

CURRICULUM VITAE

Revised 7/21/23

Name: J. Douglas Bremner, M.D.

Office Address: 12 Executive Park NE, Rm 333, Atlanta, GA 30329.
Telephone: (404) 712-9569; Fax: (404) 712-8442

E-mail address: jdbremn@emory.edu

Birth Place:

Topeka, Kansas

Citizenship:

United States

Current Titles and Affiliations:

Academic appointments:

Primary appointments:

Professor with Tenure of Psychiatry and Behavioral Sciences, Emory University School of Medicine, 2006-present

Joint and secondary appointments:

Professor of Radiology, Emory University School of Medicine, 2006-present
Faculty Member, Neuroscience Graduate Program, Graduate Division of Biological & Biomedical Sciences (GDBBS), Laney Graduate School of Arts & Sciences, Emory University, 2005-present

Clinical appointments:

Attending Physician, Emory University Hospital and Emory Clinic, 2001-present
Staff Psychiatrist, Atlanta VAMC, 2001-present

Other administrative appointments:

Director, Emory Clinical Neuroscience Research Unit, 2001-present

Previous Academic and Professional Appointments:

1991-1992 Medical Director, Inpatient Unit, National Center for PTSD, West Haven, CT

1992-96 Assistant Professor, Department of Psychiatry, Yale University School of Medicine

1993-1996 Associate Investigator, VA Career Development Award Program, West Haven VA Medical Center, West Haven, CT

1997-2000 Assistant Professor, Departments of Diagnostic Radiology and Psychiatry, Yale University School of Medicine

1997 Clinical Associate Physician, NIH-sponsored GCRC

1997-2001 Research Physician (Level II), VA Career Development Award Program

2000 Associate Professor in the Tenure Track, Departments of Diagnostic Radiology and Psychiatry, Yale University School of Medicine

2001-2006 Associate Professor of Psychiatry and Radiology, Emory University School of Medicine

Previous Administrative Appointments:

1997-2000 Director, Yale Trauma Research Program

1998-2000 Associate Director, Yale/VA PET Center

2001-2006 Director, Emory Center for Positron Emission Tomography

2001-2012 Director, Mental Health Research, Atlanta VAMC

Licensures/Boards:

Georgia Medical Licensure, # 049509

Specialty Boards:

Board Certification in Psychiatry and Neurology (1998, renewed 2008, 2018);
Board Certification in Nuclear Medicine (2001)

Education:

B.A. with Honors, English Literature and Core Curriculum in the Classics,
University of Puget Sound, Tacoma, Washington, 1983

M.D., Duke University School of Medicine, Durham, North Carolina, 1987

Postgraduate Training:

- 1985-1986 Research Fellowship in the Laboratory of Reproductive
Endocrinology, Department of Medicine, University of
Washington School of Medicine & Seattle VAMC
- 1987-1988 Medical Intern, Greenwich Hospital Association, Yale University
School of Medicine, Greenwich, CT
- 1987-1991 Residency in Psychiatry, Yale University School of Medicine,
New Haven, CT
- 1990-1993 VA Psychiatry and Clinical Neurosciences Fellowship, West
Haven VA Medical Center, West Haven, CT
- 1995-1997 Residency in Nuclear Medicine, Department of Diagnostic
Radiology, Yale University School of Medicine, New Haven CT

Military or Government Service:

- 1990-1993 VA Psychiatric Research/Neurosciences Fellow, West Haven VA
Medical Center, West Haven, CT

- 1993-1996 Associate Investigator, VA Career Development Award Program, West Haven VA Medical Center, West Haven, CT
- 1997-2001 Research Physician (Level II), VA Career Development Award Program
- 2001-present Staff Physician, 6/8 time, Atlanta VAMC

Committee Memberships:

National and International:

Scientific Advisory Boards & Organizations

- Scientific Advisory Board, Anxiety Disorders Association of America (ADAA), 1998-2008
- Publications Committee, ADAA, 2002-2008
- Program Committee, ADAA, 2003
- Program Committee, International Society for Traumatic Stress, 2005
- Brain Imaging Working Group Committee, Rome Foundation for the Study of Functional Gastrointestinal Disorders, 2005
- Founding Member, Academy for Research on Traumatic Stress (ARTS), 2004
- Planning Committee for Brain Imaging in Gulf War Illness, Veterans Administration, 2003-2007
- Research Advisory Board, One Freedom, 2008-present
- American Psychological Association, Division 32, Humanistic Psychology, Member 2012-present
- Member, Researching the Effects of Covid to Enhance Recovery (RECOVER) Neuropsychiatric Pathobiology Task Force, 2022-present

Scientific Review Committees

- Member, Veterans Administration (VA) Merit Review Subcommittee for Mental Health and Behavioral Sciences (MHBS), 2003-2006
- VA Merit Review Committee, Ad hoc reviewer, 1995-2003
- VA Psychiatry/Clinical Neurosciences Fellowships, Ad hoc reviewer, 1995-2003
- VA Career Development Awards, Ad hoc reviewer, 1995-2003
- Member, VA Research Career Development Award Committee, 2007
- National Institute of Health, Center for Scientific Review (NIH CSR), Member, Special Emphasis Panels: ZRG1 SSS-C-01 Childhood neglect, 2000; ZMH1 ERB-s(11) HIV and Psychiatric Comorbidity, 6/29/05
- NIH CSR Temporary Member, Developmental Disabilities and Child Psychopathology Study Section, Biobehavioral and Behavioral Processes 6 (BBBP-6) IRG, 2002-2003; BBBP-2 (later MESH) 2003
- Member, NIH CSR Bio-behavioral Mechanisms of Emotion, Stress and Health (MESH) Study Section 2004-2008

The Wellcome Trust (UK); Ad hoc reviewer, 1998-2003

Seattle Epidemiology Research and Information Center (ERIC), ad hoc reviewer, 2002

Medical Research Council (UK), ad hoc reviewer, 2002-2004

GeesKracht, Netherlands Organization for Scientific Research, ad hoc reviewer, 2002-2004

Canadian Institute for Health Research, ad hoc reviewer, 2002-2004

Swiss Research Foundation, ad hoc reviewer, 2002-2004

Israeli Science Foundation, ad hoc reviewer, 2003-2004

US Army Medical Research and Materiel Command, and Congressionally Directed Medical Research Program (CDMRP), Deployment Related Medical Research Program, Psychological Health/Traumatic Brain Injury, Scientific Review Committee, 2008

NIH CSR Member, CSR ZRG1 BBBP-J Study Section, May 7, 2012, RFA HL-12-037: Mechanistic Pathways Linking Psychosocial Stress and Behavior (R01).

NIH Heart, Lung and Blood Program Project Review Group committee member, 10/12/2015.

Veterans Administration Mental Health and Behavioral Sciences 1 (MHBA 1) Merit Review committee member, 12/3/2015.

NIMH Special Emphasis Panel ZMH1 ERB-X (02), NRSA Institutional Training T32 Review Group member, 9/22/16.

NIMH Special Emphasis Panel ZMH1 ERB-D (05), Exploratory Clinical Trials of Novel Interventions for Mental Disorders (R61/R33) Review Group member, 1/31/17.

NIMH ZMH1 ERB-X (01), NRSA Institutional Research Training (T32) Review Group member, 9/28/17.

NIMH Special Emphasis Panel ZMH1 ERB-D (05), Exploratory Clinical Trials of Novel Interventions for Mental Disorders (R61/R33) Review Group member, 2/13/18.

Medical Research and Materiel Command (MRMC), United States Army, grant review, 2/7/19. 2019 MRMC Broad Agency Announcement for Extramural Medical Research, Military Operational Medicine Research Program (MOMRP)

NIMH Special Emphasis Panel, ZMH1 ERB-S (07), Early Phase Clinical Trials – Pharma/Device and K Awards, Review Group Member, 7/09/2019

United Kingdom Research and Innovation (UKRI) Ideas to Address COVID-19 Research Program, grant reviewer 8/31/2020.

NIH Heart; Lung and Blood Program Project Review Special Emphasis Panel, HLBP (1), Agenda Seq Num – 430013, Review Group Member, 10/12/2021

Chair, NIH CSR Scientific Review Panel IMST-U70. RFA-RM-22-002: Vagus Nerve Stimulation Endpoints from Standardized Parameters (VESPA) SPARC Program, June 16, 2022.

Member, NIH Heart; Lung and Blood Program Project Review Special Emphasis Panel, Review Group Member, ZHL1 PPG-K (J1). Agenda Seq Num - 457174 Stress, immune reprogramming, and CVD, October 24, 2022.

National Institute of Health Sponsored Workshops as Participant
Aging and Anxiety Disorders, NIMH, Bethesda MD, March 12, 1996.
Early Responses to Trauma, NIMH, Bethesda, MD, Nov. 15-16, 2001.
Fibromyalgia: New Advances, NIAMSD, November 11-12, 2004

Regional and State:

Institutional:

Director, Emory Center for Positron Emission Tomography (PET), 2000-2006;
Emory Advanced Imaging Research Center Executive Committee, 2000-2006;
Nuclear Medicine Faculty Search Committee 2002;
Emory Office of the Provost's Program for Manuscript Development Advisory Committee, 2002-present
Emory Georgia Tech Biomedical Engineering Research Strategic Planning Committee, 2003
Emory Strategic Planning Committee for Molecular Imaging, 2004
Atlanta VAMC Research and Development Committee, 2004-present
Steering Committee for Research Institute for Predictive Health, Emory University and Georgia Institute of Technology, 2004-2005
Predictive Health and Society Brainstorming Committee, 2005
Emory Center for Wellness and Predictive Health Planning Committee, 2005-2008
Emory Georgia Tech Biomedical Imaging Technology Core (BITC), Imaging Research Committee, 2005-present
Emory University Department of Psychiatry Promotions Committee, 2012-present
Emory University Department of Psychiatry Research Committee, 2012-present
Emory University Synergy Research Program, grant reviewer, 8/12/21

Consultantships:

National Institute of Mental Health, Japan, 2004-2006

Editorships and Editorial Boards:

Editorial Board, *Biological Psychiatry*, 1997-2007;

Advisory Editorial Committee for Diagnostic and Statistical Manual IV (Dissociative Disorders Section), 2000.
Editorial Board, *Neuropsychopharmacology*, 2001-2007;
Editor, Brain Imaging Section, *Psychopharmacology Bulletin*, 2002-2007;
Editorial Board, *Biomed Central Psychiatry* 2002-2007
Editorial Board, *Journal of Trauma and Dissociation*, 2004-present;
Editorial Board, *Psychological Trauma, Theory, Research, Practice and Policy*, 2008-present
Editorial Board, *Psychosomatic Medicine*, 2010-present

Manuscript Reviewer:

Aging Health
Alcohol and Alcoholism 1999-present
American Journal of Psychiatry 1993-present
Archives of General Psychiatry 1998-present
Atherosclerosis 2020-present
Behavioural Brain Research
Biological Psychiatry 1995-present
Biomed Central Psychiatry 2008-present
Brain 1995-present
Brain, Behavior, & Immunity – Health 2020-present
Brain Imaging and Behavior 2010-present
Brain Research 1995-present
Brain Research Bulletin 1996-present
Cerebral Cortex Communications 2010-present
CNS Spectrums 2003-present
Cognitive Neuropsychiatry 2001-present
Depression and Anxiety 1997-present
Development and Psychopathology 1998-present
Epilepsia 1999-present
European Journal of Psychotraumatology 2020-present
European Neuropsychopharmacology 2006-present
Frontiers in Neurology 2010-present
Frontiers in Psychiatry 2019-present
Human Brain Mapping 2007-present
Journal of Abnormal Psychology 2010-present
Journal of Affective Disorders 2010-present
Journal of the American Medical Association 2003-present
Journal of Clinical Psychiatry 1995-present
Journal of Clinical and Social Psychology 1995-present
Journal of the European Academy of Dermatology and Venereology 2010-
Journal of Nervous and Mental Disease 1993-present
Journal of Neural Transmission 1998-present
Journal of the Neurological Sciences 2020-present

Journal of Neuropsychiatry and Clinical Neurosciences 1997-present
Journal of Psychiatric Research 2004-present
Journal of Psychiatry and Neuroscience 2017-present
Journal of Social and Clinical Psychology 2001-present
Journal of Trauma and Dissociation 2004-present
Journal of Traumatic Stress 1993-present
Molecular Psychiatry 2001-present
Nature 2017-present
Neuroimage 2017-present
Neuron 2003-present
Neuropsychopharmacology 1999-present
Neuroscience 1998-present
Neuroscience & Biobehavioral Reviews
Nutrients 2020-present
Proceedings of the National Academy of Sciences USA 1999-present
Psychiatry Research 1994-present
Psychiatry Research: Neuroimaging 1996-present
Psychological Trauma, Theory, Research, Practice and Policy
Psychoneuroendocrinology 2001-present
Psychopharmacology 1999-present
Psychosomatic Medicine 2003-present
Science: Translational Medicine 2018-present

Honors and Awards:

Coolidge Otis Chapman Scholar Award, 1983;
Seymour Lustman Award for Research Performed During Residency Education.
Department of Psychiatry, Yale University School of Medicine, 1991;
Veterans Administration Fellowship Award for Biological Research in
Psychiatry, 1991-1993;
Veterans Administration Career Development Award (Associate Investigator),
1993-1996;
Fellow, Academy of Research on Traumatic Stress (ARTS), 1994
Chaim Danieli Young Professional Award for Excellence in Service and Research
in the Field of Traumatic Stress, International Society for Traumatic Stress
Studies, 1996;
NIH-sponsored General Clinical Research Center (GCRC) Clinical Associate
Physician (CAP) Award, 1997;
National Alliance for Research on Schizophrenia and Depression (NARSAD)
Young Investigator Award, 1997-1999;
Veterans Administration Career Development Award (Level II), 1997-2001;
VA Merit Award 1998-2002, 2002-2007;
2004 Essential Science Indicators featured interview as most highly cited
investigators in PTSD ([http://www.esi-
topics.com/ptsd/interviews/JDouglasBremner.html](http://www.esi-topics.com/ptsd/interviews/JDouglasBremner.html))

National Alliance for Research on Schizophrenia and Depression (NARSAD)
Independent Scientist Award, 2004-2006;
van Ameringen Scholar, 2004-present
Induction into Academy of Research on Traumatic Stress, 2008
American Foundation for Suicide Prevention (AFSP) Award, 2005-2006
Phi Kappa Phi Forum Research Scholar Award, 2006
Emory University Millipub Club Award 2011 (1000 citation paper): 1994
Archives of General Psychiatry Subanesthetic effects of ketamine in humans.
Quarterfinalist in the PAGE International Screenwriters Awards, 2012
Finalist in the Charleston International Film Festival Screenwriters Awards, 2012
Marqui's Who's Who in America, 2005-present
Who's Who in Healthcare and Medicine, 2009-present
Induction into Academy of Behavioral Medicine, 2014
Emory University School of Medicine Department of Psychiatry Mentoring
Award for Research, 2016
Fellow, Academy of Behavioral Medicine Research (ABMR), 2016
National Alliance for Research on Schizophrenia and Depression (NARSAD)
Distinguished Investigator Award, 2017
Emory University Millipub Club Award 2018 (1000 citation paper), Emory
University, 2016 European Archives of Psychiatry and Clinical Neuroscience *The
enduring effects of abuse and associated adverse experiences in childhood:
Convergence of findings from neuroscience and epidemiology.*
Emory University Millipub Club Award 2019 (1000 citation paper): 2000
American Journal of Psychiatry *Hippocampal volume reduction in major
depression.*
Emory University Millipub Club Award 2019 (1000 citation paper): 1995
American Journal of Psychiatry, *MRI-based measurement of hippocampal volume
in patients with combat-related posttraumatic stress disorder.*

Society Memberships:

Society for Nuclear Medicine, 1992-2003;
International Society for Traumatic Stress Studies, 1992-present;
Society for Biology Psychiatry, 1997-2003;
Society for Neuroscience, 1992-2003;
Anxiety Disorders Association of America, Member of Scientific Advisory
Board, 1998-2006;
Associate Member, American College of Neuropsychopharmacology, 1998-2002;
Member, American College of Neuropsychopharmacology, 2002-present.
Founding Member, Academy of Research on Traumatic Stress (ARTS), 2004
Vice President, Academy of Research on Traumatic Stress (ARTS), 2004-present
Fellow, Academy of Behavioral Medicine, 2014-present
Member, American Psychosomatic Society, 2014-present

Organization of National or International Conferences:

Administrative positions:

- Lake George Conference on Posttraumatic Stress Disorder, Co-organizer, 1996.
- Academy for Research on Traumatic Stress Lake George PTSD Meeting, Co-organizer, 2006.
- Co-organizer of “Psychological Stress and the Heart,” sponsored by the Emory Clinical Cardiovascular Research Institute (ECCRI), the Division of Cardiology, and the Department of Psychiatry in the Emory University School of Medicine and the Department of Epidemiology in the Rollins School of Public Health at Emory University, Atlanta, GA, October 18, 2013.
- Founder and Director of Callaway Homecoming Initiative, a joint program of the Callaway Gardens Foundation, Fort Benning Maneuver Center of Excellence, and Emory University. A pilot 10 day program for soldiers returning from Iraq and Afghanistan and their families. Callaway Gardens, Pine Mountain, GA, 2011-2012.
- Founder and Director of START NOW Seminars “Guiding Clients in Recovery from Psychological Trauma” Sep 12-13, 2015, Atlanta, Georgia.

