pp. 106-126). New York: Guilford Press.

43. Nitschke, J.B., & Heller, W. (2002). The neuropsychology of anxiety disorders: Affect, cognition, and neural circuitry. In H. D'Haenen, J.A. den Boer, & P. Willner (Eds.), Biological Psychiatry (pp. 975-988). Chichester, UK: John Wiley & Sons, Ltd.
44. Davidson, R.J., Pizzagalli, D., Nitschke, J.B., & Kalin, N.H. (2003). Parsing the subcomponents of emotion and disorders of emotion: Perspectives from affective neuroscience. In R.J. Davidson, K.R. Scherer, & H.H. Goldsmith (Eds.), Handbook of Affective Sciences (pp. 8-24). New York: Oxford University Press.
45. Nitschke, J.B., & Heller, W. (2005). Distinguishing neural substrates of heterogeneity among anxiety disorders. International Review of Neurobiology, *67*, 1-42.
46. Nitschke, J.B., & Mackiewicz, K.L. (2005). Prefrontal and anterior cingulate contributions to volition in depression. International Review of Neurobiology, *67*, 73-94.
47. Nitschke, J.B., & Mackiewicz, K.L. (2006). Prefrontal and anterior cingulate contributions to volition in depression. In N. Sebanz, & W. Prinz (Eds.), Disorders of Volition (pp. 251-274). Cambridge, MA: MIT Press.
48. Davidson, R.J., Pizzagalli, D.A., & Nitschke, J.B. (2008). The representation and regulation of emotion in depression: Perspectives from affective neuroscience. In I.H. Gotlib & C.L. Hammen (Eds.), Handbook of Depression, 2<sup>nd</sup> ed. (pp. 218-248). New York: Guilford Press.
49. Herrington, J.D., Koven, N.S., Miller, G.A., Heller, W., & Nitschke, J.B. (2009). Frontal asymmetry in emotion, personality and psychopathology: Methodological issues in electrocortical and hemodynamic neuroimaging. In S.J. Wood, N. Allen, & C. Pantelis (Eds.), The Neuropsychology of Mental Illness (pp. 29-46). Cambridge, UK: Cambridge University Press.
50. Grupe, D.W., & Nitschke, J.B. (2011). Anxiety disorders and the amygdala. In Yearbook of Science & Technology 2011. New York City, NY: McGraw-Hill.

### **Commentaries in Refereed Journals**

51. Wager, T.D., & Nitschke, J.B. (2005). Placebo effects in the brain: Linking mental and physiological processes. Brain, Behavior, and Immunity, *19*, 281-282.
52. Oathes, D.J., & Nitschke, J.B. (2008). State of the union between cognitive neuroscience and emotion. Expert Review in Neurotherapeutics, *8*, 1025-1027. doi: 10.1586/14737175.8.7.1025.

## **INVITED TALKS**

### **Local**

1. Nitschke, J.B. (1999, August). Affective and physiological indicators of anxiety and depression: From startle reflex to fMRI. Invited talk presented at the annual Emotion Training Program Workshop, University of Wisconsin, Madison, WI.
2. Nitschke, J.B. (2002, October). Forays into the brain circuitry of positive emotion. Invited talk presented for the Tri-Beta Honor Society, University of Wisconsin, Madison, WI.
3. Nitschke, J.B. (2006, February). Anticipation of aversive events in the human brain: a model for anxiety and its disorders. Invited talk presented at Grand Rounds in the Department of Psychiatry, University of Wisconsin, Madison, WI.

4. Nitschke, J.B. (2006, September). The power of expectancy, anxiety, and the brain. Invited talk presented at Chaos Theory and Complex Systems seminar series, University of Wisconsin, Madison, WI.
5. Nitschke, J.B. (2006, November). The power of expectancy, anxiety, and the brain. Invited talk presented at Keck Biological Imaging lecture series, University of Wisconsin, Madison, WI.
6. Nitschke, J.B. (2007, March). The power of expectancy, anxiety, and the brain. Invited talk presented at Biology of Brain and Behavior seminar series in Department of Psychology, University of Wisconsin, Madison, WI.
7. Nitschke, J.B. (2009, April). The expectant brain and anxiety disorders. Invited talk presented for the Participatory Learning and Teaching Organization (PLATO) program of the Osher Lifelong Learning Institute, University of Wisconsin Continuing Studies, Madison, WI.
8. Nitschke, J.B. (2010, April). The expectant brain in anxiety disorders and their treatment. Invited talk presented for the nationwide NARSAD initiative entitled “Healthy Minds,” University of Wisconsin School of Medicine and Public Health, Madison, WI.
9. Nitschke, J.B. (2011, February). The expectant brain in anxiety disorders. Invited talk presented at Clinical Psychology seminar series in Department of Psychology, University of Wisconsin, Madison, WI.
10. Nitschke, J.B. (2012, April). Anticipating that Bad Things Will Happen: Anxiety in the Human Brain. Invited talk presented at Biological Imaging lecture series, University of Wisconsin, Madison, WI.
11. Nitschke, J.B. (2012, October). Anticipating that Bad Things Will Happen: Anxiety and PTSD in the Human Brain. Invited talk presented at UW System-wide Committee on Veterans Issues (SCOV), University of Wisconsin, Madison, WI.
12. Nitschke, J.B. (2013, February). Anticipating that Bad Things Will Happen: Anxiety and PTSD in the Human Brain. Invited talk presented at Service Member Support Division (SMSD) of the National Guard, Madison, WI.
13. Nitschke, J.B. (2013, June). Anticipation, Uncertainty, and Anxiety. Invited talk presented at Wednesday Nite @ The Lab, Biotechnology Center, University of Wisconsin, Madison, WI.
14. Nitschke, J.B. (2017, May). The Brain and Teenage Mental Health: Teachers’ Manual. Invited keynote address to be presented at Madison Area Teachers of Psychology in the Secondary Schools (MADTOPSS) Workshop, Middleton High School, Middleton, WI.