Sessions as chair:

- “Trauma and Dissociation” (Bremner, Chair) American Psychiatric Association Annual Meeting, May 1992
- “Effects of Traumatic Stress on Memory” (Bremner, Chair) International Society for Traumatic Stress Studies Annual Meeting, November 1992
- “Long Term Effects of Traumatic Stress on Memory” International Society for Traumatic Stress Studies Annual Meeting, November 1993
- “Effects of early stress on the brain” (Bremner & Charney, Chairs) American College of Neuropsychopharmacology Annual Meeting, San Juan PR, Dec 11-15, 1993.
- “PET Brain Imaging Studies in Depression” (Bremner & Charney, Chairs), American College of Neuropsychopharmacology Annual Meeting, San Juan PR, Dec 11-15, 1995.
- “Devastating Effects of Childhood Abuse on Mind and Brain” Chair of Symposium at American Psychiatric Association Annual Meeting, Toronto, Canada, May 25, 1998.
- Symposium “Neural Plasticity in Health and Disease” Co-chair, American College of Neuropsychopharmacology, Annual Meeting, Puerto Rico, Dec 7, 1998.
- Co-Chair of All-Day Panel Session, “Stress, Hormones, and Neural Circuits: Basic and Clinical Perspectives”. American College of Neuropsychopharmacology Annual Meeting, Acapulco, Mexico, Dec. 12-16, 1999.
- Co-chair of symposium “HPA axis and neuroanatomical findings in PTSD” American Psychiatric Association Annual Meeting, Chicago IL, May 15-19, 2000.

- Co-Chair of symposium “Assessment and Treatment of PTSD in Children and Adults” Clinical Educational Symposium Co-chairs JD Bremner & Phillip Saigh, Annual Meeting of the Anxiety Disorders Association of America, Atlanta GA, March 22-25, 2001.
- Chairman of paper session “New Research in PTSD” Annual Meeting of the Anxiety Disorders Association of America, Atlanta GA, March 22-25, 2001.
- Co-chair of symposium “Childhood Sexual Abuse: Perpetrators and Victims” American Psychiatric Association Annual Meeting, New Orleans, LA May 3-7, 2001.
- Chair of Symposium: “Neural Mechanisms in Posttraumatic Stress Disorder” Annual Meeting of the International Society of Traumatic Stress Studies, New Orleans, LA, Dec. 6, 2001.
- Co-chair of symposium “Neurobiology of Trauma related Disorders” World Psychiatry Congress Meeting, Yokohama Japan, Aug 26-29, 2002.
- Chair of symposium “Common Circuits in Depression and Anxiety: Evidence from Neuroimaging Studies” Anxiety Disorders Association of America Annual Meeting, Toronto, Canada, March 26-9, 2003.
- Co-Chair of Symposium “Limbic and Prefrontal Circuits in Borderline Personality Disorder” Annual Meeting of the Society of Biological Psychiatry, San Francisco CA, May 15 2003.
- Chair of Symposium “The Role of Dissociation in Trauma-related Altered Cognitive Functions” Annual Meeting of the International Society for Traumatic Stress Studies” Hollywood CA, Nov 4-7, 2006.
- “Mechanisms in resilience and recovery from traumatic stress, Annual Meeting of the International Society for Traumatic Stress Studies” Hollywood CA, Nov 4-7, 2006.
- Chair of ‘Effects of Trauma on Neurobiology and Physical Health,’ Symposium at European Conference on Traumatic Stress, Opatija, Croatia, June 9, 2007.
- Chair of session “Alpha/theta neurofeedback”, Joint SAN/COST B27 Training Schools on Neurofeedback and ADHD & International Course and Conference MIND AND BRAIN VI: Neuroplasticity of Brain and Behavior, April 16-21, 2009, Dubrovnik, Croatia.
- Co-chair of session “Information Processing and PTSD: Cognitive Research Across Different Stages of Processing” International Society of Traumatic Stress Studies, Annual Meeting, Atlanta GA, Nov 4-8, 2009
- Chair of session “Guiding Clients in Recovery from Psychological Trauma” Sep 12-13, 2015, Atlanta, Georgia.
- Chair of panel, “Mechanisms of Posttraumatic Stress Disorder and Cardiovascular Disease: Is it the Chicken or the Egg?” Annual Meeting of the American Psychosomatic Society, Vancouver, British Columbia, Canada, March 6-9, 2019.

Research Focus:

I performed the first neuroimaging studies in PTSD measuring hippocampal volume, leading myself and two co-authors to be listed by ISI as the most highly cited investigators in PTSD in the world. Studies using positron emission tomography (PET)

mapped the neural correlates of depression and PTSD. Other studies looked at the effects of treatments for PTSD on the brain and cognition and at mechanisms in the effects of stress and psychiatric disorders on heart disease.

Patents:

- a. Issued: None
- b. Pending: None

Grant Support:

Active support:

1. Federally funded:

UH3 DA048502 (Bremner, Inan) 5/1/23-4/30/26 3.6 calendar months
NIH/NIDA \$6,059,420
Non-invasive Vagal Nerve Stimulation in Patients with Opioid Use Disorders

This project assesses the effects of non-invasive vagal nerve stimulation on opioid withdrawal and physiological outcomes including brain imaging in patients with opioid use disorders.

Role: PI

I01 RX003418-01 (Bremner) 11/1/20-10/31/25 3.6 calendar months
VA Rehab R&D Merit Review \$300,000 (\$1,200,000 total)
Non-invasive Vagal Nerve Stimulation in Veterans with Mild Traumatic Brain Injury

This project assesses the effects of non-invasive vagal nerve stimulation on memory and physiological outcomes including brain imaging in mild traumatic brain injury and co-morbid PTSD.

Role: PI

R01 HL109413 (Vaccharino) 08/15/19 – 07/14/24 1.2 calendar months
NIH/NHLBI \$778,272
Mental Stress and Myocardial Ischemia After MI: Sex Differences, Mechanisms and Prognosis

This project assesses risk factor, mechanisms and sex differences in stress-induced myocardial ischemia in patients with Coronary Artery Disease.

Role: Co-investigator

HR001122S0032 (Bremner) 2/1/23-4/30/26 0.96 calendar months
DARPA: Neural Aggregate Tool (NEAT) \$869,840
Preconscious Signal Compilation for Robust and Individualized Belief Evaluation
(PRESCRIBE)

This project is a multi-institutional collaboration with Charles River Laboratories (PI: Bracken), Tufts University, University of Washington, Emory University and the Georgia Institute of Technology that looks at physiological correlates of preconscious linguistic determinations.

Role: Emory PI

I01 CX001065 (Park) 10/01/19 – 9/30/23 1.5 calendar months
VA Merit Review \$300,000
Mechanisms of Sympathetic Overactivity in Posttraumatic Stress Disorder

This project assesses sympathetic activity in peripheral nerves in patients with PTSD

Role: Co-investigator

(Park) 10/01/19 – 9/30/23 1.5 calendar months
VA Merit Review \$300,000
PTSD and CVD Risk: Role of Sympathetic Overactivity and Angiotensin II

This project assesses risk of PTSD and CVD relative to sympathetic and angiotensin activity.

Role: Co-investigator

R01 MH120262 (Bremner) 8/11/20-5/31/24 3.6 calendar months
NIH/NIMH \$540,063 (\$3,078,445 total costs)
Dopamine Function, Inflammation and Connectivity in PTSD

This project assesses the effects of a stress task on dopamine function, inflammation and brain connectivity using brain imaging and measurement of blood inflammatory markers in patients with posttraumatic stress disorder (PTSD).

Role: MPI

UG3 DA048502 (Bremner, Inan) 8/15/20-7/31/23 4.2 calendar months
NIH/NIDA \$203,559 (\$739,505 total)
Non-invasive Vagal Nerve Stimulation in Patients with Opioid Use Disorders

This project assesses the effects of non-invasive vagal nerve stimulation on craving and physiological outcomes including brain imaging in patients with opioid use disorders.

Role: PI

UG3 DA048502-S (Bremner) 9/1/21-8/31/22 0 calendar months
NIH/NIDA \$76,863
Non-invasive Vagal Nerve Stimulation in Patients with Opioid Use Disorders-supplement

This is a Diversity Supplement to the funded NIDA project to support a post-doctoral research fellow on the project

Role: PI

R01 HL155711 (Shah) 7/1/21-6/31/26 1.2 calendar months
NIH \$461,785 (\$3,869,949 total)

Association of Posttraumatic Stress Disorder with Cardiac Electrical Instability: A Twin Study

This project assesses cardiac electrical function in daily life in patients with PTSD and Coronary Artery Disease.

Role: Co-I

R01 HL157311 (Mehta) 9/1/21-8/30/26 1.2 calendar months
NIH/NHLBI \$618,148 (\$3,161,067 total)

Mental Stress Reactivity in Women with Coronary Microvascular Dysfunction.

This project assesses mechanisms by which stress affects coronary microvascular dysfunction in women.

Role: Co-I

I01 CX002331 (Bremner) 10/1/22-9/30/26 1.5 calendar mo (VA)
VA CSR&D Merit Review \$300,000 (\$1,200,000 total)

Transcutaneous Vagal Nerve Stimulation in Veterans with Posttraumatic Stress Disorder

This project assesses the effects of non-invasive vagal nerve stimulation on memory and physiological outcomes including brain imaging in veterans with PTSD without mTBI.

Role: PI

Department of Defense (Park) 7/1/22-6/31/26 0.6 calendar months
(VA)

DOD \$1,565,000

Elucidating Mechanisms of Hypertension in Posttraumatic Stress Disorder (PTSD).

This project looks at sympathetic nervous system function in PTSD

Role: Co-investigator

R01 R01HL163998 (Vaccarino, Shah) 3/1/23-2/31/28 0.6 calendar months
NIH \$5,580,402

Investigation of Sex and Gender Differences in Cardiovascular Risk in Rural Communities

The purpose of this project is to assess sex and gender as factors in cardiovascular risk in rural communities.

Role: Co-I

2. Private Foundations and Industry

None

Pending

GW200067 (Giordano) 2/1/22-1/30/24 1.2 calendar months
U.S. Army Medical Research and Development Command
Congressionally Designated Medical Research Programs (CDMRP)
Gulf War Illness Research Program \$499,749 (\$742,646 total)
Validating the Role of C-Reactive Protein in the Maintenance of Pain and Sleep
Disturbance Symptom Clusters Among Veterans Living With Gulf War Illness

This project assesses pain, sleep and biomarkers in veterans with Gulf War Illness.
Role: Co-I.

UG3NS120639 (Bremner) 2/1/21-1/31/26 2.85 calendar months
NIH \$533,146 (\$3,951,752)
Stellate Ganglion Block for Chronic Pain

The purpose of this project is to assess the effects of Stellate Ganglion Block (SGB) in patients with co-morbid Complex Regional Pain Syndrome (CRPS) and Posttraumatic Stress Disorder (PTSD). The UG3 phase compares SGB to placebo looking at pain response in a pilot study and based on achieving the Go-No Go criteria progresses to the UH3 with a larger sample of CRPS-PTSD patients comparing SBG to placebo with measures of pain and PTSD as well as blood biomarkers and brain function measured with resting state functional magnetic resonance imaging as outcomes.

Role: PI

R61 NS120204 (Bremner) 11/1/20-10/31/25 3.8 calendar months
NIH \$499,992
Nerve Growth Factor as a Biomarker for Chronic Pain

The purpose of this project is to assess Nerve Growth Factor (NGF) as a biomarker for chronic pain in patients with co-morbid Complex Regional Pain Syndrome (CRPS) and Posttraumatic Stress Disorder (PTSD). Patients with CRPS-PTSD undergo Stellate Ganglion Block (SGB) or placebo with assessment of NGF, pain and PTSD symptoms after treatment.

Role: PI

R01 MH114096 (Sun) 12/1/23-11/30/27 0.6 calendar months
NIH/NIMH \$234,000
Epigenomic and Metabolomic Markers Linking Sociobehavioral Exposures and
Depression Risk among Transwomen

This grant is a response to “Social Epigenomics Research Focused on Minority Health and Health Disparities” (PAR-19-372). This study uses a multi-omics study design and emphasize the social factors influencing epigenome and depression in 280 transwomen with 1 year follow-up. This grant received an Impact Score of 46 and percentile of 45 and the revision and resubmission is currently under review.

Role: Co-investigator

R01 HL 146396 (Mehta, Bremner, MPIs) 7/1/21-6/30/26 4.2
calendar months
NIH/NHLBI \$618,148 (\$3,161,067 total)
Central Nervous System and Autonomic Reactivity in No Obstructive Coronary Artery
Disease.

This project assesses central correlates of angina in patients without coronary artery obstruction. Impact score 35.

Role: Co-investigator

Previous support:

UG3 DA048502 (Bremner, Inan) 8/15/20-7/31/23 4.2 calendar months
NIH/NIDA \$203,559 (\$739,505 total)
Non-invasive Vagal Nerve Stimulation in Patients with Opioid Use Disorders

This project assesses the effects of non-invasive vagal nerve stimulation on craving and physiological outcomes including brain imaging in patients with opioid use disorders.

Role: PI

UG3 DA048502-S (Bremner) 9/1/21-8/31/22 0 calendar months
NIH/NIDA \$76,863
Non-invasive Vagal Nerve Stimulation in Patients with Opioid Use Disorders-
supplement

This is a Diversity Supplement to the funded NIDA project to support a post-doctoral research fellow on the project

Role: PI

DoD STTR Army A21c-t024-0283 (Euliano) 5/1/22-11/30/22 0.6 calendar months
Department of Defense (DOD) \$61,664
Small Business Technology Transfer (STTR)
Transcutaneous Vagal Nerve Stimulation for Acute Stress Reactions
FOA: W81XWH-21-S-TBIPH1

This is a subcontract from Evren Technologies to Emory University. In Phase 1 parameters of the effects of transcutaneous Vagal Nerve Stimulation on stress and performance are explored. Role: Emory Site PI

R01 HL136205 (Vaccarino) 03/17/17 – 02/16/23 1.2 calendar months
NIH/NHLBI \$773,982

Sleep Disturbance as a Mechanism for Ischemic Heart Disease in PTSD

The purpose of this project is to examine the association between objective measures of sleep and cardiovascular disease in twins with and without PTSD and ischemic heart disease.

Role: Co-investigator

UG3 DA048502-01A1S1 (Bremner) 6/1/21-7/30/21 0.3 calendar months
NIH/NIDA \$13,728

Non-invasive Vagal Nerve Stimulation in Patients with Opioid Use Disorders-
Supplement Summer Internship

This project funds a summer intern to work on the parent project.

Role: PI

Investigator Initiated Research (Bremner) 4/2/18-9/30/20 1.2 calendar months
ElectroCore LLC \$76,069

Pilot Feasibility Project of Non-invasive Vagal Nerve Stimulation in Patients with PTSD:
Effects on Biomarkers and PTSD Symptoms

The purpose of this project is to test the feasibility of non-invasive vagal nerve stimulation in patients with PTSD and effects on symptoms and response of biomarkers to stress.

Role: PI

R01 HL125246 (Vaccarino) 07/01/15 – 06/30/20 1.2 calendar months
NIH/NHLBI \$503,018

PTSD and Ischemic Heart Disease Progression: A Longitudinal Twin Study

The purpose of this project is to examine the longitudinal association between PTSD and ischemic heart disease by doing a follow up study of twins in the Vietnam Era Twin Registry 10 years after a baseline visit that involved assessments of ischemic heart disease with positron emission tomography (PET) myocardial perfusion imaging.

Role: Co-investigator

Investigator Initiated Research (Bremner) 3/15/18-3/14/20 1.2 calendar months
Brain and Behavior Research Foundation (BBRF) / National Alliance for Research on Schizophrenia and Depression (NARSAD) Distinguished Investigator Award
\$99,987

Mechanisms of Electrical Treatment for Posttraumatic Stress Disorder

The purpose of this project is to assess the effects of vagal nerve stimulation on brain and neurobiological responses to stress and PTSD symptoms in patients with PTSD

Role: PI

DARPA N66001-16-2-4054 7/21/16-9/20/20 4.5 calendar months
 DARPA (Bremner) \$2,300,165
 Closed loop vagal stimulation in posttraumatic stress disorder

The purpose of this project is to develop Vagal Nerve Stimulation (VNS) treatment for co-morbid posttraumatic stress disorder (PTSD) and depression and map physiological and brain functional correlates of response. The base phase looks at healthy subjects. In year one Option 1 individually adds four tasks to the base phase. Option 2 adds a second year of funding to study PTSD patients. There is a subcontract to Georgia Tech with Dr. Omer Inan.

Role: PI

K23 HL127251 (Shah) 01/01/16 - 12/31/19
 NIH-NHLBI \$80,350 (direct costs current year)
 Emotional Stress as a Risk Factor for Arrhythmia: Ischemic and Genetic Mechanisms
 The main goal of this project is to assess the role of stress and genetics in cardiovascular disease risk.

Role: Mentor

5 PO1HL101398 (Quyyumi) 9/1/10-11/30/16 2.4 calendar months
 NIH \$2,222,147 total funding
 Mental Stress Ischemia: Prognosis and Mechanisms
 This project assesses the effects of mental stress ischemia in patients with cardiovascular disease. Dr. Bremner is head of the imaging core and PI of Project #1.

R01HL109413 (Vaccarino) 5/1/12-4/30/17 0.6 calendar months
 NIH \$492,003 Direct annual costs, \$762,604 total
 Mental Stress and Myocardial Ischemia After MI: Sex Differences and Mechanisms
 This project assesses sex differences in the effects of mental stress ischemia after MI in patients with cardiovascular disease. Dr. Bremner is a co-investigator

R01 HL088726 (Bremner) 9/1/08-8/30/15 40%
 NIH \$480,862 annual direct costs
 Mechanisms of Depression in CVD

This project uses SPECT imaging of myocardial perfusion and PET imaging of brain blood flow during a cognitive stress challenge in patients with heart disease with and without depression.

K24 MH076955 (Bremner) 5/1/06-7/31/15 50%
 NIMH \$141,041 Annual Direct Costs
 Biological Correlates of Traumatic Stress

This a career development award to support research and training for the PI in the field of biological correlates of traumatic stress. (current renewal started on 8/1/2012)

VA Merit 5I01CX000687 (Davis, Bremner) 1/01/12-12/31/14 10%
Veterans Administration \$133,850 Annual Direct Costs
A Multisite, Randomized, Controlled Trial of Mindfulness Meditation Therapy for PTSD

This is a multisite trial at Tuscaloosa AL, Charleston SC and Atlanta VAMC to assess the efficacy of Mindfulness Based Stress Reduction (MBSR) in comparison to Present Centered Group Therapy for the treatment of PTSD.

1 R01 MH056120 4/10/99-6/30/14 40%
NIMH (Bremner) \$250,000 Annual Direct Costs
Neural Circuits in Women with Abuse and PTSD

This project has used positron emission tomography (PET) and magnetic resonance imaging (MRI) in the measurement of brain regions involved in PTSD, in women with a history of childhood sexual abuse-related posttraumatic stress disorder, and the response to treatment.

VA Merit (Bremner) 4/01/03-3/30/12 0%
Veterans Administration \$133,850 Annual Direct Costs
Memory and the Hippocampus in Vietnam Twins with PTSD

This grant assesses hippocampal volume with MRI and neural correlates of declarative memory and traumatic remembrance with PET in monozygotic (MZ) and dizygotic (DZ) Vietnam Era veteran twin pairs discordant for PTSD and MZ twins without combat exposure or PTSD.

09SDG2140117 Scientist Development Grant S. (S. Su) 07/01/09-06/30/13
American Heart Association
Identification of Common Genes Related to Depression and Inflammation
The main objective of the proposal is to discover common genes related to both depression and inflammation. The goal is to identify genetic variants related to both depressive symptoms and inflammation by using a genome-wide association (GWA) approach using the Framingham Offspring Cohort, and to replicate the GWA findings in two independent samples.
Role: Mentor

R21 HL106333-01A1—(S. Su) 07/01/11-06/30/13 0.6 calendar months
NIH/NHLBI
Epigenetics, a potential mechanism linking depression to cardiovascular disease
This application proposes to examine leukocyte DNA methylation as a potential epigenetic modification mechanism linking depression to cardiovascular disease.
Role: Co-investigator/Mentor

1 T32 MH067547-01 (Bremner) 7/1/05-6/30/10 0%
NIMH \$102,696 Annual Direct, \$897,414 total

Training Program in Neuroimaging Sciences

This is a training program in neuroimaging sciences at Emory and Georgia Tech.

1 R21 MH080208-01 (Bremner) 7/1/07-6/30/11 .6 calendar months
NIH/NIMH \$150,000
Benzodiazepine Receptor in PTSD

This project will assess benzodiazepine receptor binding in returning Iraqi veterans with PTSD with positron emission tomography (PET) and [C-11]flumazenil. The ability of benzodiazepine receptor binding to predict the development of chronic PTSD will be assessed.

Integrative Healing Practices for Veterans
(VET-HEAL) Award (Bremner) 8/1/05-7/31/09 0%
Samueli Institute for Information Biology
(SIIB)/VA/DOD \$175,000
Neural correlates of PTSD prevention with MBSR

The purpose of this project is to assess the ability of Mindfulness Based Stress Reduction (MBSR) to prevent the development of PTSD in soldiers returning from deployment in Iraq, and assess neural correlates mediating PTSD prevention using positron emission tomography (PET).

PTSD AT-TDA-IN PT074430 (Bremner) 9/1/08-8/31/12 20%
CDMRP DoD \$982,175
Neural Correlates of Early Intervention for PTSD

The purpose of this grant is to use PET imaging of brain metabolism before and after treatment with the SSRI paroxetine to measure neural correlates of response to early treatment of PTSD.

VA Merit – Clinical Trials (Bremner) 7/1/07-6/30/11 1%
VA Merit \$150,000
Early Intervention for PTSD in Iraqi Veterans

The purpose of this project is to assess the effects of paroxetine versus placebo on symptoms of PTSD and hippocampal volume and NAA in returning Iraqi veterans with early PTSD

R21 HL093665 (V. Vaccarino) 04/15/09-03/31/12 0.12 calendar months
NIH/NHLBI \$232,500
Sex Differences in Myocardial Ischemia Triggered by Emotional Factors after MI

The major goal of this project is to examine whether post-MI women have a higher prevalence of psychological stress-induced ischemia than men.

Role: Principal Investigator

R01HL068630-06A2 (Vaccarino) 10/01/09-07/31/12 0.96 calendar months
NIH \$499,614

Mechanisms Linking Depression To Cardiovascular Risk

The major goal of this competing renewal project is to further clarify the role of depression on CVD using a prospective design in which we will study changes over time in CVD measures.

R01 AG026255-01 (Vaccarino) 9/30/04-7/31/09 5%
NIH/NHLBI \$462,542

Posttraumatic stress disorder and cardiovascular disease

The purpose of this project is to use monozygotic twins with and without PTSD to assess the relationship between PTSD and heart disease. Outcome measures including quantitation of myocardial blood flow with PET and other measures of myocardial function. Dr. Bremner is responsible for PET studies.

1 R01 HL703824-01 (Vaccarino) 7/01/03-6/30/09 22%
NIH/ U Colorado (Subcontract) \$76,602 Direct costs first year

Wounded spirits, ailing hearts: PTSD and CVD in Indians

This project involves assessment of mechanisms by which PTSD increases heart disease risk in American Indians. Outcomes include PET measurement of myocardial blood flow and assessment of psychiatric and cardiovascular risk factors. This is a collaboration between U. of Colorado, U. of Washington and Emory; the Emory site is responsible for analysis of PET data.

K23 HL07295—(J. Abramson) 01/01/05 - 12/31/09
NIH-NHLBI

\$80,350 (direct costs current year)

Depression, Infectious Pathogens, and CHD

The main goal of this project is to determine whether chronic infectious burden is a mechanism by which depression is associated with increased risk for cardiovascular disease.

Role: Mentor

K23 RR023171—(S. Mallik) 07/01/06-06/30/09
NIH/NCRR

\$140,221 (direct costs yr 1)

Troubled Minds, Broken Hearts: Women, Depression and Myocardial Infarction.

The purpose of this career development award is to examine the prognostic role of depression, and the effect of treating depression, on the outcome of women after acute myocardial infarction, and to foster Dr. Mallik's academic career.

Role: Mentor

0630084N Scientist Development Grant—(S. Mallik) 01/01/06-12/31/10
American Heart Association
\$59,091 (direct costs yr 1), \$260,000 (total)
Gender, Depression and Outcomes of Myocardial Infarction
The purpose of this project is to determine whether depression plays a role in the poorer outcome of women with acute MI compared with men.
Role: Mentor

0730100N Scientist Development Grant (J. Zhao) 01/01/07-12/31/10
American Heart Association (National)
\$59,091
Common genetic pathways linking depression to cardiovascular disease: A twin study.
The main object of this grant is to examine common genetic pathways in the relationship between depression and cardiovascular disease, including genes involved in the serotonin, adrenergic and HPA axis pathways.
Role: Mentor

0725513B Postdoctoral Fellowship Grant—(S. Su) 07/01/07-06/30/09
American Heart Association
\$37,500
Identification of genes related to depression and autonomic dysregulation
This fellowship grant will provide salary support for Dr. Su, in order to perform his post-doctoral work on genetic factors involved in depression and autonomic function.
Role: Mentor

Goodman R21 MH66622-01, 9/19/02-8/31/07, Development of PET radioligands, NHLBI, \$150,000 annual direct costs

Ready VA Merit, 4/1/05-15/30/08, \$250,000 direct costs first year
A New Model for Group-Based Exposure Therapy for Deployment-Related PTSD

Parr R01 MH068791-01, 4/01/04-3/31-09, NIMH, \$150,000 Direct costs first year
Neuropsychology of Primate Social Cognition

Bremner GSK Investigator Initiated Research, Effects of paroxetine on neural correlates of PTSD, 3/1/03-2/31/07

Rothbaum (PI) R24 MH067314-01A1 Translational Research on Extinction and PTSD, 7/1/03-6/30/06, \$268,798 Direct Costs first year

Bremner (PI) American Foundation for Suicide Prevention (AFSP) Research Grant, Long-term Effects of Isotretinoin (Accutane) on Brain Function, 9/1/05-8/31/07, \$59,988 total

Bremner JD, PI: GlaxoSmithKline Corp., “Effects of Paxil on Neural Circuits in Posttraumatic Stress Disorder” Direct Costs, \$300,000 entire budget period, Funding period 6/1/03-5/30/06.

Bremner (PI) Independent Investigator Award (Bremner) National Alliance for Research on Schizophrenia (NARSAD), Positron Emission Tomographic (PET) Imaging of Brain Metabolic Correlates of Vulnerability to Depressive Relapse, 9/15/04-9/14/06, \$99,000 total

Vaccarino V, (PI) R01 HL068630-04 Mechanisms linking depression to cardiovascular risk, 6/1/01-5/31/06, \$462,542 (direct costs year 1); \$3,248,420 (total)

Bremner JD, PI: “Shared Instrumentation for Research PET Brain Device” S10 RR16917-01 7/1/02-6/30/05, NIH/NCRR \$500,000 Direct Costs

Bremner JD, PI: Georgia Research Alliance, “Shared Instrumentation for a Research Dedicated PET Brain Imaging Device”. Total costs \$900,000, funding dates 7/1/04-6/30/05.

Votaw (PI) R01 GM63824 “Cognitive effects of anesthetics and dopamine transport”, Direct costs \$473,121, Funding period 7/1/04-6/30/05.

Bremner JD (PI): “Brain Mechanisms Underlying Increased Mortality in Patients with Coronary Heart Disease and Depression” Charles A. Dana Foundation, 6/1/99-5/30/04. \$33,000 first project year, \$92,700 total costs.

Bremner JD, PI: Dreyfus Medical Foundation. “Effects of phenytoin on memory in women with childhood sexual abuse.” Direct costs: \$23,300 entire budget period. 20% effort. Funding period, 1/1/99-6/30/03. 5% effort.

Bremner JD, Local PI: SmithKline Beecham, Corp., “Effects of Paxil on Hippocampus and Memory in Women with Childhood Sexual Abuse-related Posttraumatic Stress Disorder” Direct Costs, \$48,000 entire budget period, Total costs \$65,000 entire budget period. Funding period 6/1/99-5/30/02.

Bremner JD, (PI) Veterans Administration, Biological Psychiatry Fellowship Award, “Yohimbine administration in PTSD”, 100% effort, \$40,000 per year, \$120,000 entire budget period, 7/1/90-6/30/93.

Bremner JD, PI: Veterans Administration, Career Development Award Program (Associate Investigator), “PET and SPECT Measurement of the Benzodiazepine Receptor in Anxiety” \$51,740 (salary) plus \$3,000 equipment expenses direct costs initial budget period, \$164,220 direct costs entire project period. 100% effort, Dates of award: 10/31/93-11/1/96.

Bremner JD, PI: National Institute of Health Sponsored General Clinical Research Center, Clinical Associate Physician Award, “Hippocampus in Women with Sexual Abuse.” \$42,487 first budget period total budget costs. 100% effort, 7/1/97-10/30/00.

Charney DS, PI (**JD Bremner**, Co-investigator): National Institute of Mental Health (R01), “Brain Imaging of the Benzodiazepine Receptor”. \$235,000 first budget period, \$973,000 entire funding period. 10% effort on project. Funding dates 7/1/92-6/30/95.

Charney DS, PI (**JD Bremner**, Co-investigator): Veterans Administration, Merit Review, “Cerebral Metabolic Correlates of Tryptophan Depletion-induced Depressive Relapse”. \$100,000 first budget period, \$300,000 entire funding period. 10% effort on project. Funding dates 7/1/93-6/30/96.

Charney DS, PI (**JD Bremner**, Co-investigator): Veterans Administration, Merit Review, “Cerebral Metabolic Correlates of AMPT-induced Depressive Relapse”. Veterans Administration Merit Review Project. \$106,000 first budget period, \$306,000 entire funding period. 10% effort on project. Funding dates 7/1/96-6/30/99.

Southwick SM, PI (**JD Bremner**, Co-investigator): Department of Defense, “Longitudinal Course and Neurobiology of Veterans of Desert Storm”. \$90,000 direct costs first budget period, \$270,000 entire funding period. 10% effort on project. Funding dates 7/1/96-6/30/99.

Bremner JD, PI: Center for Naval Analysis, Department of Defense, “Impact of Captivity Stress on Physical and Mental Health” Direct costs: \$23,500 entire budget period. 5% effort. Funding period, 1/1/99-12/30/00.

Bremner JD, Local PI: Bristol Myers-Squibb, Corp., “An International Multicenter Trial of Two Dose Ranges of Nefazodone and Placebo in the Treatment of Outpatients with Chronic Posttraumatic Stress Disorder” Direct Costs, \$70,000 entire budget period, Total costs \$96,000 entire budget period. Funding period 11/1/98-10/30/98.

Bremner JD, Site PI: SmithKline Beecham, “A 12 week, Double-blind, Placebo Controlled, Parallel Group Study to Assess the Efficacy and Tolerability of Paroxetine in Patients Suffering from Posttraumatic Stress Disorder.” Direct Costs \$19,140 entire budget period. Funding period 2/1/99-1/30/00.

Bremner JD, PI: National Alliance for Research in Schizophrenia and Depression, Young Investigator Award. “PET Measurement of Hippocampal Function in Depression.” Direct costs: \$28,250 first budget period, total budget costs entire funding period \$56,500. Funding dates 7/1/97-12/30/99. 20% effort.

Innis RB (PI), (**JD Bremner**, PET Core Director), Veterans Administration REAP, “A Center for the Study of the Neurobiology of Depression,” \$250,000 initial budget period, \$750,000 entire project period, 10% effort, funding dates 4/1/99-3/30/02.

Soufer R, PI (**JD Bremner**, Co-Investigator): National Institute of Health (NHLBI) R01, “Neural Correlates of Mental Stress-Induced Myocardial Ischemia” Direct costs \$250,000, total costs \$320,000 initial budget period, direct costs \$750,000, total costs \$1,100,000 entire budget period. 10% effort. Funding period 1/1/99-12/30/03.

Bremner JD (Co-PI): “Efficacy of fluoxetine (Prozac) in treatment of PTSD.” Eli Lilly Corp., Total costs: \$105,631 total budget period. Funding dates: 1/1/99-11/01/00.

Bremner JD (Co-PI): “Effects of fluoxetine (Prozac) on hippocampal volume, memory function, and cortisol status in patients with major depressive disorder.” Eli Lilly Corp., Total costs: \$105,631 total budget period. Funding dates: 1/1/99-11/01/00.

Bremner JD, Project Director, #5M01RR00125-370963 HPA axis and hippocampus in women with sexual abuse related PTSD (Charney PI, Yale Mental Health Clinical Research Center Grant) 12/1/98-11/30/01

Bremner JD, Project Director, PET measurement of cerebral blood flow correlates of memory in PTSD 5M01RR00125-370964 (Charney PI, Yale Mental Health Clinical Research Center Grant) 12/1/98-11/30/01

Bremner JD, PI: Department of Veterans Affairs Research Career Development Award, Level II. “Hippocampal Function in Posttraumatic Stress Disorder”. Direct costs \$108,698 salary support, \$50,000 research costs first year, \$476,094 total costs entire budget period. 100% effort. 10/1/97-9/30/01.

Bremner JD, PI: VA Merit Review, “Memory and the Hippocampus in Vietnam Twins with PTSD.” \$178,300 first year direct costs, \$476,900 total direct costs. Funding period 4/1/98-9/30/02.

Bremner JD, PI: NIH R01MH56120-01A1 “Hippocampus in Women with Abuse and PTSD” \$250,000 first year direct costs, \$368,040 first year total costs, \$750,000 total direct costs, \$1,128,040 total budget costs entire funding period. Funding period 9/1/99-8/30/03. 40% effort.

Clinical Service Contributions:

Attending in Nuclear Medicine, Yale-Haven Hospital and VA Connecticut, 1997-2000; Attending in Psychiatry, Yale School of Medicine and VA Connecticut Healthcare, 1991-2000; Medical Director, Inpatient Unit, National Center for PTSD, VA Connecticut; Director, Yale Trauma Research Program, 1997-2000; Associate Director of Yale-VA PET Center, 1998-2000; Director of Emory Center for Positron Emission Tomography (PET), 2000-2006; Attending in Nuclear Medicine, Emory Univ. Hosp., 2000-2007; Staff Psychiatrist, Atlanta VA Medical Center, 2009-present; Attending Psychiatrist, Emory Clinic, 2015-present.