### **Regional**

15. Nitschke, J.B. (1997, November). Understanding cortical brain activity in depression and anxiety. Invited talk presented at Northwestern University, Evanston, IL.
16. Nitschke, J.B., Heller, W., & Miller, G.A. (1998, May). Psychometric differentiation of affective dimensions: Implications for the tripartite model. In S.J. Catanzaro (Chair), The tripartite model of anxiety and depression: Current research and future prospects. Invited symposium talk presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
17. Nitschke, J.B. (2005, May). Neuropsychology and neuroimaging of anxiety and depression. Invited talk presented at the annual meeting of the Midwest Neuropsychology Group, Madison, WI.

18. Nitschke, J.B. (2013, February). A neuroimaging journey into anxiety coinciding with the 20-year history of fMRI. Invited talk presented at University of Illinois, Chicago, IL.

### **National**

19. Nitschke, J.B. (2001, June). Brain electrophysiology in anxiety: Challenging the assumption of homogeneity. In S.K. Sutton (Chair), Affective states, traits, and symptoms: EEG explorations. Invited symposium talk presented at the annual meeting of the American Psychological Society, Toronto, Ontario, Canada.
20. Nitschke, J.B. (2001, August). Neural circuitry of positive emotion: An fMRI study of mothers viewing pictures of their infants. Invited talk presented at the 2001 Positive Psychology Summer Institute, Sea Ranch, CA.
21. Nitschke, J.B., Nelson, E.E., & Davidson, R.J. (2002, February). Brain circuits in positive and negative emotion: Contributions of widely distributed structures serving specific functions. In E. Harmon-Jones (Chair), Brain mechanisms involved in emotion and personality. Invited symposium talk presented at the annual meeting of the Society for Personality and Social Psychology, Savannah, GA.
22. Nitschke, J.B. (2008, March). Anxiety and the power of expectancy in the human brain. Invited colloquium presented at Department of Psychology, North Dakota State University, Fargo, ND.
23. Nitschke, J.B. (2009, March). The expectant brain and anxiety disorders. Invited colloquium presented at Department of Psychology, University of California, Berkeley, CA.
24. Nitschke, J.B., Oathes, D.J., Hilt, L.M., Tromp, D.P.M., McFarlin, D.R., & Sarinopoulos, I. (2009, November). Neural mechanisms of anticipatory processing in generalized anxiety disorder. In J. Mohlman (Chair), Universal processes in generalized anxiety disorder – A lifespan neurobiological perspective. Invited symposium talk presented at the annual meeting of the Association for Behavior and Cognitive Therapies, New York City, NY.
25. Nitschke, J.B., Tromp, D.P.M., Oathes, D.J., McFarlin, D.R., & Sarinopoulos, I. (2010, March). The neuroanatomy of anticipatory and regulatory dysfunction in GAD. In K. Beesdo-Baum & S. Schoenfeld (Chairs), Improving understanding of Generalized Anxiety Disorder: What can we learn from epidemiological, experimental and clinical studies? Invited symposium talk presented at the annual meeting of the Anxiety Disorders Association of America, Baltimore, MD.
26. Nitschke, J.B. (2010, May). White matter and genetic contributions to regulation deficits affecting anticipatory brain function in generalized anxiety disorder. In A. Etkin (Chair), Implicit emotion regulation: Basic mechanisms and clinical relevance. Invited symposium talk to be presented at the annual meeting of the Society of Biological Psychiatry, New Orleans, LA.
27. Nitschke, J.B. (2010, September). Anticipating the worst: Anxiety disorders in the brain. Invited colloquium presented at Grand Rounds in the Department of Psychiatry, McLean Hospital, Boston, MA.

### **International**

28. Nitschke, J.B., Larson, C.L., & Davidson, R.J. (2001, October). Distinguishing affective dimensions contributing to emotion-modulated startle in depression. In N.B. Allen

- (Chair), Affective and attentional startle modulation in depression. Invited symposium talk presented at the annual meeting of the Society for Psychophysiological Research, Montreal, Quebec, Canada.
29. Nitschke, J.B., Heller, W., Pizzagalli, D., & Davidson, R.J. (2003, December). Prefrontal and anterior cingulate contributions to avolition in depression. Invited talk presented at conference on Disorders of Volition, Irsee, Germany.
  30. Nitschke, J.B. (2004, June). Functional imaging of mood and depression. In T. Paus (Chair), Depression. Invited symposium talk presented at the annual meeting of the Organization for Human Brain Mapping, Budapest, Hungary.
  31. Nitschke, J.B. (2009, July). Anxiety and emotion in the human brain. Invited colloquium presented at Department of Psychology, Universitat Jaume I, Castellon, Spain.

## CONFERENCE PROCEEDINGS

1. Braggio, J.T., Pishkin, V., & Nitschke, J.B. (1991, October). Cognitive performance and psychophysiological activity in alcohol abusing adolescents. Poster session presented at the annual meeting of the Society for Psychophysiological Research, Chicago, IL.
2. Braggio, J.T., Pishkin, V., & Nitschke, J.B. (1991, November). Effects of failure on Concept Identification (CI) performance and psychophysiological activity of substance abusing, conduct disordered, and normal student control adolescents. Poster session presented at the annual meeting of the Oklahoma Psychological Association, Oklahoma City, OK.
3. Nitschke, J.B., Braggio, J.T., Pishkin, V., & Brooks, D.L. (1991, November). Influence of criminal behaviors in alcohol-abusing and conduct-disordered adolescents on cognitive performance and psychophysiological activity. Paper presented at the annual meeting of the Oklahoma Psychological Association, Oklahoma City, OK.
4. Nitschke, J.B., Braggio, J.T., Pishkin, V., & Brooks, D.L. (1991, November). Effects of failure on cognitive performance and psychophysiological activity in alcohol-abusing and conduct-disordered adolescents, with or without criminal behaviors, and student controls. Poster session presented at the annual meeting of the Oklahoma Psychological Association, Oklahoma City, OK.
5. Nitschke, J.B., Heller, W., & Lindsay, D. (1994, May). Posterior right hemisphere activity, emotion, and self-reported arousal. Paper presented at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
6. Nitschke, J.B., Heller, W., Etienne, M.A., Taitano, E.K., Cecola, T.A., & Miller, G.A. (1994, October). Moderating effects of extraversion on regional brain activity in anxiety. Poster session presented at the annual meeting of the Society for Psychophysiological Research, Atlanta, GA.
7. Nitschke, J.B., Heller, W., Etienne, M.A., & Miller, G.A. (1995, October). Specificity of frontal EEG asymmetry in anxiety and depression during emotion processing. Poster session presented at the annual meeting of the Society for Psychophysiological Research, Toronto, Ontario, Canada.
8. Etienne, M.A., Heller, W., Nitschke, J.B., & Miller, G.A. (1995, October). Gender affects regional brain activity in anxiety and depression. Poster session presented at the annual meeting of the Society for Research in Psychopathology, Iowa City, IO.
9. Heller, W., Nitschke, J.B., Etienne, M.A., & Miller, G.A. (1995, October). Regional brain activity differentiates anxiety subtypes. Paper presented at the annual meeting of the Society for Research in Psychopathology, Iowa City, IO.

10. Nitschke, J.B., Heller, W., Imig, J., Chiang, J., Von Behren, J., & Miller, G.A. (1996, September). Distinguishing subtypes of anxiety and depression: Further construct development, comorbidity, and neuropsychological implications. Poster session presented at the annual meeting of the Society for Research in Psychopathology, Atlanta, GA.
11. Nitschke, J.B., Palmieri, P.A., Miller, G.A., & Heller, W. (1997, June). Opposing patterns of brain activity in different types of anxiety. Paper presented at the 4<sup>th</sup> Laterality and Psychopathology Conference, London, England.
12. Heller, W., Nitschke, J.B., Palmieri, P.A., & Miller, G.A. (1997, June). To divide is not to take away: New integrations of regional brain physiology and cognition in depression and anxiety. Paper presented at the 4<sup>th</sup> Laterality and Psychopathology Conference, London, England.
13. Nitschke, J.B., Heller, W., Palmieri, P.A., & Miller, G.A. (1997, October). Cerebral asymmetry, life stress, and depression: Testing a diathesis/stress model. Poster session presented at the annual meeting of the Society for Psychophysiological Research, Cape Cod, MA.
14. Heller, W., Nitschke, J.B., Keller, J., & Miller, G.A. (1998, May). Neuropsychological differentiation of affective dimensions: Implications for the tripartite model. In S.J. Catanzaro (Chair), The tripartite model of anxiety and depression: Current research and future prospects. Symposium conducted at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
15. Nitschke, J.B., Heller, W., & Miller, G.A. (1998, May). Psychometric differentiation of affective dimensions: Implications for the tripartite model. In S.J. Catanzaro (Chair), The tripartite model of anxiety and depression: Current research and future prospects. Symposium conducted at the annual meeting of the Midwestern Psychological Association, Chicago, IL.
16. Etienne, M.A., Heller, W., Nitschke, J.B., & Miller, G.A. (1999, November). Frontal brain activity is related to memory performance in depression. Poster session presented at the annual meeting of the Society for Research in Psychopathology, Montreal, Quebec, Canada.
17. Heller, W., Nitschke, J.B., Etienne, M.A., Compton, R.J., & Miller, G.A. (1999, November). Cognition/emotion relationships in depression and anxiety. In D.M. Barch & W. Heller (Chairs), Substrates of cognitive and emotional processing: Common or separate mechanisms? Symposium conducted at the annual meeting of the Society for Research in Psychopathology, Montreal, Quebec, Canada.
18. Jackson, D.C., Nitschke, J.B., Seidenberg, M., Hermann, B., Bell, B., Dow, C., Burghy, C.A., & Davidson, R.J. (1999, November). Duration of active temporal lobe epilepsy is associated with increased negative and decreased positive affect. Poster session presented at the annual meeting of the Society for Research in Psychopathology, Montreal, Quebec, Canada.
19. Nitschke, J.B., Larson, C.L., Navin, S.D., Nietert, J.Y., Jackson, D.C., & Davidson, R.J. (1999, November). Emotion-modulated startle in anxiety and depression. Poster session presented at the annual meeting of the Society for Research in Psychopathology, Montreal, Quebec, Canada.
20. Jackson, D.C., Nitschke, J.B., Seidenberg, M., Hermann, B., Bell, B., Dow, C., Burghy, C.A., & Davidson, R.J. (2000, February). Duration of active temporal lobe epilepsy is associated with increased negative and decreased positive affect. Poster session presented at the annual meeting of the International Neuropsychological Society, Denver, CO.