Formal Teaching:

Medical Student Teaching:

- Teaching of medical students, Yale School of Medicine, 1991-2000;
- Teaching of medical students, Emory U School of Medicine, 2000-present.
- “PTSD in Pandemics” seminar given for University of Catania medical students, June 8, 2021

Graduate Program:

- “How Social Media Permanently Changed the Criminal Justice System,” lecture for “Internet Law” class (Perry Binder, Director), Robinson School of Business at Georgia State University, Atlanta, Georgia, July 18, 2023.

Training Program:

- “Neuroimaging of PTSD and Depression” lecture given for Neurochemical Brain Imaging Program Introductory Lecture Series, Aug. 4, 1999, Yale University School of Medicine/VA Connecticut
- “Traumatic Memories Lost and Found: Can Lost Memories of Childhood Abuse be Found in the Brain?” Presentation for Yale Psychiatric Institute Trauma Studies Conference, Sept. 15, 1999.
- “Does Stress Damage the Brain? Understanding Trauma-related Disorders” Visiting lecturer for Emory Department of Comparative Literature Graduate Level course “Trauma and Literature”, February 22, 2002
- Lecturer for “Interdisciplinary Program in Trauma Studies” Graduate Student Seminar, Sept 01-May-02, Department of Comparative Literature, Emory School of Arts and Sciences
- Participant in “Pilot Program for Interdisciplinary Studies in Trauma”, Emory School of Arts and Sciences, 2001-2002.
- Participant in round table discussion on future careers in science, Bi Annual Retreat, Developmental Psychobiology Research Group Training Program for Postdoctoral Fellows, University of Colorado Health Sciences Center, Estes Park CO, May 19, 2004
- Director of NIH-sponsored T32 Training Program for post-doctoral fellows “Training Program in Neuroimaging Sciences (TPINS), 2004-2010.
- Lecture for Atlanta VA medical trainees “Brain Imaging for Mental Health Professionals,” February 17, 2021.
- Faculty Member, NIH Sponsored T32 in Neuroscience, Graduate Division of Biological and Biomedical Sciences, 2008-present

- Faculty Member, NIH Sponsored T32 in Multidisciplinary Research Training to Reduce Inequalities in Cardiovascular Health (Vaccharino), 2014-present
- Faculty Member, NIH Sponsored R25 Emory Psychiatry Clinical Scientist Training Program (CSTP) (Miller, Goldsmith, and Treadway), 2018-present

Residency Program:

- “Neurobiology of Anxiety Disorders” lecture for Yale Psychiatry Residents, March 1999.
- “Neuroimaging and Neurobiology of Posttraumatic Stress Disorder” lecture for Yale Psychiatry Residents, given yearly 1995-1999.
- “Brain imaging in PTSD” lecture for Yale Psychiatry Residents, March 21, 1999.
- “Clinical Applications of Positron Emission Tomography” Lecture for residents in Diagnostic Radiology, Yale U. School of Medicine, July 4, 1999.
- “Radionuclide Cisternography”. Lecture for residents in Diagnostic Radiology, Yale School of Medicine, Oct. 8, 1999.
- “Neural Mechanisms in Delayed Recall of Childhood Abuse”. Presentation for VA Connecticut PTSD Program, West Haven CT, Oct. 14, 1999.
- Supervised Emory Radiology residents as attending in Nuclear Medicine, 2000-2005.
- “Brain Imaging” Lecture for Radiology Residents, Yale School of Medicine, March 7, 2000.
- “Brain Imaging in Nuclear Medicine” lecture for Emory Nuclear Medicine fellows, Dec 18, 2000.
- “Applications of Positron Emission Tomography to Oncology” Grand Rounds Lecture, Emory Dept of Hematology and Oncology, April 35, 2001
- “PET Imaging in Oncology” lecture for radiology residents and medical students, Emory University, May 15, 2001.
- Participated in Mock Boards for Dept of Psychiatry, Emory and U. Penn, Grady Hospital, Atlanta, May 16, 2001
- “PET imaging in oncology” lecture for radiology residents and medical students, Emory University, Oct. 7, 2001.
- “Clinical applications of positron emission tomography to oncology and cardiology” lecture for Emory Radiology Residents, Jan 28, 2002.
- “Brain Scintigraphy” Lecture for Emory Radiology Residents, March 8 2002.
- “Structural Brain Imaging” lecture for Emory psychiatry residents, April 1, 2002.
- Participated in Mock Boards for Dept of Psychiatry, Emory and U. Penn, Philadelphia PA, May 16, 2002.
- “PET Imaging in Oncology” lecture for Emory radiology residents, July 12, 2002.
- “Neurobiology of PTSD and Depression” lecture for the Emory Program for Training of Psychiatry Residents, a national program held at Palm Beach, FL, Aug 22-26, 2002.
- “Brain Imaging in Nuclear Medicine” lecture for Emory Nuclear Medicine fellows, Feb 7, 2003.

- “Substance abuse and PTSD”, lecture for Emory Psychiatry residents, 2003, 2004, 2005, 2006, 2007, 2008
- Participated in Mock Boards for Dept of Psychiatry, Emory and U. Penn, Atlanta GA, March 16, 2003.
- “Nuclear Scintigraphy: Neurological Applications” lecture for Emory Radiology residents, March 23, 2003.
- “Clinical Case Presentations: Childhood Abuse” Noon conference, Pediatrics Residency Program, Virginia Commonwealth University School of Medicine, Richmond, Virginia, Oct. 14, 2003.
- Journal Club, Vanderbilt Psychiatry, Jan 13, 2004
- “Advanced application of PET” lecture for Emory Nuclear Medicine fellows, March 17, 2004
- “Substance abuse and anxiety disorders” lecture for Emory Psychiatry residents, Nov 2, 2004
- “Neurobiology of early abuse,” lecture for Emory Psychiatry residents, May 18, 2005.
- “Brain Structure and Function in PTSD” lecture for Frontiers in Neuroscience Series, Emory Neurosciences Program, October 10, 2005
- “Anxiety Disorders and Substance Abuse,” lecture for psychiatry residents, December 4, 2005.
- “Anxiety Disorders and Substance Abuse,” lecture for psychiatry residents, April 5, 2006.
- “Anxiety Disorders and Substance Abuse,” lecture for psychiatry residents, April 5, 2007.
- “Anxiety Disorders and Substance Abuse,” lecture for psychiatry residents, April 5, 2008.
- “Neuroimaging of PTSD” Emory Psychiatry Grand Rounds, Feb. 22, 2012, Atlanta GA
- Resident round table journal discussion for psychiatry “The enduring effects of abuse and related adverse experiences in childhood: A convergence of evidence from neurobiology and epidemiology” Emory University School of Medicine, Feb. 22, 2012.
- Supervised Emory Psychiatry residents as attending in psychiatry, Atlanta VAMC, 2015-present.
- Lecture for Emory PGY-3 psychiatry residents, Jan. 18, 2017, “Brain Imaging in PTSD”
- Lecture for Emory PGY-3 psychiatry residents, Jan. 18, 2017, “Neuroscience of Early Stress”
- Lecture for Emory PGY-3 psychiatry residents, Jan. 18, 2017, “Depression and Cardiovascular Disease”
- Lecture for Emory PGY-1,4 psychiatry residents, Jan. 25, 2017, “Neurobiology of PTSD and Cardiovascular Disease”
- Lecture for Emory Psychiatry Research Track Residents “Neurobiology of Trauma Spectrum Disorders,” Sept 17, 2017.
- Round Table on VNS for Emory Psychiatry Residents, April 10, 2019

- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Non-invasive Vagal Nerve Stimulation for Stress Related Psychiatric Disorders,” October 8, 2020.
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Brain Imaging in Psychiatry and Clinical Neurosciences,” November 12, 2020.
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Brain Imaging for Mental Health Professionals,” December 22, 2020.
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Non-invasive Vagal Nerve Stimulation for Posttraumatic Stress Disorder,” January 28, 2021.
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “The Role of Medical Science in Criminal Proceedings: Physiology & False Memories,” March 25, 2021
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Vascular and Autonomi Effects of Non Invasive Vagal Nerve Stimulation,” June 3, 2021
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Brain Imaging for Mental Health Professionals, 2021
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Physiology and False Memories: Role of Mental Health Professionals in High Profile Criminal Cases,” June 3, 2021
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Application of Non Invasive Vagal Nerve Stimulation to Stress Related Psychiatric Disorders,” Nov 4, 2021
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Neurobiology of PTSD, Part 1,” Mar 24, 2022
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Neurobiology of PTSD, Part 2,” Apr 18, 2022
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Neurobiology of PTSD, Part 3,” June 23, 2022.
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Brain Imaging for Mental Health Professsionals,” October 20, 2022
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Noninvasive Vagal Nerve Stimulation in Stress and Addictions,” November 10, 2022
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Neurobiology of PTSD, Part 1,” December 8, 2022
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Neurobiology of PTSD, Part 2,” February 23, 2023
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Acute and Long-Term Effects of COVID on Brain and Mental Health,” March 16, 2023
- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Neurobiology and Treatment of PTSD,” May 25, 2023

- Lecture for Emory and Morehouse Psychiatry Residents and Atlanta VA trainees “Brain Imaging for Mental Health Professionals,” June 22, 2023
-

Other categories:

- “The Neurobiology of Posttraumatic Stress Disorder: A Clinician’s Primer” presentation at Yale Psychiatric Institute Trauma Studies Program Conference, Yale Psychiatric Institute, New Haven CT, May 17, 1998.
- “Lasting Effects of Stress on Memory and the Hippocampus” Grand Rounds presentation, Department of Psychiatry, Yale University School of Medicine, New Haven, CT, Oct. 22, 1998.
- Participated in WELI (New Haven) radio hour on “Civilian PTSD” sponsored by Bristol Myers-Squibb, Inc., Oct. 10, 1998.
- Lasting effects of childhood abuse on memory, cortisol and the hippocampus.” Paper given in symposium “Neurosciences 1999: Breakthroughs in Brain Imaging”, March 20, 1999, Yale School of Medicine. A joint presentation of the Connecticut Mental Health Center and the Department of Mental Health and Addiction Services, State of Connecticut, in association with the National Alliance for the Mentally Ill-Connecticut.
- “Neuroimaging of PTSD” Lecture for New York State Chapter of the American Psychiatric Association, Mystic, Conn., Oct. 4, 1999.
- “Radionuclide Cisternography”. Lecture for residents in Diagnostic Radiology, Yale School of Medicine, Oct. 8, 1999.
- “Neural Mechanisms in Delayed Recall of Childhood Abuse”. Presentation for VA Connecticut PTSD Program, West Haven CT, Oct. 14, 1999.
- “Data warehousing in PTSD” Presented as part of an Educational Workshop at Annual Meeting of International Society for Traumatic Stress Studies, Miami, FL, Nov 14-17, 1999.
- “Participant in workshop “Trauma and Memory, the Debate goes International” American Psychiatric Association Annual Meeting, Chicago IL, May 15-19, 2000.
- “Neuroimaging in Psychiatry” Invited lecture for Forum 2000, sponsored by SmithKline Beecham, Hawaii, May 31, 2000.
- Participated and interviewed for multiple educational and news programs in the past two years on several topics including Neurobiology of Anxiety (HBO), Violence and the Brain (BBC), Effects of Stress on the Brain (BBC), Stress (CNN), Effects of Childhood Abuse on the Brain (ABC), Biology of PTSD (Discovery Channel), Biology of Stress (Canadian Discovery Channel), Consequences of Childhood Abuse (NPR), Relationship between Accutane and depression and suicide (CNN, Discovery Canada), also multiple articles and stories in newspapers and magazines.
- “Assessment and Treatment of PTSD in Children and Adults” Clinical Educational Symposium Co-chairs JD Bremner & Phillip Saigh, Annual Meeting of the Anxiety Disorders Association of America, Atlanta GA, March 22-25, 2001

- “Is there an epidemic of depression?” presentation for the lay public as part of “Conversations at the Carter Center”, Rosalyn Carter (Chair), Atlanta GA, April 19, 2001.
- “Looking into the Mind’s Eye of PTSD” presented as part of program “Future Leaders in Psychiatry,” Boca Raton, FL, April 20-22, 2001.
- Invited participant in General Electric all-day seminar “PET-CT Imaging with Discovery LS” New York, June 21, 2001.
- “Assessment and Treatment of Posttraumatic Stress Disorder” Invited Continuing Medical Education Lecture sponsored by CME Inc, Chicago IL, Oct. 4, 2001.
- “Trauma and Memory Related to Bosnian Genocide: The Debate Goes International” Invited participant in Workshop for American Academy of Psychiatry and the Law, Annual Meeting, Boston MA, Oct. 25, 2001.
- “Assessment and Neurobiology of Childhood Sexual Abuse-related PTSD” Invited Lecture for Emory Development Translational Research Seminar, Emory University School of Medicine, Dec. 2, 2001.
- “Hearts and Minds: Cardiac PET as a Tool for Merging Cardiology and Psychiatry” lecture for Emory Center for Outcomes Research (ECOR) Research Seminar, February 23, 2002.
- “Brain imaging in psychiatry and clinical neuroscience” presented at Emory/Georgia Tech Molecular Imaging Symposium, Jan 15, 2004
- “Stressors and emotional trauma contributing to the mental health of combat soldiers”, invited lecture for Seamless Transition from Walter Reed Army Medical Center to the VA Southeast Network: Treatment of OEF/OIF Combat Veterans, Atlanta VA and Walter Reed Army Medical Center, April 22, 2005.
- “PTSD” presented for “Faces of Mental Illness: PTSD” presented by the Emory College Chapter of Active Minds, Oct 5, 2005
- “Effects of Combat Stress on Soldiers of the Iraq War” presented for Atlanta Friends of Emergency conference, War and Health, Atlanta, GA, February 17, 2007.
- “Psychosomatic Medicine and PTSD: From Bench to Bedside to Community,” roundtable discussion at the American Psychosomatic Society Annual Meeting, Budapest, Hungary, March 7, 2007.
- “Brain Imaging for the Mental Health Professional” week-long course taught for the New England Educational Institute, Eastham MA, June 16-20, 2008.
- “PTSD in Returning Iraq Vets” participated in panel for “Class on the Quad”, Emory University, April 1, 2009.
- Faculty participant in Joint SAN/COST B27 Training Schools on Neurofeedback and ADHD & International Course and Conference MIND AND BRAIN VI: Neuroplasticity of Brain and Behavior, April 16-21, 2009, Dubrovnik, Croatia.
- “Why I’m Not Getting a Flu Shot This Year,” presented at Emory Center for Cardiovascular Outcomes Research and Epidemiology (EPICORE) weekly research conference, December 2011
- “Mechanisms of Stress and Depression in Cardiovascular Disease,” presented at Emory Clinical Cardiovascular Research Institute weekly research conference, October 2014

- “Guiding Clients in Recovery from Psychological Trauma” Sept 23-13, 2015, Atlanta, Georgia. Director of program for continuing education for mental health professionals.
- “Back to the Future: Vagal Nerve Stimulation for PTSD” Emory Psychiatry Grand Rounds, Atlanta, GA, April 10, 2019
- Higher Thought Institute Webinar “Neurobiology of PTSD,” February 19, 2022
- Higher Thought Institute Webinar “Physiology and False Memories: Contribution of Mental Health Providers” June 4, 2022
- Higher Thought Institute Webinar “Neurobiology of Posttraumatic Stress Disorder” October 22, 2022
- Higher Thought Institute Webinar “Effects of Acute and Long COVID on Brain and Mental Health

Supervisory Teaching:

Ph.D. students directly supervised:

Bernet Elzinga (Yale), 1999-2001, now has a faculty position in Psychology at the University of Leiden (The Netherlands)
 Katherine Shobe (Yale), 1998-1999, Postdoctoral Fellow, Univ of NY, Albany
 Eric Vermetten (Yale/Emory) 1997-2003, now research faculty at the University of Utrecht and the Dutch Military Hospital
 Predoctoral students: Silke Welter (Emory) 2001-2002, now a graduate student at the University of Trier.
 Tanja Mletzko, 2002-2004, Postdoctoral fellow, Emory
 Negar Fani, 2006-2010, graduate student Georgia State U. counseling psychology
 Katherine Durham, Ph.D., graduate student, Teachers College of Columbia University, 2016-2018 (dissertation committee)
 Nil Gurel, Ph.D., graduate student, Georgia Institute of Technology, 2016-2020 (dissertation committee)
 Anna Harrison, M.S., graduate student, Georgia Institute of Technology, 2020-2022 (dissertation committee)
 Asim Gazi, M.S., graduate student, Georgia Institute of Technology, 2020-2022 (dissertation committee)

Post-doctoral fellows directly supervised:

Meena Narayan, MD (Yale) 1995-1998, now Research Psychiatrist at the National Institute of Mental Health Mood and Anxiety Disorders Program.
 Ed Perry, MD (Yale), 1996-1998
 Safraz Khan, MD, 1997-1999, Resident in Psychiatry, Creighton.