21. Larson, C.L., Irwin, W., Nitschke, J.B., Navin, S.D., Ruffalo, D., Shackman, A.J., & Davidson, R.J. (2000, October). Self-report correlates of reactivity to visual affective stimuli indexed with emotion modulated startle: Specificity of a new measure. Poster session presented at the annual meeting of the Society for Psychophysiological Research, San Diego, CA.
22. Nitschke, J.B., Larson, C.L., Navin, S.D., Gray, S., Ruffalo, D., Smoller, M., Victor, E., Mackiewicz, K., & Davidson, R.J. (2000, October). Emotion-modulated startle in anticipation of and response to affective stimuli in anxiety and depression. Poster session presented at the annual meeting of the Society for Psychophysiological Research, San Diego, CA.
23. Pizzagalli, D., Nitschke, J.B., Pascual-Marqui, R.D., Larson, C.L., Oakes, T.R., Abercrombie, H.C., Schaefer, S.M., Koger, J.V., Benca, R.M., & Davidson, R.J. (2000, October). Degree of treatment response in major depression is predicted by anterior cingulate activity: A Low Resolution Electromagnetic Tomography (LORETA) analysis. Poster session presented at the annual meeting of the Society for Psychophysiological Research, San Diego, CA.
24. Pizzagalli, D., Nitschke, J.B., Pascual-Marqui, R.D., Larson, C.L., Abercrombie, H.C., Schaefer, S.M., Oakes, T.R., Koger, J.V., Benca, R.M., & Davidson, R.J. (2000, December). Brain electrical correlates of depression derived from a new source localization method. Poster session presented at the annual meeting of the Society for Research in Psychopathology, Boulder, CO.
25. Putnam, K.M., Rosenkranz, M.A., Mueller, C.J., Zhang, R., Slagter, H.A., Anderle, M.J., Schaefer, H., Ng, E.B., Nitschke, J.B., Benca, R.M., Jahn, A.L., & Davidson, R.J. (2000, December). Event-related functional magnetic resonance imaging during the presentation of affective images in depressed versus nondepressed participants. Poster session presented at the annual meeting of the Society for Research in Psychopathology, Boulder, CO.
26. Putnam, K.M., Mueller, C.J., Skolnick, A.J., Zhang, R., Slagter, H.A., Benca, R.M., Ng, E.B., Kinsella, E.C., Jahn, A.L., Nitschke, J.B., Pizzagalli, D., Greischar, L., Pederson, A., & Davidson, R.J. (2000, December). Dense array EEG activity during conditions of reward and threat in depressed versus nondepressed participants. Poster session presented at the annual meeting of the Society for Research in Psychopathology, Boulder, CO.
27. Pizzagalli, D., Nitschke, J.B., Pascual-Marqui, R.D., Larson, C.L., Oakes, T.R., Benca, R.M., & Davidson, R.J. (2001, January). Degree of treatment response in major depression is predicted by anterior cingulate activity: A Low Resolution Electromagnetic Tomography (LORETA) analysis. Poster session presented at the joint meeting of the Swiss Society for Neuroscience and the Swiss Society for Clinical Neurophysiology, Bern, Switzerland.
28. Nelson, E.E., Nitschke, J.B., Rusch, B.D., Oakes, T.R., Anderle, M.J., Ferber, K.L., Pederson, A.J.C., & Davidson, R.J. (2001, June). Motherly love: An fMRI study of mothers viewing pictures of their infants. Poster session presented at the annual meeting of Human Brain Mapping, Cambridge, England.
29. Nitschke, J.B. (2001, June). Brain electrophysiology in anxiety: Challenging the assumption of homogeneity. In S.K. Sutton (Chair), Affective states, traits, and symptoms: EEG explorations. Symposium conducted at the annual meeting of the American Psychological Society, Toronto, Ontario, Canada.
30. Nitschke, J.B., Larson, C.L., & Davidson, R.J. (2001, October). Distinguishing Affective Dimensions Contributing to Emotion-modulated Startle in Depression. In N.B. Allen



- (Chair), Affective and attentional startle modulation in depression. Symposium conducted at the annual meeting of the Society for Psychophysiological Research, Montreal, Quebec, Canada.
31. Nitschke, J.B., Schaefer, H.S., Mackiewicz, K., Skinner, B.T., Possin, A.A., Lee, H., Oakes, T.R., Anderle, M.J., Ihde-Scholl, T., Tarleton, L.C., Marler, C., Pederson, A.J.C., Ferber, K.L., & Davidson, R.J. (2001, November). Disentangling the anticipation of and response to aversive pictures: An event-related fMRI study. Poster session presented at the annual meeting of the Society for Neuroscience, San Diego, CA.
  32. Putnam, K.M., Mueller, C.J., Schaefer, H., Jahn, A.L., Ng, E.B., Nitschke, J.B., Benca, R.M., Anderle, M.J., Zhang, R., Postle, B., & Davidson, R.J. (2001, November). Event-related functional magnetic resonance imaging during the presentation of affective images in depressed versus nondepressed participants. Paper session presented at the annual meeting of the Society for Neuroscience, San Diego, CA.
  33. Nitschke, J.B., Nelson, E.E., & Davidson, R.J. (2002, February). Brain circuits in positive and negative emotion: Contributions of widely distributed structures serving specific functions. In E. Harmon-Jones (Chair), Brain mechanisms involved in emotion and personality. Symposium conducted at the annual meeting of the Society for Personality and Social Psychology, Savannah, GA.
  34. Davidson, R.J., Putnam, K.P., Nitschke, J.B., Larson, C.L., Schaefer, H.S., & Dalton, K. (2002, October). Probing the circuitry of emotion, emotion regulation and affective style. In A. Schienle (Chair), Emotion and fMRI. Symposium conducted at the annual meeting of the Society for Psychophysiological Research, Washington, DC.
  35. Nitschke, J.B. (2002, October). Probing the psychophysiology of positive emotion. Symposium chaired at the annual meeting of the Society for Psychophysiological Research, Washington, DC.
  36. Nitschke, J.B., Urry, H.L., Nelson, E.E., & Davidson, R.J. (2002, October). Neural circuitry in positive emotion: Maternal love and well-being. In J.B. Nitschke (Chair), Probing the psychophysiology of positive emotion. Symposium conducted at the annual meeting of the Society for Psychophysiological Research, Washington, DC.
  37. Johnstone, T., Whalen, P.J., Nitschke, J.B., Somerville, L.H., Idhe-Scholl, T., Tarleton, L., Seman, L., Davidson, R.J., & Kalin, N.H. (2002, November). Amygdala activation to fearful facial expressions in generalized anxiety disorder (GAD). Poster session presented at the annual meeting of the Society for Neuroscience, Orlando, FL.
  38. Nitschke, J.B., Johnstone, T., Possin, A.A., Mackiewicz, K.L., Somerville, L.H., Schaefer, H.S., Whalen, P.J., Seman, L., Kalin, N.H., & Davidson, R.J. (2002, November). Altered fMRI responses to the anticipation of and exposure to aversion in generalized anxiety disorder. Paper session presented at the annual meeting of the Society for Neuroscience, Orlando, FL.
  39. Johnstone, T., Somerville, L.H., Nitschke, J.B., Alexander, A.L., Davidson, R.J., Kalin, N.H., & Whalen, P.J. (2003, June). Stability of amygdala BOLD response to fearful faces over multiple scan sessions. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, New York City, NY.
  40. Atchley, R.A., & Nitschke, J.B. (2003, November). Neurophysiology of cognitive abnormalities in depression. Symposium chaired at the annual meeting of the Society for Psychophysiological Research, Chicago, IL.
  41. Nitschke, J.B., Heller, W., Etienne, M.A., & Miller, G.A. (2003, November). Prefrontal cortex activation differentiates strategy initiation and cognitive bias processes affecting memory in depression. In R.A. Atchley & J.B. Nitschke (Chairs), Neurophysiology of

- cognitive abnormalities in depression. Symposium conducted at the annual meeting of the Society for Psychophysiological Research, Chicago, IL.
42. Nitschke, J.B., Heller, W., Pizzagalli, D., & Davidson, R.J. (2003, December). Prefrontal and anterior cingulate contributions to avolition in depression. Invited talk presented at conference on Disorders of Volition, Irsee, Germany.
  43. Mackiewicz, K.L., Schaefer, H.S., Cleven, K.L., Bluske, K.K., & Nitschke, J.B. (2004, June). Neural circuitry of the anticipation of and reactivity to aversive and ambiguous stimuli. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, Budapest, Hungary.
  44. Nitschke, J.B. (2004, June). Functional imaging of mood and depression. In T. Paus (Chair), Depression. Symposium presented at the annual meeting of the Organization for Human Brain Mapping, Budapest, Hungary.
  45. Sarinopoulos, I., Mackiewicz, K.L., Schaefer, H.S., Davidson, R.J., & Nitschke, J.B. (2004, June). Neural correlates of anticipating and reacting to aversive pictures: An event-related fMRI study. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, Budapest, Hungary.
  46. Mackiewicz, K.L., Bluske, K.K., Kubota, J.T., Schaefer, H.S., & Nitschke, J.B. (2004, November). Neural correlates of aversive anticipation predict subsequent episodic memory. Poster session presented at the annual meeting of the Society for Neuroscience, San Diego, CA.
  47. Dixon, G.E., Nitschke, J.B., Short, S.J., Lakshmanan, A., Carew, M.E., Anderle, M.J., Schaefer, H.S., Johnstone, T., Cohen, J.D., Kosslyn, S.M., Smith, E.E., & Davidson, R.J. (2004, October). The neural correlates of anticipation: The functional neurobiology of gustatory expectancy in the human brain. Poster session presented at the annual meeting of the Society for Neuroscience, San Diego, CA.
  48. Mackiewicz, K.L., Cleven, K.L., Bluske, K.K., Sarinopoulos, I., & Nitschke, J.B. (2005, June). Amygdala and hippocampus contributions to emotional memory during the anticipation of and response to aversion. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, Toronto, Canada.
  49. Cleven, K.L., Mackenrodt, D.B., Sarinopoulos, I., Possin, A.A., & Nitschke, J.B. (2005, June). Neural correlates of a mother's bond to her newborn infant. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, Toronto, Canada.
  50. Sarinopoulos, I., Johnstone, T., Somerville, L.H., Seman, L., Whalen, P.J., Davidson, R.J., Kalin, N.H., & Nitschke, J.B. (2005, November). Neural abnormalities during the anticipation of aversion in generalized anxiety disorder. Poster session presented at the annual meeting of the Society for Neuroscience, Washington, DC.
  51. Kerr, D.L., Schaefer, H.S., Bluske, K.K., Sarinopoulos, I., Steege, E.E., Herrington, J.D., Curtin, J.J., & Nitschke, J.B. (2006, April). Impact of uncontrollability on brain areas activated by the anticipation of disgust and phobogenic snake videos. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
  52. Nitschke, J.B., & Wager, T.D. (2006, June). Imaging the placebo effect. Symposium chaired at the annual meeting of the Organization for Human Brain Mapping, Florence, Italy.
  53. Nitschke, J.B. (2006, June). Neural correlates of manipulating expectations of aversive taste: Implications for placebo. In J.B. Nitschke & T.D. Wager (Chairs), Imaging the