Thomas Lim, MD, 1999-2000
Jahangir Adil, MD, 1998-2000
Alessandra Buonopane, M.D., 1997-1998, Assistant Professor of
Psychiatry, Yale University School of Medicine
Gabriel De Erasquin, M.D., 1992-1993
Penny Randall, M.D., 1992-1995, Assistant Professor of Psychiatry, U.
California-Irvine
Adam Darnell, M.D., 1992-1994, Assistant Professor of Psychiatry,
Jerusalem University
Angela Cappiello, M.D., 1992-1993
(Emory and Yale)
Ahsan Nazeer, MD, 1998-2000, Resident in Psychiatry, U. North Dakota
Nadeem Afzal, MD, 1997-2010, Postdoctoral Fellow, Emory NISTP
Sajid Siddiq, MD, 1999-2004, Postdoctoral Fellow, Emory
Eric Vermetten, M.D., 1997-2001, Director of Research, Dutch Military
Hospital, Utrecht
Christian Schmahl, M.D., 1999-2001, Research Psychiatrist, University of
Mannheim (Germany)
(Emory)
Tim Hanes, MD, 2001-2002
Olga Novik, MD, 2001-2006, postdoctoral fellow, Emory
Ali Ashraf, MD, 2002-2007
Faiz Cheema, MD, 2002-2008
Nori Kitayama, MD, 2002-2005, Research Psychiatrist, Japan NIH
Farhan Jawed, MD, 2003-2009
Chanda Williams, MD 2003
Elbert Geuze, MD 2004
Frauke Lindau, MD 2006
Durreshahwar Khan, MD, 2008-2010
Majid Shah, MD, 2010-2013
Mustafa Mufti, MD, 2010-2011
Zehra Khan, MD, 2010-2016
Negar Fani PhD 2009-2012
Mary Dent PhD 2005-2013
Kristina Robinson, MD 2009-2010
Amit Shah, MD, 2010-2015
Carolina Campanella, Ph.D. 2012-2017
Sarah Evans, B.S. 2016-2018
Nicole Kasher, B.S. 2016-2018
Sanskriti Mishra, M.D. 2016-2017
Colin Reiff, M.D. 2016-2018
Ronnie Ramadan, MD, 2016-2018
Muhammad Hammadah, MD, 2016-2019
Elon Richman, M.D. 2017-2000
Kasra Moazzami, M.D. 2017-2022
Bruno Lima, M.D. 2017-2021

Matthew Wittbrodt, Ph.D., 2018-2022
Zakaria Almuwaqqat, MD MPH, 2018-present

Residency Program:

Psychiatry, Yale School of Medicine, 1991-2000; Radiology, Yale School of Medicine, 1997-2000; Psychiatry and Radiology, 2000-2005. Residents supervised for research: Tim Hanes MD (Emory Radiology); 7/01-9/01, now a radiology resident. (Emory Psychiatry) Collin Reiff, MD, Elon Richman, MD

Psychiatry: Emory Clinic and Atlanta VAMC: 2001-present
Psychiatry Residents: Collin Reiff, MD, 2016-present

Other: Medical Students:

Matt Hoffman MD, during Clinical Research Internship for Medical Students, funded by Stanley Foundation, May 12, 2001-July 1, 2001, now Atlanta ER physician.

Sanskriti Mishra, MD, 2016-2017

Nora Jaquemet (2022-present)

Kellen Mermin-Bunnell (2022-present)

Other: Masters of Science Students:

Nicole Kasher 2016-2019, Master's in Public Health, Emory RSPH
Undergraduate: Andrea Franklin, Spelman College, funded by the RISE Program, 2005-2006.

Mark Saigh 2007-2008, Emory

Sandi DiVitale 2008-2010, Emory

Anna Harrison, B.S., Georgia Institute of Technology, 2000-2022
(dissertation committee)

Other: Undergraduate Students (Emory):

Sarah Evans 2016-2017

Amanda Rivas 2018-2020

Victoria Amorim (2021-present)

Rebeca Alvarado Ortega (2021) NIDA Summer Intern

Hewitt Mesfin (2022) NIDA Summer Intern

Trinity A. Gray (2022) NIDA Summer Intern

Lectureships, Seminar Invitations, and Visiting Professorships, Invitations to National or International Conferences

(presented as first author only, posters presented as coauthor and abstracts published as coauthor not listed).

- “Dissociation and Posttraumatic Stress Disorder in Vietnam Combat Veterans” presented at the International Society for Traumatic Stress Studies, November 1991
- “Trauma and Dissociation in Combat-related PTSD” presented as part of symposium “Trauma and Dissociation” (Bremner, Chair) American Psychiatric Association Annual Meeting, May 1992
- “Declarative Memory Deficits in PTSD” presented as part of symposium “Effects of Traumatic Stress on Memory” (Bremner, Chair) International Society for Traumatic Stress Studies Annual Meeting, November 1992
- “Memory and the Hippocampus in PTSD” presented as part of symposium “Long Term Effects of Traumatic Stress on Memory” International Society for Traumatic Stress Studies Annual Meeting, November 1993
- “Memory and the hippocampus in early abuse related PTSD” presented as part of symposium “Effects of early stress on the brain” (Bremner & Charney, Chairs) American College of Neuropsychopharmacology Annual Meeting, San Juan PR, Dec 11-15, 1993.
- “Memory and the hippocampus in Vietnam veterans with chronic PTSD” invited lecture at the Lake George PTSD Conference, Lake George NY, Jan 23, 1993.
- “Noradrenergic Function in PTSD” Grand Rounds Presentation, Hahnemann University Dept of Psychiatry, Philadelphia PA, Oct. 15, 1993
- “PET measurement of cerebral metabolism following a noradrenergic challenge in patients with post-traumatic stress disorder and in healthy subjects.” Presented at Society for Nuclear Medicine Annual Meeting, June 1993.
- “PET measurement of noradrenergic function in post-traumatic stress disorder.” Presented at International Society for Traumatic Stress Studies Annual Meeting, November 1993.
- “Neurobiology of PTSD” Invited lecture for the Macklin Series, Naval Health Sciences Education and Training Command, Portsmouth VA, Nov. 5, 1993.
- “Neurobiology of PTSD” Grand Rounds Presentation, Dept of Psychology, University of Maine, Sept 11, 1994
- “Neurobiology of PTSD” Grand Rounds Presentation, University of Maine, May 3, 1994.
- “Neurobiology of PTSD” Grand Rounds Presentation, University of Connecticut School of Medicine, Storrs, CT, June 12, 1994.
- “Neurobiology of Anxiety Disorders” invited lecture for the European College of Neuropsychopharmacology Annual Meeting, Monaco, Oct 14, 1994
- “PET measurement of cerebral metabolic correlates of tryptophan depletion induced depressive relapse” presented as part of symposium “PET Brain Imaging Studies in Depression” (Bremner & Charney, Chairs), American College of Neuropsychopharmacology Annual Meeting, San Juan PR, Dec 11-15, 1995.

- “PET FDG measurement of cerebral metabolic correlates of depressive relapse.” Presented as Society for Nuclear Medicine Annual Meeting, June 1995.
- “PET measurement of cerebral metabolic correlates of yohimbine administration in posttraumatic stress disorder.” Presented at Society for Nuclear Medicine Annual Meeting, June 1995.
- “Noradrenergic function in PTSD” presented at the Annual Meeting of the European College of Neuropsychopharmacology, Monaco, Sept 16, 1995.
- “Brain correlates of noradrenergic function in PTSD” Grand Rounds presentation, Hahnemann University School of Medicine, Philadelphia, PA, Nov 10, 1995.
- “MRI and neuropsychological studies in victims of trauma at different stages of development” invited presentation in panel “Early Environment and Development” (Plotsky, Chair), American College of Neuropsychopharmacology Annual Meeting, San Juan PR, Dec 11-15, 1995.
- “PET measurement of tryptophan depletion induced depressive relapse” presented as part of panel “PET Brain Imaging Studies in Depression” (Bremner & Charney, Chairs), American College of Neuropsychopharmacology Annual Meeting, San Juan PR, Dec 11-15, 1995.
- Participated in NIMH-sponsored workgroup “Aging and Anxiety Disorders” and presented “Neuroimaging of anxiety”, Bethesda MD, March 12, 1996.
- “PET FDG measurement of cerebral metabolic correlates of depressive relapse.” Presented at Society for Nuclear Medicine Annual Meeting, June 1996.
- “PET measurement of brain correlates of exposure to traumatic material in posttraumatic stress disorder.” Oral presentation, Society for Neuroscience Annual Meeting, New Orleans LA, Oct 25 1997.
- “The Neurobiology of Posttraumatic Stress Disorder” Plenary Presentation, Trauma Disorders 1997: Theory, Research and Practice. Sheppard Pratt Hospital, Baltimore, MD, Nov. 8, 1997.
- “Hippocampal function in PTSD.” Presented at Biomedicine '98, in conjunction with VA Medical Research, Washington D.C., May 1-3, 1998.
- “The Neurobiology of Posttraumatic Stress Disorder: A Clinician’s Primer” presentation at Yale Psychiatric Institute Trauma Studies Program Conference, Yale Psychiatric Institute, New Haven CT, May 17, 1998.
- “Devastating Effects of Childhood Abuse on Mind and Brain” Chair of Symposium at American Psychiatric Association Annual Meeting, Toronto, Canada, May 25, 1998.
- “Lasting effects of childhood abuse on mind and brain” presented as part of symposium “Devastating Effects of Childhood Abuse on Mind and Brain” American Psychiatric Association Annual Meeting, Toronto, Canada, May 25, 1998.
- “Comorbidity of PTSD and Dissociative Disorders” Presented as part of symposium chaired by David Spiegel at American Psychiatric Association Annual Meeting, Toronto, Canada, May 25, 1998.
- “Does Stress Damage the Brain?” Grand Rounds presentation, Department of Psychiatry, Columbia University School of Medicine, New York, NY, August 22, 1998.

- “Lasting Effects of Stress on Memory and the Hippocampus” Grand Rounds presentation, Department of Psychiatry, Yale University School of Medicine, New Haven, CT, Oct. 22, 1998.
- “Neural Mechanisms in Delayed Recall of Childhood Abuse” Plenary Presentation, Trauma Disorders 1998: Theory, Research and Practice. Sheppard Pratt Hospital, Baltimore, MD, Nov. 6, 1998.
- “Effects of childhood abuse on Hippocampus and Memory” presented in symposium “Cognition in PTSD” (P Saigh, Chair), Annual Meeting of International Society for Traumatic Stress Studies, Washington, DC, Nov. 11, 1998.
- “Hippocampus and Memory in PTSD and Depression” presented in symposium “Neural Plasticity in Health and Disease (DS Charney, Chair), American College of Neuropsychopharmacology, Annual Meeting, Puerto Rico, Dec 7, 1998.
- “Hippocampal volume reduction in unipolar major depression” poster presentation, American College of Neuropsychopharmacology, Annual Meeting, Puerto Rico, Dec 7-12, 1998.
- “Decreased frontal cortical function in PTSD” poster presentation, American College of Neuropsychopharmacology, Annual Meeting, Puerto Rico, Dec 7-12, 1998.
- “Does Stress Damage the Brain?” Grand Rounds Presentation, Dept. of Psychiatry, University of Washington School of Medicine, Seattle WA, Jan 13, 1999.
- “PET and SPECT Measurement of Brain Function and Receptor Binding in Anxiety and Depression”. Department of Radiology Invited Lecture, University of Washington School of Medicine, Seattle WA, Jan 14, 1999.
- “Brain Imaging in PTSD” VA PTSD Conference, New Orleans VAMC, New Orleans LA, Jan 16, 1999.
- “Neuroimaging of PTSD and Depression” Dr. Paul Wood Memorial Lecture, Department of Psychiatry, University of Utah School of Medicine, Salt Lake City, Utah, Feb. 8, 1999.
- “Hippocampal function in PTSD” Invited presentation for the VA Medical Advisory Group, Houston, TX, March 1 1999.
- “Lasting effects of childhood abuse on memory, cortisol and the hippocampus.” Paper given in symposium “Neurosciences 1999: Breakthroughs in Brain Imaging”, March 20, 1999, Yale School of Medicine. A joint presentation of the Connecticut Mental Health Center and the Department of Mental Health and Addiction Services, State of Connecticut, in association with the National Alliance for the Mentally Ill-Connecticut.
- “Neuropsychological models and neural mechanisms in dissociation.” Presented in International Symposium About Controversies in Psychiatry: “Dissociative States,” Unitat de Psiquiatria, Hospital Universitari Germans Trias I Pujol, Barcelona, Spain, March 27, 1999.
- “Measurement of Dissociative States with the Clinician Administered Dissociative States Scale: Development and Psychometric Properties.” Presented at the International Epidemiology Association Annual Meeting, Florence, Italy, Sept 1-4, 1999.
- “Neuroimaging in PTSD and Depression.” Grand Rounds presentation, Department of Psychiatry, Medical University of South Carolina, Charleston, S.C., Sept. 14, 1999 (interrupted by hurricane evacuation).

- “Traumatic Memories Lost and Found: Can Lost Memories of Childhood Abuse be Found in the Brain?” Presentation for Yale Psychiatric Institute Trauma Studies Conference, Sept. 15, 1999.
- “Neuroimaging of PTSD” Lecture for New York State Chapter of the American Psychiatric Association, Mystic, Conn., Oct. 4, 1999.
- “Does stress damage the brain? Evidence from neuroimaging studies in PTSD” Grand Rounds Lecture, Department of Psychiatry and Psychotherapy, Freiburg University Clinic, Freiburg, Germany, Oct 10, 1999.
- “Does stress damage the brain?” Invited lecture for New York State Chapter of the American Psychiatric Association, Mystic, Conn., Oct 16, 1999.
- “Lasting effects of childhood sexual abuse on the hypothalamic-pituitary-adrenal axis in women with and without posttraumatic stress disorder (PTSD)” Poster presentation at Annual Meeting of Society for Neuroscience, Miami, FL, Oct 20-25, 1999.
- “Data warehousing in PTSD” Presented as part of an Educational Workshop at Annual Meeting of International Society for Traumatic Stress Studies, Miami, FL, Nov 14-17, 1999.
- “False memories in women with childhood sexual abuse with and without PTSD: an empirical study” presented at Annual Meeting of International Society for Traumatic Stress Studies, Miami, FL, Nov 14-17, 1999.
- “Lasting effects of childhood sexual abuse on the hypothalamic-pituitary-adrenal axis in women with and without posttraumatic stress disorder (PTSD)” presented at Annual Meeting of International Society for Traumatic Stress Studies, Miami, FL, Nov 14-17, 1999.
- “Decreased frontal cortical benzodiazepine receptor binding in posttraumatic stress disorder” Poster presentation at American College of Neuropsychopharmacology Annual Meeting, Acapulco, Mexico, Dec. 12-16, 1999.
- Co-Chair of All-Day Panel Session, “Stress, Hormones, and Neural Circuits: Basic and Clinical Perspectives”. American College of Neuropsychopharmacology Annual Meeting, Acapulco, Mexico, Dec. 12-16, 1999.
- “HPA Axis Function and Hippocampus in Sexually Abused Women with and without PTSD” Presented in Panel “Stress, Hormones, and Neural Circuits: Basic and Clinical Perspectives” (JD Bremner & L Winsky, Co-Chairs). American College of Neuropsychopharmacology Annual Meeting, Acapulco, Mexico, Dec. 12-16, 1999.
- “Hippocampal Function in PTSD” Invited lecture, Veterans Administration Medical Advisory Group Meeting, Houston TX, March 13, 2000.
- Co-chair of symposium “HPA axis and neuroanatomical findings in PTSD” American Psychiatric Association Annual Meeting, Chicago IL, May 15-19, 2000.
- “HPA axis and hippocampus in sexually abused women with PTSD” presentation in symposium “HPA axis and neuroanatomical findings in PTSD” American Psychiatric Association Annual Meeting, Chicago IL, May 15-19, 2000.
- “Decreased frontal cortical benzodiazepine receptor binding in PTSD” new research presentation, American Psychiatric Association Annual Meeting, Chicago IL, May 15-19, 2000.
- Participant in workshop “Trauma and Memory, the Debate goes International” American Psychiatric Association Annual Meeting, Chicago IL, May 15-19, 2000.

- “Alterations in brain structures involved in memory in PTSD” invited lecture for New York Academy of Sciences, Neuropsychology Section, New York, NY, May 21, 2000.
- “Neuroimaging in Psychiatry” Invited lecture for Forum 2000, sponsored by SmithKline Beecham, Hawaii, May 31, 2000.
- “Neuropsychological and neuroanatomical consequences of stress” invited lecture for the Connecticut Neuropsychological Society, West Haven, CT, Sept 8, 2000.
- “Hippocampal Structure and Function in PTSD” invited paper presented in symposium “New advances in neuroimaging in PTSD” International Society for Traumatic Stress Studies Annual Meeting, Nov 17, 2000, San Antonio TX.
- “New advances in neuropeptides as therapeutic agents” invited presentation in “New Therapeutic Advances in Mood and Anxiety Spectrum Disorders” San Juan, Puerto Rico, Dec. 8 2000.
- “Neuroimaging of PTSD and Related Disorders” presented in symposium “The Legacy of PTSD and Beyond” (C Nemeroff and M Stein, Co-chairs), American College of Neuropsychopharmacology, Annual Meeting, Puerto Rico, Dec 11, 2000.
- “Increased cortisol reactivity to stressors in abuse-related PTSD” Poster presentation at American College of Neuropsychopharmacology, Annual Meeting, Puerto Rico, Dec 11, 2000.
- “Neurobiology and Treatment of PTSD” Invited lecture for PsychNet 2001, GlaxoSmithKline, Orlando FL, February 28, 2001.
- “Deficits in hippocampal structure and function in women with childhood sexual abuse-related PTSD”, Presented at the Annual Meeting of the Anxiety Disorders Association of America, March 22-25, 2001, Atlanta GA.
- “Neurobiology and Treatment of PTSD”, in symposium “Assessment and Treatment of Children and Adults with PTSD” (J Bremner & P Saigh, Co-chairs), Presented at the Annual Meeting of the Anxiety Disorders Association of America, March 22-25, 2001, Atlanta GA.
- Co-chair, “Assessment and Treatment of Children and Adults with PTSD” (J Bremner & P Saigh, Co-chairs), Presented at the Annual Meeting of the Anxiety Disorders Association of America, March 22-25, 2001, Atlanta GA.
- “Neurobiology of PTSD” Plenary session of the Dutch National Psychiatric Association, Rotterdam, The Netherlands, April 5, 2001.
- “Is there an epidemic of depression?” presentation for the lay public as part of “Conversations at the Carter Center”, Rosalyn Carter (Chair), Atlanta GA, April 19, 2001.
- “Deficits in hippocampal structure and function in childhood sexual abuse-related PTSD” invited lecture for symposium “Trauma and Memory” (Kristen Alexander and Jodie Quaas, Co-Chairs) Annual Meeting of the Society for Research on Child Development, Minneapolis, April 19-24, 2001.
- “Looking into the Mind’s Eye of PTSD” presented as part of program “Future Leaders in Psychiatry,” Boca Raton, FL, April 20-22, 2001.
- “Effects of Captivity Stress on Cardiovascular Disease” invited lecture for Robert Mitchell Center for RPOW Studies/Center for Naval Analysis/Naval Operational

Medicine Institute Conference on RPOW Studies, Alexandria, VA, April 23-24, 2001.

- “Neurobiology of PTSD” Invited lecture for the American Society of Hispanic Psychiatrists, New Orleans, LA, May 1, 2001.
- “Role of hippocampus and medial prefrontal cortex in abuse-related PTSD” Presented as part of symposium, “Childhood Sexual Abuse: Victims and Perpetrators” (I. Galynker & JD Bremner, Co-Chairs), Annual Meeting of the American Psychiatric Association, New Orleans, LA May 5-10, 2001
- “Trauma and Memory Related to Bosnian Genocide: The Debate Goes International” Invited participant in Workshop for American Academy of Psychiatry and the Law, Annual Meeting, Boston MA, Oct. 25, 2001.
- “Failure of hippocampal activation in recurrent depression” oral presentation at Society for Neuroscience Annual Meeting, San Diego, CA, Nov 14-18, 2001.
- Participant in Workgroup “Early Responses to Trauma” sponsored by NIMH; presented “Alterations in brain structure and function in PTSD”, Bethesda, MD, Nov. 15-16, 2001
- “Effects of Stress and Anxiety on Brain Structure and Function: Lessons from Combat-related and Civilian PTSD” Invited lecture for the 23rd Annual PUK Symposium: “Posttraumatische Stress Stoornis...van neurobiologische modelvorming tot klinisch inzicht”. Utrecht, The Netherlands, Nov. 28, 2001.
- Chair of Symposium: “Neural Mechanisms in Posttraumatic Stress Disorder: Part II” Annual Meeting of the International Society of Traumatic Stress Studies, New Orleans, LA, Dec. 6, 2001.
- “Positron emission tomographic imaging of neural correlates of fear conditioning in PTSD” presented in Symposium: “Neural Mechanisms in Posttraumatic Stress Disorder: Part II” Annual Meeting of the International Society of Traumatic Stress Studies, New Orleans, LA, Dec. 6, 2001.
- “Neural correlates of exposure to the neutral and emotional Stroop in abuse-related PTSD” Presented in Symposium: “Neural Mechanisms in Posttraumatic Stress Disorder: Part I (Jim Hooper PhD, Chair) ” Annual Meeting of the International Society of Traumatic Stress Studies, New Orleans, LA, Dec. 6, 2001.
- “Neural correlates of fear conditioning in PTSD” poster presentation at the Annual Meeting of the American College of Neuropsychopharmacology, Waikaloa, Hawaii, Dec 9-14, 2001.
- “Neurophysiological mechanisms in dissociation.” Invited presentation for symposium “Estados Dissociativos (Dissociative Phenomena): Controversias em Psiquiatria (Controversies in Psychiatry)” (Chaired by Prof M. Luisa Figueira), Sintra, Portugal, Jan 12, 2002.
- “Neurobiology of PTSD” Atlanta VAMC Grand Rounds Presentation, Jan 15, 2002.
- “Pathways mediating the effects of stress on depression” Invited plenary lecture for the American College of Psychiatry, Mauna Lani, Hawaii, February 26, 2002.
- “Recent advances in the neurophysiology of trauma” invited plenary lecture for the American Society of Clinical Hypnosis annual meeting, Indianapolis IN, March 19, 2002.
- “Does Stress Damage the Brain?” Invited lecture for the NIMH Mood and Anxiety Disorders Program Distinguished Lecture Series, April 1, 2002, Bethesda MD.

- “Alterations in brain structure and function in PTSD” Invited lecture and invited participant in Sedona Conference “Effects of early life events on mind brain body interactions”, Sedona, AZ, April 7-11, 2002.
- “Memory and the hippocampus in posttraumatic stress disorder” Invited lecture for the Spring Hippocampus Research Conference, Grand Cayman, April 13-20, 2002.
- Discussant for “Functional imaging and the control of emotion and impulsivity in borderline personality disorder”, Workshop for Annual meeting of the Society for Biological psychiatry annual meeting, Philadelphia PA, May 7-12, 2002.
- “Neural correlates of memory for emotional words in abuse-related PTSD” presented in child/anxiety paper session, Society for Biological psychiatry annual meeting, Philadelphia PA, May 7-12, 2002.
- “Neural pathways in stress” Presentation at Society for Biological Psychiatry annual meeting, Philadelphia PA, May 7-12, 2002.
- “Neural correlates of fear conditioning and extinction in women with childhood abuse-related posttraumatic stress disorder” Presentation at the Annual Meeting for the Society of Nuclear Medicine, Los Angeles CA, June 16, 2002.
- “Neurobiology of PTSD and Depression” lecture for the Emory Program for Training of Psychiatry Residents, a national program held at Palm Beach, FL, Aug 22-26, 2002.
- “Neurobiology and Treatment of PTSD” presented as part of symposium “Neurobiology of Trauma related Disorders” World Psychiatry Congress Annual Meeting, Yokohama Japan, Aug 26-29, 2002.
- “Hippocampus and Memory in Twins with and without Vietnam Combat Service and PTSD” presented in symposium “New Brain Imaging Studies in PTSD” International Society of Traumatic Stress Studies Annual Meeting. Baltimore, MD, Nov 9-11, 2002
- “Neurobiology and Treatment of PTSD” presented in symposium “Biology and Clinical Psychopathology of Trauma, Stress and Dissociation” joint session of the International Society of Traumatic Stress Studies, and International Society for the Study of Dissociation. Baltimore, MD, Nov 9-11, 2002
- “Depression and Bipolar Support Alliance Consensus Conference on Diagnosis and Treatment of Depression in the Medically Ill”, Washington, DC, Nov 12-13, 2002. Participant in Consensus Conference and in Workgroup on “Stroke, Parkinson’s Disease and Alzheimer’s Disease.”
- “Does Stress Damage the Brain? Invited plenary lecture for Program “Nye udfordringer I arbejdsmedicinen”, Dept. of Occupational Medicine, Aarhus University Hospital, Aarhus, Denmark, Nov. 21, 2002.
- “Hippocampal volume in dizygotic twins discordant for Vietnam combat exposure and PTSD” presented at American College of Neuropsychopharmacology Annual Meeting, San Juan PR, December 9, 2002.
- “Neurobiology and treatment of PTSD” invited lecture and participant in the conference “Trauma, Culture and the Brain” sponsored by the Foundation for Psychocultural Research and UCLA, Los Angeles CA, Dec 13-15, 2002.
- “Does Stress Damage the Brain?” Invited lecture, St. Josef Hospital & University of Leuven, Leuven, Belgium, March 21, 2003.

- “Recent Research Findings in PTSD” Invited lecture, University of Utrecht, Utrecht, The Netherlands, March 23, 2003.
- “The Neurobiology of Early Trauma” invited lecture for Satellite Symposium of the Anxiety Disorders Association of America Annual Meeting, Toronto, Canada, March 26-9, 2003
- “PET and MRI Studies of Mood and Anxiety Disorders” presented as part of symposium “Common Circuits in Depression and Anxiety: Evidence from Neuroimaging Studies” Anxiety Disorders Association of America Annual Meeting, Toronto, Canada, March 26-9, 2003.
- “Does Stress Damage the Brain” Invited lecture for the Annual Meeting of the Colorado Neuropsychological Association, Denver, CO, April 2, 2003.
- “Effects of Stress on Mind, Brain and Body: Evidence from Neuroimaging Studies” Invited Lecture for the UCLA Center for Integrative Medicine, Los Angeles CA, May 12, 2003.
- “Does Stress Damage the Brain?” Invited Lecture for the UCLA Center for Ulcer Research, Los Angeles CA, May 13, 2003.
- “Memory and the Hippocampus in Vietnam Twins with PTSD” presented in paper session at Annual Meeting of Society of Biological Psychiatry, San Francisco CA, May 14-18, 2003.
- “Neural Correlates of Memory for Emotionally Valenced (Sad) Words in Patients with Unipolar Major Depression” poster presented at Annual Meeting of Society of Biological Psychiatry, San Francisco CA, May 14-18, 2003.
- “Is BPD a Variant of PTSD? Evidence from Neuroimaging Studies” presented in workshop at Annual Meeting of Society of Biological Psychiatry, San Francisco CA, May 14-18, 2003.
- “Does Stress Really Damage the Brain” presented in workshop at Annual Meeting of Society of Biological Psychiatry, San Francisco CA, May 14-18, 2003.
- “Does Stress Damage the Brain?” invited plenary lecture at the European Society for Traumatic Stress Studies, Berlin, Germany, May 22, 2003.
- “Effects of pharmacological treatment on brain structure in PTSD” Invited plenary lecture for the Annual Meeting of the International Society for Psychoneuroendocrinology, New York NY, Sept 10, 2003.
- “Brain imaging in PTSD” invited presentation for “PTSD Roundtable” sponsored by GlaxoSmithKline, New York, NY, Sept 14, 2003.
- “Neurobiology of Early Stress” Grand Rounds presentation, Department of Pediatrics, Virginia Commonwealth University School of Medicine, Richmond, Virginia, Oct. 14, 2003.
- “HPA axis and serotonergic function in PTSD” part of symposium “An integration of pathophysiology and pharmacotherapy of PTSD” Annual Meeting of the International Society for Traumatic Stress Studies, Chicago IL, Oct 29-31, 2003.
- “Memory and the Hippocampus in Vietnam Twins with PTSD” part of symposium “New research in brain imaging in PTSD” Annual Meeting of the International Society for Traumatic Stress Studies, Chicago IL, Oct 29-31, 2003.

- “Regional metabolic correlates of alpha-methyl paratyrosine induced return of depressive symptoms” presented at Annual Meeting of the Society for Neuroscience, New Orleans, LA, Nov 11, 2003.
- “Effects of glucocorticoids on verbal declarative memory in posttraumatic stress disorder” presentation at Annual Meeting of the American College of Neuropsychopharmacology, San Juan PR, Dec 8-12, 2003.
- “Does stress damage the brain?” Grand Rounds in Psychiatry, Vanderbilt University School of Medicine, Jan 13, 2004.
- “Does Stress Damage the Brain?” Invited lecture for the Colorado Psychiatric Society, Englewood CO, January 23, 2004.
- “Neurobiology of PTSD” Invited lecture at the Department of School Psychology, Teachers College, Columbia University, New York, Feb 19, 2004.
- “Neurobiology of Early Life Stress in Women with Posttraumatic Stress Disorder” presented in symposium “Biological, Cognitive and Behavioral Changes Associated with Early Trauma In Women” (Mazure, Chair) at 2nd World Congress for Women’s Mental Health, International Association for Women’s Mental Health, Washington DC, March 17-20, 2004.
- “HPA Axis and Serotonin Function in PTSD” presented as part of panel, Neurobiology and Neuropharmacology of PTSD, L Davis, Chair, Annual Meeting of the American Psychiatric Society, New York, May 6, 2004.
- “Does Stress Damage the Brain?” Invited Keynote Address, Bi Annual Retreat, Developmental Psychobiology Research Group Training Program, University of Colorado Health Sciences Center, Estes Park CO, May 19, 2004.
- “Role of the Hypothalamic-pituitary-adrenal Axis in Stress-induced Glutamate Pathology in Hippocampus” invited lecture as part of symposium on “The Role of Glutamate in Stress Response” (G. Marek, Chair), presented at 5th World Congress on Stress, International Society for the Investigation of Stress, King’s College, London, June 18, 2004.
- “Alterations in Brain Structure and Function in Posttraumatic Stress Disorder” presented in symposium “Update on PTSD: From Acute Trauma to Chronic Disorder” (J. Zohar, Chair) at XXIVth Collegium Internationale Neuropsychopharmacology Congress, Paris, June 23, 2004.
- “Memory and the Hippocampus in PTSD” Invited lecture for 13th Hakone Psychopharmacological Symposium, Hakone, Japan, September 5, 2004.
- “Neurobiology of Sexual Abuse in Women” Invited lecture, Japan National Institute of Health, Tokyo, Japan, Sept. 7, 2004.
- “Does Stress Damage the Brain?” invited lecture for Co-Occurring Disorders Inst., Wasila, AK, Sept. 20, 2004.
- “Functional brain imaging abnormalities in acne patients treated with isotretinoin” presented at Annual Meeting of Society for Neuroscience, San Diego CA, Oct. 22-26, 2004.
- “Childhood abuse and PTSD” presented in NIH Workshop “Fibromyalgia: The Next Advances” jointly sponsored by Oregon Health & Science University and The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMSD), NIH, Washington DC, November 11-12, 2004

- “PTSD and the Effect of Interventions” invited lecture for “Neuroimaging, de invloed van therapeutische interventies”, Parnassia Hospital, The Hague, Netherlands, Dec 10, 2004.
- “Treatment of posttraumatic stress disorder with phenytoin: An open label pilot study.” Poster presentation at the Annual Meeting of the American College of Neuropsychopharmacology, San Juan PR, Dec 12-16, 2004.
- “Effects of phenytoin on memory, cognition, and brain structure in posttraumatic stress disorder: A pilot study.” Poster presentation at the Annual Meeting of the American College of Neuropsychopharmacology, San Juan PR, Dec 12-16, 2004.
- “Effects of stress and depression on stress-induced myocardial ischemia in patients with Coronary Heart Disease” Poster presentation at Annual Meeting of American Psychosomatic Society, Vancouver BC, Feb 28-March 3, 2005.
- “Effects of stress and depression on stress-induced myocardial ischemia in patients with Coronary Heart Disease” slide presentation at Annual Meeting of Society of Biological Psychiatry, Atlanta GA, May 20-22, 2005.
- “Effects of isotretinoin on brain function in acne patients”, poster presentation at Annual Meeting of Society of Biological Psychiatry, Atlanta GA, May 20-22, 2005.
- “Brain imaging in psychiatry,” presented as part of symposium “Research advances in psychiatry,” Annual Meeting of the American Psychiatric Association, Atlanta GA, May 23-25, 2005
- “Effects of isotretinoin on brain function in acne patients”, poster presentation at Annual Meeting of the American Psychiatric Association, Atlanta GA, May 23-25, 2005.
- “Neural Circuits in Trauma Spectrum Disorders”, presentation as part of symposium “Disturbed fronto-limbic brain circuitry: How specific is it for different psychiatric disorders” (K. Lieb, Chair), presentation at Annual Meeting of the American Psychiatric Association, Atlanta GA, May 23-25, 2005
- “Effects of Stress on Brain Structure and Function: Applications to Trauma Spectrum Disorders”, invited lecture for 2005 Workshop on the Neuroendocrinology of Stress, supported by the American Neuroendocrine Society, San Diego, CA, June 1, 2005.
- “Relationship between Cognitive and Brain Changes in PTSD”, invited lecture for “Psychobiology of PTSD: A Decade of Progress”, New York Academy of Sciences, New York NY, Sept 11-13 2005.
- “Mental depression and cardiovascular disease” invited lecture for American Heart Association Sponsored Workshop on Emerging Concepts on Neural Interactions in Hypertension, Washington DC, Sept. 21, 2005.
- “Structural and Functional Brain Imaging of Trauma Spectrum Disorders,” invited Grand Rounds presentation at Wake Forest University School of Medicine, Winston-Salem, NC, December 1, 2005.
- “Hippocampus in Stress Related Psychiatric Disorders” invited lecture for the Annual Meeting of the American College of Psychiatrists, San Juan, P.R., Feb 22, 2006.
- “Plasma cholesterol concentrations in depression and posttraumatic stress disorder,” poster presentation and published abstract, Annual Meeting of the American Psychosomatic Society, Denver CO March 1-4, 2006.