- placebo effect. Symposium presented at the annual meeting of the Organization for Human Brain Mapping, Florence, Italy.
54. Sarinopoulos, I., Mackiewicz, K.L., Steege, E.E., & Nitschke, J.B. (2006, June). Uncertainty heightens amygdala and insula responses to aversive stimuli. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Florence, Italy.
  55. Kerr, D., Sarinopoulos, I., Schaus, A.J., Green, D.E., Curtin, J.J., & Nitschke, J. B. (2006, October). Neural correlates of anticipation and uncontrollability in snake phobia. Poster session presented at the annual meeting of the Society for Neuroscience, Atlanta, GA.
  56. Herrington, J.D., Sarinopoulos, I., Steege, E.E., Lor, M.Y., & Nitschke, J. B. (2006, October). The influence of uncertainty on functional connectivity during the perception of aversive pictures. Poster session presented at the annual meeting of the Society for Neuroscience, Atlanta, GA.
  57. Schaus, A.J., Kerr, D.L., Sarinopoulos, I., Lor, M.Y., Green, D.E., & Nitschke, J.B. (2007, May). Effect of anticipation on memory of emotionally salient stimuli in a clinical population of snake phobics. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, New York City, NY.
  58. Kerr, D.L., Sarinopoulos, I., Schaus, A.J., Green, D.E., & Nitschke, J.B. (2007, June). Impact of controllability on neural activity during anticipation of disgust videos. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, Chicago, IL.
  59. Sarinopoulos, I., Lor, M.Y., Steege, E.E., Mackiewicz, K.L., & Nitschke, J.B. (2007, June). Distinguishing neural responses to aversion and uncertainty. Poster session presented at the annual meeting of the Organization for Human Brain Mapping, Chicago, IL.
  60. Oathes, D.J., Sarinopoulos, I., Lor, M.Y., Kalin, N.H., & Nitschke, J.B. (2007, October). Normalization of amygdala function in generalized anxiety disorder patients following treatment with venlafaxine. Poster session presented at the annual meeting of the Society for Research in Psychopathology, Iowa City, IA.
  61. Oathes, D.J., Sarinopoulos, I., Kalin, N.H., & Nitschke, J.B. (2007, November). Neural activity in anticipation of and in response to both aversive and neutral pictures in generalized anxiety disorder. Poster session presented at the annual meeting of the Society for Neuroscience, San Diego, CA.
  62. Green, D.E., Kerr, D.L., Flink, T.R., Sarinopoulos, I., & Nitschke, J.B. (2008, April). Snake phobics anticipating and responding to snakes: Skin conductance responses and fMRI. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
  63. Nitschke, J.B. (2008, April). The power of expectancy in the human brain. Symposium chaired at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
  64. Nitschke, J.B. (2008, April). Anticipating the worst: Investigating brain mechanisms of anxiety. In J.B. Nitschke (Chair), The power of expectancy in the human brain. Symposium presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
  65. Staples, A., Oathes, D.J., Schmidt, M., Jenson, M., & Nitschke, J.B. (2008, April). Anticipatory anxiety predicts reduced gaze fixation on aversive stimuli in generalized anxiety disorder. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.