- “Single photon emission computed tomography (SPECT) measurement of myocardial perfusion in repatriated prisoners of war,” poster presentation and published abstract, Annual Meeting of the American Psychosomatic Society, Denver CO March 1-4, 2006.
- “Longitudinal assessment of cortisol in repatriated prisoners of war,” poster presentation and published abstract, Annual Meeting of the American Psychosomatic Society, Denver CO March 1-4, 2006.
- “Genetic and Neurobiologic Risk Factors for PTSD”, invited lecture for VA/DOD/NIH Meeting, “Mapping the Landscape of Deployment Related Mental Health Illness” Washington DC, May 18-19, 2006.
- “Memory and the Hippocampus in Vietnam Twins with PTSD” invited lecture to the Georgia Prevention Institute, Medical College of Georgia, Augusta GA May 20 2006.
- “Lipid concentrations in patients with posttraumatic stress disorder and depression,” poster presented at International Symposium on Atherosclerosis, Rome Italy June 18-22, 2006.
- “Structural and functional plasticity of the human brain in posttraumatic stress disorder,” invited lecture for the Dutch Royal Academy of Arts and Sciences, Amsterdam, The Netherlands, Aug 29, 2006.
- “Brain morphology and psychiatric consequences of childhood sexual abuse,” invited lecture for symposium “Early stress and psychiatric outcomes,” chaired by R. de Kloet and F. Noble, Annual Meeting of the European College of Neuropsychopharmacology, Paris, France, Sept 16-20, 2006.
- “Neural correlates of stress induced myocardial ischemia in coronary heart disease patients with and without depression,” poster at Society for Neuroscience Annual Meeting, Atlanta GA October 16 2006.
- “Brain imaging and neurobiology of PTSD in returning OIF veterans,” invited talk for Defense Appropriations Research Program Agency (DARPA) meeting on “Non kinetic war trauma”, Alexandria VA, October 23, 2006.
- “Neural and cardiac correlates of resilience and recovery from traumatic stress”, presented in symposium “Mechanisms in resilience and recovery from traumatic stress (JD Bremner, Chair), Annual Meeting of the International Society for Traumatic Stress Studies” Hollywood CA, Nov 4-7, 2006.
- “Glutamate, memory, the hippocampus and dissociation” presented in symposium “New Perspectives in Post-traumatic Dissociation” (R. Lanius, Chair) Annual Meeting of the International Society for Traumatic Stress Studies” Hollywood CA, Nov 4-7, 2006.
- “Memory and the hippocampus in Vietnam twins with PTSD”, poster presentation at the Annual Meeting of the International Society for Traumatic Stress Studies” Hollywood CA, Nov 4-7, 2006.
- “Long term neurobiological effects of childhood abuse” invited lecture presented as part of “Brainstorm” for Brain Awareness Week, sponsored by the Vanderbilt Brain Institute and Vanderbilt University, February 28, 2007.
- “Neurobiology of Childhood Abuse Related PTSD” invited lecture for symposium ‘Psychosomatic Medicine and PTSD: From Bench to Bedside to Community,’ American Psychosomatic Society Annual Meeting, Budapest, Hungary, March 7, 2007.

- “PTSD and Substance Abuse: Neurobiology” invited lecture in symposium “PTSD and Substance Abuse: Diagnosis, Neurobiology and Treatment” (C. Whitfield, Chair) American Substance Abuse Medicine Annual Meeting, Miami FL April 27, 2007.
- ‘Effects of traumatic stress on brain and relationship to physical health,’ presented in ‘Effects of Trauma on Neurobiology and Physical Health,’ Symposium at European Conference on Traumatic Stress, Opatija, Croatia, June 9, 2007.
- ‘Brain imaging in anxiety disorders’, presented at the Gordon Research Conference ‘The Amygdala’, Bates College, Lewiston Maine, Aug 2, 2007.
- ‘Effects of childhood abuse on the brain: Lessons from neuroimaging’, presented at the 13th Annual Habeus Corpus Convention, Nashville TN, Aug 16, 2007
- ‘Childhood trauma and cardiovascular disease’ poster presented as last author, European Society for Cardiology Annual Meeting, Vienna, Austria, Sept 4, 2007.
- ‘Brain Imaging of Childhood Abuse Related Posttraumatic Stress Disorder’ invited lecture for the International Society of Brain Mapping and Intraoperative Surgical Planning (ISBMISP), Annual Meeting, Washington DC, Sept 8, 2007.
- ‘Neural correlates of stress induced myocardial ischemia in patients heart disease with and without depression’ poster presented at the Annual Meeting of the American College of Neuropsychopharmacology, Boca Raton FL, Dec 6-10 2007.
- ‘Neurobiology and brain imaging of trauma-related psychiatric disorders,’ Grand Rounds presentation, Dept of Psychiatry, University of Chicago, Chicago IL, Jan 31, 2008.
- ‘Neurobiology of trauma’ invited lecture for Annual Meeting of the Georgia Psychiatric Physicians Association (GPPA), Atlanta, GA, Feb 15, 2008
- ‘Neurobiology of affective disorders,’ invited lecture for the Department of Neuroscience, University of Aberdeen, Scotland, July 2, 2008.
- “Functional Imaging of Depression,” invited lecture for 6th Annual International Workshop on Neural Plasticity, St Paul de Vence, France, September 26-28, 2008.
- “Neurobiology and Neuroimaging of psychological Trauma” invited presentation for the Research and Resources Center for Victims of Torture, Torture Rehabilitation Conference, Copenhagen, Denmark, Dec 3-4, 2008.
- “Memory and the hippocampus in Vietnam twins” part of panel “Twin studies in PTSD” Chaired by Roger Pitman MD, Annual meeting of the American College of Neuropsychopharmacology, Scottsdale AZ Dec 7-11, 2008.
- “Effects of Mental Stress Induce Myocardial Ischemia on Brain Function in Patients with Depression” poster presented at the Annual Meeting of the American Psychosomatic Society, March 4-7, 2009
- “Neuroplasticity in PTSD”, invited lecture for Joint SAN/COST B27 Training Schools on Neurofeedback and ADHD & International Course and Conference MIND AND BRAIN VI: Neuroplasticity of Brain and Behavior, April 16-21, 2009, Dubrovnik, Croatia.
- “Declarative Memory for Neutral and Emotional Material in PTSD” presented as part of session, “Information Processing and PTSD: Cognitive Research Across Different Stages of Processing,” co-chaired by N Fani and JD Bremner, International Society of Traumatic Stress Studies, Annual Meeting, Atlanta GA, Nov 4-8, 2009

- “Neural Correlates of Learning in PTSD” presented as part of session “Hippocampal Neuroplasticity in PTSD: Evidence from Brain Imaging” chaired by R Yehuda, International Society of Traumatic Stress Studies, Annual Meeting, Atlanta GA, Nov 4-8, 2009
- Member of panel “Therapeutic and Research Implications of a Dissociative Subtype of PTSD”, International Society of Traumatic Stress Studies, Annual Meeting, Atlanta GA, Nov 4-8, 2009
- “Cognitive and Physiological Factors Underlying PTSD” presented as part of “Third Annual Symposium on Cognitive Impairment and CNS Diseases” Lilly Centre for Neurosciences, Erl Wood Manor, Windlesham, Surrey, UK, Nov 19, 2009
- “Plasma Homocysteine Concentrations and Depression in Twins” poster presented at the Annual Meeting of the American Psychosomatic Society, Portland OR, March 10-14, 2010.
- Presented at Ben Franklin Institute Summit in Chicago IL “Freud Meets Buddha” invited lectures “Trauma and Neuroscience: The Connection” “Neuroscience and Brain Imaging of Trauma-related Disorders” and “Brain Imaging of Anxiety Disorders”, March 19, 2010.
- Presented at Ben Franklin Institute Summit in Tucson AZ, “Depression and Heart Disease”, “Mindfulness Treatment of PTSD” and “Before You Take that Pill: Focus on Psychotropics”, Oct 21-22, 2010.
- “Mediterranean Diet and Neuropsychiatric Disorders” presented as part of conference “Mediterranean Diet and Health” at Emory University, Chaired by V. Vaccarino and G. Trovato, Dec 3, 2010.
- “Does Stress Damage the Brain” and “Before You Take that Pill: Focus on Psychotropics”, presented at National Institute of Clinical and Behavioral Medicine meeting in Hilton Head, S.C., Dec 6-10, 2010.
- “Treatment of PTSD in Iraq Veterans with Mindfulness Based Stress Reduction” poster presented at the Annual Meeting of the American Psychosomatic Society, San Antonio TX, Mar 9-12, 2011.
- Participated in workshop and presented “MRI: Assessing cognitive and behavioral correlates of brain disease” at “Review and Analysis Workshop on Methods and Metrics for the Biological Assessment of Brain Dysfunction” co-chaired by Col Karl Friedl, PhD, Telemedicine & Advanced Technology Research Center (TATRC), Ft Detrick, MD, US Army Medical & Materiel Research Command; Dr. Robert Kane, PhD, Defense and Veterans Brain Injury Center (DVBIC), Washington DC; Jay H. Shore, MD MPH (TATRC); Victoria Tepe PhD, Survivability/Vulnerability Information Analysis Center (SURVCIAC); Georgetown University Inn, Georgetown, MD, May 24-25, 2011.
- Presented at Ben Franklin Institute Summit in Atlanta GA, “Neuroimaging of PTSD”, Sep 22-24, 2011.
- Presented “Neural Correlates of Fear Learning in PTSD” in symposium “Update on Neuroimaging and PTSD: Evolving Methods and New Directions” (Brian Engdahl, PhD, Chair) at International Society for Traumatic Stress Studies (ISTSS) Baltimore MD Nov 3-6, 2011.

- “Retinoic Acid and Affective Disorders: The Evidence for an Association” presented poster at Annual Meeting of the American College of Neuropsychopharmacology, Dec 5-9, 2011, Miami Beach FL.
- “Neuroimaging of PTSD” Emory Psychiatry Grand Rounds, Feb. 22, 2012, Atlanta GA
- “Neurobiology and neuroimaging of early stress in women,” paper presented at conference “Women, Stress and Health,” chaired by Kristina Orth-Gomér and Hans-Christian Deter, Karolinska Institute, Stockholm, Sweden, March 9, 2012.
- “The relative contributions of posttraumatic stress disorder and major depression to coronary heart disease risk: A prospective twin study,” presented at Annual Meeting of the American Psychosomatic Society, Athens Greece, March 12-16, 2012.
- “Declarative memory function in twins discordant for combat-related posttraumatic stress disorder,” poster presentation at 14th Congress of the International Society for Twin Studies, Florence, Italy, April 1-7, 2012.
- “Brain Imaging of Anxiety Disorders” and “Effects of Childhood Abuse on the Brain: Lessons from Neuroscience” presented at the Ben Franklin Inst. Summit at Columbus OH April 13, 2012.
- Keynote lecture of 27th Annual Dartmouth Neuroscience Day, “Neurobiology of PTSD”, Dartmouth College, Hanover, NH, April 5, 2013.
- “DSM-5 and the Trauma Spectrum Psychiatric Disorders,” invited presentation for “The DSM-5 Controversy–President’s Symposium,” Brent D. Robbins, Ph.D., Chair, American Psychological Association Annual Meeting, Division 32, Society for Humanistic Psychology, Orlando, Florida, August 2, 2012.
- “Biomarkers of PTSD” Annual Meeting of the International Society of Psychoneuroendocrinology (ISPNE), Leiden, The Netherlands, Aug 21, 2013
- “Brain Imaging in PTSD”, Satellite Meeting of the ISPNE at the Dutch Naval Center, The Use of Biomarkers in the Military: From PTSD Susceptibility to Disease, Amsterdam, The Netherlands, Aug 23, 2013.
- “Mechanisms of Stress and Depression in Cardiovascular Disease,” presented at the conference “Psychological Stress and the Heart,” sponsored by the Emory Clinical Cardiovascular Research Institute (ECCRI), the Division of Cardiology, and the Department of Psychiatry in the Emory University School of Medicine and the Department of Epidemiology in the Rollins School of Public Health at Emory University, Atlanta, GA, October 18, 2013.
- “40 Years of Silence,” film by Robert Lemelson, PhD, symposium discussant, Emory University Mind, Brain and Culture Institute, October 21, 2013.
- Invited participant in: “Severe Trauma & Torture Treatment Workshop: Strategies in Research, Treatment, Education, & Advocacy,” for the National Consortium of Torture Treatment Programs (NCTTP) Oct 4-6, 2013, Portland, Oregon.
- “Depression symptoms are associated with arterial stiffness with mental stress.” Co-presenter at Annual Meeting of the American Psychosomatic Society, March 11-15, 2014, San Francisco, CA
- Participant in Academy of Behavioral Medicine Research meeting at Warrenton, Virginia, Jun 25-29, 2014.

- Invited Lecture, “Guiding Clients in Recovery from Psychological Trauma” Atlanta, GA, Ben Franklin Institute, October 2014.
- Invited Lecture, “Recovery from Psychological Trauma” Las Vegas, Nevada, November 2014.
- “Brain Correlates of Mental Stress-Induced Myocardial Ischemia,” poster presentation at the Annual Meeting of the American Psychosomatic Society, Savannah, Georgia, March 18-21, 2015.
- “Neurobiology of Stress, Depression and PTSD and Applications to Mechanisms in Cardiovascular Disease,” presented at the annual Academy of Behavioral Medicine Research meeting at Cambridge, Maryland, June 25-28, 2015. Also participant in conference.
- “Stress, Behavior and Heart Disease”, invited lecture and also conference participant, “Heart and Behavior. Stress, behavior and the heart.” (M. Esker, N. Montano, A. Gofio, V. Vaccarino, Directors), Ettore Majorana Foundation and Centre for Scientific Culture, Erice, Sicily, Italy, Oct. 1-6, 2015.
- “Mechanisms of Stress, PTSD and Depression in Increased Risk for Cardiovascular Disease,” invited presentation for Academy of Behavioral Medicine Research (ABMR), Whistler, BC Canada June 22-26, 2016.
- “Treating PTSD with MBSR”, CE lecture for Vendome, Atlanta, GA, October 7, 2016.
- “Neurobiology of Early Childhood Abuse,” CE lecture for Vendome, Atlanta, GA, October 7, 2016.
- “Closed Loop Vagal Nerve Stimulation in Patients with Posttraumatic Stress Disorder,” presented at Defense Advanced Projects Agency (DARPA) Biological Technologies Office (BTO) Targeted Neuroplasticity Training Kickoff Meeting, San Diego, CA, Nov. 8-9, 2016.
- Panel participant “Brain Physiology,” Defense Advanced Projects Agency (DARPA) Biological Technologies Office (BTO) Electric Prescriptions (ElectRx) meeting, San Diego, CA, Nov. 8-9, 2016.
- Panel participant “Human Physiology” presented at Defense Advanced Projects Agency (DARPA) Biological Technologies Office (BTO) Targeted Neuroplasticity Training (TNT) meeting, San Diego, CA, Nov. 9-10, 2016.
- “Neurobiology and Neuroimaging of Posttraumatic Stress Disorder,” Grand Rounds Presentation, Department of Psychiatry, University of Arkansas Medical Center, Little Rock, Arkansas, February 23, 2017.
- “Effects of Mindfulness Based Stress Reduction on PTSD Symptoms and Brain Response to Stress in OIF/OEF Combat Veterans with Posttraumatic Stress Disorder,” poster presentation and conference participant, Annual Meeting of the American Psychosomatic Society, Seville, Spain, March 12-15, 2017.
- Working Group Member and conference participant, State of the Science Summit (SoSS), Pathophysiology of Posttraumatic Stress Disorder, Rethinking Drug Targets, sponsored by the U.S. Army Medical Research and Materiel Command’s Military Operational Medicine Research Program (MOMRP) and U.S. Army Medical Materiel Development Activity (USAMMDA) Neurotrauma and Psychological Health Project Management Office (NPH MPO), at the National Conservation Training Center, Sheperdstown, West Virginia, June 13-15, 2017.