66. Miller, N.A., Oathes, D.J., Staples, A., Kral, T., & Nitschke, J.B. (2008, May). Individuals with social anxiety disorder report greater use of expressive suppression. Poster session presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
67. Oathes, D.J., Lee, J.E., Kral, T.R.A., Alexander, A.L., & Nitschke, J.B. (2008, September). Diffusion tensor imaging and chronic worry symptoms in generalized anxiety disorder. Poster session presented at the annual meeting of the Society for Research on Psychopathology, Pittsburgh, PA.
68. Nitschke, J.B. (2008, September). Temporal dynamics of neural processes in anxiety and depression. Symposium chaired at the annual meeting of the Society for Research on Psychopathology, Pittsburgh, PA.
69. Nitschke, J.B., Kerr, D.L., Oathes, D.J., & Sarinopoulos, I. (2008, September). Brain mechanisms of anticipating and responding to emotional stimuli in anxiety disorders. In J.B. Nitschke (Chair), Temporal dynamics of neural processes in anxiety and depression. Symposium presented at the annual meeting of the Society for Research on Psychopathology, Pittsburgh, PA.
70. Oathes, D.J., McFarlin, D.R., Jenson, M.J., Kral, T.R.A., Staples, A.M., & Nitschke, J.B. (2008, November). Neural dynamics of anticipation and response to emotional pictures in generalized anxiety disorder. Paper session presented at the annual meeting of the Society for Neuroscience, Washington, DC.
71. Kerr, D.L., Green, D.E., Oathes, D.J., Flink, T.R., McFarlin, D., & Nitschke, J.B. (2008, November). Neural correlates of anticipation in snake phobia. Paper session presented at the annual meeting of the Society for Neuroscience, Washington, DC.
72. Staples, A., Oathes, D.J., Schmidt, M., Jenson, M., & Nitschke, J.B. (2008, November). Patterns of anticipatory anxiety and avoidance in generalized anxiety disorder. Poster session presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, Orlando, FL.
73. Oathes, D.J., McFarland, D.M., Kral, T.R.A., Jenson, M.J., Sarinopoulos, I., & Nitschke, J.B. (2009, March). The aftermath of affective stimuli: Evidence from fMRI recorded insula and amygdala activity in generalized anxiety disorder. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
74. Kerr, D.L., Green, D.E., & Nitschke, J.B. (2009, June). Relationship between neural activity and skin conductance response during anticipation and viewing of aversive videos in specific phobia. Poster presented at the annual meeting of the Organization for Human Brain Mapping, San Francisco, CA.
75. Oathes, D.J., McFarlin, D.R., Jenson, M.J., Kral, T.R.A., & Nitschke, J.B. (2009, June). Correlations between amygdala activity during the anticipation of aversion and trait worry symptoms in generalized anxiety disorder. Poster presented at the annual meeting of the Organization for Human Brain Mapping, San Francisco, CA.
76. McFarlin, D.R., Kerr, D.L., Green, D.E., Nitschke, J.B. (2009, October). The effect of controllability on context dependent granger causality of snake phobia fMRI data at 400 ms resolution. Poster presented at the annual meeting of the Society for Neuroscience, Chicago, IL.
77. Oathes, D.J., McFarlin, D.R., Kral, T.R.A., & Nitschke, J.B. (2009, October). Anxiety, anticipation, and conditions of uncertainty: Evidence from fMRI in generalized anxiety disorder. Poster presented at the annual meeting of the Society for Neuroscience, Chicago, IL.

78. Hilt, L.M., Oathes, D.J., Green, D.E., Kral, T.R.A., Ferrell, R.E., Hariri, A.R., & Nitschke, J.B. (2009, November). Short allele of the serotonin transporter gene associated with anticipatory activity in the amygdala. Poster session presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, New York City, NY.
79. Nitschke, J.B., Oathes, D.J., Hilt, L.M., Tromp, D.P.M., McFarlin, D.R., & Sarinopoulos, I. (2009, November). Neural mechanisms of anticipatory processing in generalized anxiety disorder. In J. Mohlman (Chair), Universal processes in generalized anxiety disorder – A lifespan neurobiological perspective. Symposium presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, New York City, NY.
80. Nitschke, J.B., Tromp, D.P.M., Oathes, D.J., McFarlin, D.R., Kral, T.R.A., Lee J., & Alexander, A.L. (2009, December). Decreased structural connectivity between frontal and limbic areas in generalized anxiety disorder. Poster session presented at the annual meeting of the American College for Neuropsychopharmacology, Hollywood, FL.
81. Nitschke, J.B., Tromp, D.P.M., Oathes, D.J., McFarlin, D.R., & Sarinopoulos, I. (2010, March). The neuroanatomy of anticipatory and regulatory dysfunction in GAD. In K. Beesdo-Baum & S. Schoenfeld (Chairs), Improving understanding of Generalized Anxiety Disorder: What can we learn from epidemiological, experimental and clinical studies? Symposium presented at the annual meeting of the Anxiety Disorders Association of America, Baltimore, MD.
82. Nitschke, J.B. (2010, May). White matter and genetic contributions to regulation deficits affecting anticipatory brain function in generalized anxiety disorder. In A. Etkin (Chair), Implicit emotion regulation: Basic mechanisms and clinical relevance. Symposium presented at the annual meeting of the Society of Biological Psychiatry, New Orleans, LA.
83. Grupe, D.W., Oathes, D.J., McFarlin, D.R., & Nitschke, J.B. (2010, June). Modeling eye gaze data enhances statistical power to detect neural responses to emotional pictures. Poster presented at the annual meeting of the Organization for Human Brain Mapping, Barcelona, Spain.
84. Grupe, D.W., Tromp, D.P.M, Oathes, D.J., Kral, T.R.A., Adams, M., & Nitschke, J.B. (2010, November). BDNF polymorphism contributes to altered structural connectivity in generalized anxiety disorder. Poster presented at the annual meeting of the Society for Neuroscience, San Diego, CA.
85. Duda, R.E., Kerr, D.L., McLaren, D.G., & Nitschke, J.B. (2010, November). Context-dependent connectivity of the ventral medial prefrontal cortex for controllable aversive stimuli in snake phobia. Poster presented at the annual meeting of the Society for Neuroscience, San Diego, CA.
86. Frei, E.R., Oathes, D.J., Kral, T.R.A., & Nitschke, J.B. (2010, November). The prominence of insomnia in gad compared to other anxiety and mood disorders: An exploration of symptom-level relationships. Poster session presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.
87. Oathes, D.J., Siegle, G.J., Ray, W.J., Bruce, J.B., & Nitschke, J.B. (2010, November). Psychophysiological evidence that worry is a symptom of general avoidance tendencies in chronic worriers and in generalized anxiety disorder. In S. Llera & M.G. Newman (Chairs), Scientific exploration of emotional functioning in generalized anxiety disorder: Emphasis on the nature and pathogenic mechanisms. Symposium presented at the annual meeting of the Association for Behavioral and Cognitive Therapies, San Francisco, CA.
88. Nitschke, J.B., Oathes, D.J., Hilt, L., McFarlin, D.R., & Grupe, D.W. (2010, December). Altered anticipatory amygdala activity in generalized anxiety disorder is linked to genetic

- variation of the serotonin transporter. Poster session presented at the annual meeting of the American College for Neuropsychopharmacology, Miami, FL.
89. Oathes, D.J., Siegle, G.J., Ray, W.J., Lambert, J., Schatzberg, A.F., Nitschke, J.B., & Etkin, A. (2011, March). Behavioral and physiological discrimination of generalized anxiety disorder from major depressive disorder. In D. Mennin & G. Hajcak (Chairs), Are GAD and MDD distinct? Utilizing laboratory methodologies to address diagnostic convergence and divergence. Symposium presented at the annual meeting of the Anxiety Disorders Association of America, New Orleans, LA.
  90. Grupe, D.W., Oathes, D.J., McFarlin, D.R., & Nitschke, J.B. (2011, June). Phasic and sustained activation of the anterior insula during the anticipation of aversion. Poster presented at the 17th annual meeting of the Organization for Human Brain Mapping, Quebec City, Canada.
  91. Hernandez, P.J., Moreno, J., Bedlin, B.B., & Nitschke, J.B. (2011, November). Reduced micro-structural integrity in generalized anxiety disorder: A voxel-wise DTI study utilizing DARTEL registration. Poster session presented at the annual meeting of the Society for Neuroscience, Washington D.C.
  92. Grupe, D.W., Oathes, D.J., & Nitschke, J.B. (2012, April). Dissociable neural networks support distinct components of aversive anticipation. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, Chicago, IL.
  93. Grupe, D.W., Oathes, D.J., McFarlin, D.R., & Nitschke, J.B. (2012, November). Uncertainty modulates anticipatory anterior insula activity in generalized anxiety disorder. Nanosymposium presented at the annual meeting of the Society for Neuroscience, New Orleans, LA.
  94. Nitschke, J.B. (2012, December). Frontolimbic connectivity in generalized anxiety disorder. In J. Blackford & N.H. Kalin (Chairs), Anxiety disorders: New evidence for structural and functional connectivity abnormalities. Symposium presented at the annual meeting of the American College for Neuropsychopharmacology, Hollywood, FL.
  95. Grupe, D.W., Seppala, E., Davidson, R.J., & Nitschke, J.B. (2013, April). Modulation of anticipatory threat activity by temporal predictability in combat-exposed veterans with and without PTSD. Poster session presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
  96. Seppala, E., Akhtar, M., Hayes, A., Nitschke, J.B., & Davidson, R.J. (2013, April). Breathing-based meditation intervention for PTSD in veterans recently returned from Iraq and Afghanistan: A randomized controlled pilot study. Poster session presented at the annual meeting of the Western Psychological Society, Reno, NE.
  97. Grupe, D.W., Wielgosz, J., Seppala, E., Davidson, R.J., & Nitschke, J.B. (2014, March). Individual differences in PTSD symptoms and the neural correlates of unpredictable threat anticipation. Symposium presentation at Anxiety and Depression Conference, Chicago, IL.
  98. Grupe, D.W., Wielgosz, J., Nitschke, J.B., & Davidson, R.J. (2014, November). Distinct medial prefrontal mechanisms associated with perceived threat bias and hyperarousal symptoms in OEF/OIF veterans. Poster presented at the 44th annual meeting of the Society for Neuroscience, Washington, DC.
  99. Grupe, D.W., Hushek, B., Schoen, A.J., Nitschke, J.B., & Davidson, R.J. (2016, May). Perceived threat bias and hippocampus volume in trauma-exposed veterans. Poster presented at the 71st Annual Convention of the Society of Biological Psychiatry, Atlanta, GA.

100. Grupe, D.W., Wielgosz, J., Imhoff-Smith, T.P., Nitschke, J.B., & Davidson, R.J. (2017, May). Respiratory sinus arrhythmia and ventromedial prefrontal function in veterans with posttraumatic stress symptoms. Oral presentation at the 72nd Annual Convention of the Society of Biological Psychiatry, San Diego.