- Conference participant, “Transdiagnostic Risk Mechanisms: Accelerating the Impact of Behavioral Medicine,” Academy of Behavioral Medicine Research (ABMR), Santa Fe, New Mexico, June 21-24, 2017.
- “The Role of Medical Science: Physiology and False Memories,” presented in panel presentation “Exonerated: Amanda Knox and Raffaele Sollecito, Ten Years and Many Insights Later.” Annual Meeting of the International Academy of Law and Mental Health (IALMH), Prague, Czech Republic, July 9-14, 2017.
- “Mechanisms of Stress and Depression in Cardiovascular Disease,” talk presented in paper session “Neuroscience,” at American Psychosomatic Society Annual Meeting, Louisville, Kentucky, March 7-11, 2018.
- Workshop Participant in the Arizona State University Lincoln Center for Applied Ethics Workshop “Targeted Neuroplasticity Training (TNT) Ethics: Training Optimization Through Peripheral Nerve Stimulation,” Arizona State University Washington Center, Washington, D.C., March 30, 2018.
- “Wearable Patch Sensor Gated Closed Loop Transcutaneous VNS in Patients with Posttraumatic Stress Disorder,” invited presentation in panel “Old and New Ways of Vagal Nerve Stimulation”, Neuromodulation Conference and North American Neuromodulation Society Annual Meeting, New York, NY, Aug 23-24, 2018.
- “Non-Invasive Vagal Nerve Stimulation as a Promising Form of Neuromodulation with Application to Mental Health Disorders,” poster presentation in “Late Breaking Abstracts,” as part of the Neuromodulation Conference and North American Neuromodulation Society Annual Meeting, New York, NY, Aug 23-24, 2018.
- “Mechanisms of Stress, Depression, and PTSD in Cardiovascular Disease and Response to Interventions,” invited talk for the Annual Meeting of the Southeast Biofeedback and Clinical Neuroscience Association, Atlanta, GA, November 2, 2018.
- “Neuromodulation in Stress and Psychiatry,” invited presentation as part of panel “Bioelectronic Medicine’ (Chris Czura, chair), Bi-annual meeting of Neuromodulation: The Science, Cleveland, Ohio, November 2-5, 2018.
- “Non-invasive Vagal Nerve Stimulation in PTSD,” presented at the Center for Visual and Neurocognitive Rehabilitation Symposium, Atlanta VAMC, Atlanta GA November 8, 2018.
- “The Neurobiology of Posttraumatic Stress Disorder,” webinar presented for Trauma Education Essentials, December 4, 2018.
- “Closed Loop Vagal Nerve Stimulation in Posttraumatic Stress Disorder,” presented at Targeted Neuroplasticity Training Mini-PI Meeting, Biological Technologies Office, Defense Advanced Research Projects Agency, Arlington, Virginia, December 4, 2018.
- “Non-Invasive Vagal Nerve Stimulation Paired with Stress Stimuli in Posttraumatic Stress Disorder,” presented as part of panel Advances in Paired Non-Invasive Vagus Nerve Stimulation Therapeutics, Bashar Badran, PhD, Chair. Brain Stimulation Conference BRST2019, Vancouver, British Columbia, Canada, February 24-28, 2019.
- “Mechanisms of Posttraumatic Stress Disorder and Cardiovascular Disease: Is it the Chicken or the Egg?” Discussant and Chair, Annual Meeting of the American Psychosomatic Society, Vancouver, British Columbia, Canada, March 6-9, 2019.

- “Closed Loop Vagal Nerve Stimulation in Posttraumatic Stress Disorder” poster presented at Targeted Neuroplasticity Training Performers Meeting, Defense Advanced Research Projects Agency Biotechnology Office, Boulder, Colorado, March 13-15, 2019.
- “FDA Clearance, Testing and Implementation in Human Subjects of Non Invasive Vagal Nerve Stimulation,” invited presentation for the Targeted Neuroplasticity Training Performers Meeting, Defense Advanced Research Projects Agency Biotechnology Office, Boulder, Colorado, March 13-15, 2019.
- Fellow and attendee, Academy of Behavioral Medicine Research Annual Meeting, Tucson, AZ June 25-29, 2019.
- “Physiology and False Memories: The Role of Medical Science” presentation in panel “The True Case of Amanda Knox, an Innocent Abroad” presented at the XXXVIth Congress on Law and Mental Health, Annual Meeting of the International Academy of Law and Mental Health, July 21-26, 2019, Rome, Italy.
- “Non-invasive Vagal Nerve Stimulation for PTSD, Memory, and Opioid Use Disorders,” presented as part of panel “Noninvasive Vagus Nerve Stimulation Applied to Stress Management, Opioid Withdrawal, and Neurocognitive Disorders” (Gurel, Chair) in NYC Neuromodulation 2020 Online Conference, April 20-22, 2020.
- Panel participant and speaker “Effects of Noninvasive Vagal Nerve Stimulation on Stress” part of Emory-Georgia Tech Healthcare Innovation Symposium XXXVI “COVID Stress – The 2nd Pandemic: Problems and Potential Resources,” Fred Sanfilippo MD, PhD, Moderator, February 24, 2022.
- “Non invasive Vagal Nerve Stimulation for Stress Related Psychiatric Disorders,” presented in panel “Trauma and Stress: The Functional Brain,” (Layla Banihashemi, PhD, Chair), American Psychological Association Annual Meeting, Aug 4-6, Minneapolis, Minnesota.
- “Short and Long Term Effects of COVID-19 on Brain and Mental Health,” presented in symposium “Mental Health Consequences of COVID-19” part of the RECOVER Research Review (R3) Series, August 9, 2022.
- “Short and Long Term Effects of COVID-19 on Brain and Mental Health,” presented for Emory Clinical Cardiovascular Research Institute (ECCRI) Research Conference, March 17, 2023.
- “Effects of Long COVID on Brain and Mental Health,” presented for Atlanta VA Psychiatry Service, April 18, 2023.
-

Other Activities:

“ARPA-H (Advanced Research Projects Agency for Health)”-Participated as Panelist in Panelist Discussion and Q&A, Emory University, Atlanta, Georgia, September 15, 2022

Bibliography:

Published and accepted articles in refereed journals, Current H-Index 88:

1. **Bremner JD**, Southwick SM, Charney DS: Animal models for the neurobiology of trauma. *PTSD Res Q* 1991; 2(4):1-7.

2. **Bremner JD**, Southwick SM, Rosenheck R, Brett E, Fontana A, Charney DS: Dissociation and posttraumatic stress disorder in Vietnam combat veterans. *Am. J. Psychiatry.* 1992;149(3):328-332.
3. Yehuda R, Southwick SM, Krystal JH, **Bremner JD**, Charney DS, Mason J: Enhanced suppression of cortisol with low dose dexamethasone in posttraumatic stress disorder. *Am. J. Psychiatry.* 1993;150:83-86.
4. **Bremner JD**: Dissociazione e La Malattia del Stress Post Traumatico. *Il Piccolo Hans* 1993.
5. **Bremner JD**, Southwick SM, Johnson DR, Yehuda R, Charney DS: Childhood physical abuse and combat-related posttraumatic stress disorder in Vietnam veterans. *Am. J. Psychiatry.* 1993;150:235-239.
6. **Bremner JD**, Steinberg M, Southwick SM, Johnson DR, Charney DS: Use of the Structured Clinical Interview for DSM-IV-Dissociative Disorders for systematic assessment of dissociative symptoms in posttraumatic stress disorder. *Am. J. Psychiatry.* 1993;150:1011-1014.
7. **Bremner JD**, Scott TM, Delaney RC, Southwick SM, Mason JW, Johnson DR, Innis RB, McCarthy G, Charney DS: Deficits in short-term memory in post-traumatic stress disorder. *Am. J. Psychiatry.* 1993;150:1015-1019.
8. Sybirska E, Seibyl JP, **Bremner JD**, Baldwin RM, Al-Tikriti MS, Bradberry C, Malison RT, Zea-Ponce Y, Zoghbi S, Durrant M, Goddard AW, Woods SW, Hoffer PB, Charney DS, Innis RB: [¹²³I]Iomazenil SPECT imaging demonstrates significant benzodiazepine receptor reserve in human and non-human primate brain. *Neuropharmacology.* 1993;32:671-680.
9. Southwick SM, Morgan A, Nagy LM, **Bremner JD**, Nicolaou AL, Johnson DR, Rosenheck R, Charney DS: Trauma related symptomatology in Desert Storm veterans: a preliminary report. *Am. J. Psychiatry.* 1993;150:1524-1528.
10. Krystal JH, Karper LP, Seibyl JP, Delaney R, **Bremner JD**, Bowers MB, Charney DS: Dose-related effects of the NMDA antagonist, ketamine, in healthy humans. *Schizophrenia Res.* 1993;9:240.
11. Krystal JH, Karper LP, Abi-Dargham A, Delaney R, **Bremner JD**, Bowers MB, Charney DS: Ketamine effects reduced by lorazepam in healthy humans. *Schizophrenia Res.* 1993;9:241.
12. Mason J, Southwick S, Yehuda R, Wang S, Riney S, **Bremner D**, Johnson D, Lubin H, Blake D, Zhou G, Guzman F, Charney D: Elevation of serum free triiodothyronine, total triiodothyronine, thyroxine-binding globulin, and total thyroxine levels in combat-related posttraumatic stress disorder. *Arch. Gen. Psychiatry.* 1994;51:629-641.
13. **Bremner JD**, Charney DS: The neurobiology of posttraumatic stress disorder: implications for treatment. *Int. Acad. Biomed. Drug Res.* (Basel, Karger; Darcourt G, Mendlewitz J, Racagni G, Brunello N (eds.)); 1994;8:171-186.
14. Southwick SM, **Bremner JD**, Krystal JH, Charney DS: Psychobiologic research in posttraumatic stress disorder. *Psychiatric Clin. N.A.* 1994;17(2):251-264.

15. Abi-Dargham A, Laruelle M, Seibyl J, Rattner Z, Baldwin RM, Zoghbi SS, Zea-Ponce Y, **Bremner JD**, Hyde TM, Charney DS, Hoffer PB, Innis RB: SPECT measurement of benzodiazepine receptors in human brain with [¹²³I]iomazenil: Kinetic and equilibrium paradigms. *J. Nucl. Med.* 1994;35:228-238.
16. Krystal JH, Karper LP, Seibyl JP, Freeman GK, Delaney R, **Bremner JD**, Heninger GR, Bowers, MB, Charney DS: Subanesthetic effects of the non-competitive NMDA antagonist, ketamine, in humans: Psychotomimetic, perceptual, cognitive, and neuroendocrine responses. *Arch. Gen. Psychiatry.* 1994;51:199-214.
17. Baldwin R, Horti A, **Bremner JD**, Stratton MD, Dannals RF, Ravert HT, Zea-Ponce Y, Ng CK, Dey HM, Soufer R, Charney DS, Mazza SM, Sparks RB, Stubbs JB, Innis RB: Synthesis and PET imaging of the benzodiazepine tracer [*N*-Methyl-¹¹C]iomazenil. *Nucl. Med. Biol.* 1995; 22:659-665.
18. **Bremner JD**, Randall P, Scott TM, Bronen RA, Delaney RC, Seibyl JP, Southwick SM, McCarthy G, Charney DS, Innis, RB: MRI-based measurement of hippocampal volume in patients with combat-related posttraumatic stress disorder. *Am. J. Psychiatry* 1995; 152(7):973-981. PMC3233767.
19. Southwick SM, Morgan CA, Darnell A, **Bremner JD**, Nicolaou AL, Nagy LM, Charney DS: Trauma related symptoms in veterans of Operation Desert Storm: A two-year followup. *Am. J. Psychiatry.* 1995; 152:1150-1155.
20. **Bremner JD**, Randall PR, Capelli S, Scott T, McCarthy G, Charney DS: Deficits in short-term memory in adult survivors of childhood abuse. *Psych. Res.* 1995; 59:97-107.
21. Randall PK, **Bremner JD**, Krystal JH, Nagy LM, Heninger GR, Nicolaou AL, Charney DS: Effects of the benzodiazepine receptor antagonist flumazenil in PTSD. *Biol. Psychiatry.* 1995; 38:319-324.
22. **Bremner JD**, Krystal JH, Southwick SM, Charney DS: Functional neuroanatomical correlates of the effects of stress on memory. *J. Trauma. Stress.* 1995;8:527-554.
23. **Bremner JD**, Krystal JH, Southwick SM, Charney DS: Noradrenergic mechanisms in stress and anxiety: I. Preclinical studies. *Synapse* 1996; 23:28-38.
24. **Bremner JD**, Krystal JH, Southwick SM, Charney DS: Noradrenergic mechanisms in stress and anxiety: II. Clinical studies. *Synapse* 1996; 23:39-51.
25. **Bremner JD**, Krystal JH, Charney DS, Southwick SM: Neural mechanisms in dissociative amnesia for childhood abuse: Relevance to the current controversy surrounding the False Memory Syndrome. *Am. J. Psychiatry.* 1996;153(7):FS71-82.
26. Southwick SM, Morgan CA, **Bremner JD**, Grillon CG, Krystal JH, Nagy LM, Charney DS: Noradrenergic alterations in posttraumatic stress disorder. *Ann. N.Y. Acad. Sci.* 1997; 821:125-141.
27. Bergherr T, **Bremner JD**, Southwick SM, Charney DS, Krystal JH: Neurobiological perspectives on trauma and aging. *J. Geriatric Psychiatry.* 1997; 30 (1):27-59.
28. **Bremner JD**, Southwick SM, Darnell A, Charney DS: Chronic PTSD in Vietnam combat veterans: Course of illness and substance abuse. *Am. J. Psychiatry.* 1996;153:369-375.

29. **Bremner JD**, Brett E: Trauma-related dissociative states and long-term psychopathology in posttraumatic stress disorder. *J. Trauma. Stress.* 1997; 10:37-50.
30. **Bremner JD**, Randall P, Vermetten E, Staib L, Bronen RA, Capelli S, Mazure CM, McCarthy G, Innis RB, Charney DS: Magnetic resonance imaging-based measurement of hippocampal volume in posttraumatic stress disorder related to childhood physical and sexual abuse: A preliminary report. *Biol. Psychiatry* 1997;41:23-32. PMC3229101.
31. **Bremner JD**, Innis RB, Ng CK, Staib L, Duncan J, Bronen R, Zubal G, Rich D, Krystal JH, Dey H, Soufer R, Charney DS: PET measurement of cerebral metabolic correlates of yohimbine administration in posttraumatic stress disorder. *Arch. Gen. Psychiatry.* 1997; 54:246-256.
32. **Bremner JD**, Innis RB, Salomon RM, Staib L, Ng CK, Miller HL, Bronen RA, Duncan J, Krystal JH, Rich D, Malison R, Price LH, Dey H, Soufer R, Charney DS: PET measurement of cerebral metabolic correlates of tryptophan depletion-induced depressive relapse. *Arch. Gen. Psychiatry.* 1997; 54:364-374.
33. **Bremner JD**, Licinio J, Darnell A, Krystal JH, Owens M, Southwick SM, Nemeroff CB, Charney DS: Elevated CSF corticotropin-releasing factor concentrations in posttraumatic stress disorder. *Am. J. Psychiatry.* 1997; 154:624-629. PMC3233756.
34. Southwick SM, Krystal JH, **Bremner JD**, Morgan CA, Nicolaou A, Nagy LM, Johnson DR, Heninger GR, Charney DS: Noradrenergic and serotonergic function in posttraumatic stress disorder. *Arch. Gen. Psychiatry.* 1997; 54:749-758.
35. Saigh PA, Mroweh M, **Bremner JD**: Scholastic impairments among traumatized adolescents. *Beh. Res. Ther.* 1997; 35:429-436.
36. **Bremner JD**: Neuroimaging studies in PTSD. *NCP Clinical Quarterly* 1997; 7 (4):70-73.
37. **Bremner JD**: Neuroimaging in posttraumatic stress disorder. *Psych. Annals.* 1998;28:445-450.
38. **Bremner JD**: Neuroimaging studies in PTSD. *PTSD Research Quarterly.* 1998.
39. Charney DS, Grillon CC, **Bremner JD** The neurobiological basis of anxiety and fear: Circuits, mechanisms, and neurochemical interactions (Part I). *Neuroscientist* 1998; 4(1):35-44. Jan 1, 1998.
40. Charney DS, Grillon CC, **Bremner JD** The neurobiological basis of anxiety and fear: Circuits, mechanisms, and neurochemical interactions (Part II). *Neuroscientist* 1998; 4(2):122-132. March 1, 1998.
41. **Bremner JD**, Krystal JH, Putnam F, Marmar C, Southwick SM, Lubin H, Charney DS, Mazure CM: Measurement of dissociative states with the Clinician Administered Dissociative States Scale (CADSS). *J. Trauma. Stress* 1998; 11:125-136.
42. Krystal JH, Karper LP, Bennett A, D'Souza DC, Abi-Dargham A, Morissey K, Abi-Saab D, **Bremner JD**, Bowers MB Jr, Suckow RF, Stetson P, Heninger GR, Charney DS: Interactive effects of subanesthetic ketamine and subhypnotic lorazepam in humans. *Psychopharmacology* 1998; 135:213-229.

43. Soufer R, **Bremner JD**, Arrighi JA, Cohen I, Zaret BL, Burg MM, Goldman-Rakic P: Cerebral cortical hyperactivation in response to mental stress in patients with coronary artery disease. *P.N.A.S.* 1998; 95:6454-6459. PMC27794.
44. **Bremner JD**, Bronen RA, de Erasquin G, Vermetten E, Staib L, Ng CK, Soufer R, Charney DS, Innis RB: Development and reliability of a method for using magnetic resonance imaging for the definition of regions of interest for positron emission tomography. *Clin. Positron Imaging* 1998; 1:145-159.
45. **Bremner JD**, Narayan M: The effects of stress on memory and the hippocampus throughout the life cycle: Implications for childhood development and aging. *Dev Psychopathol* 1998; 10:871-886.
46. Narayan M, **Bremner JD**, Kumar A: Neuroanatomical substrates of late-life mental disorders. *J Geriatr Psych Neur* 1999; 12:95-106.
47. Southwick SM, **Bremner JD**, Rasmusson A, Morgan CA, Arnsten A, Charney DS: Role of norepinephrine in the pathophysiology and treatment of posttraumatic stress disorder. *Biol. Psychiatry* 1999; 46:1192-1204
48. **Bremner JD**: The lasting effects of psychological trauma on memory and the hippocampus. *Cyberounds* 1999 cyberounds.com. <http://www.cyberounds.com/cmecontent/art10.html> Accessed May 10, 2015.
49. **Bremner JD**: Alterations in brain structure and function associated with posttraumatic stress disorder. *Sem Clin Neuropsychiatry* 1999; 4:249-255.
50. **Bremner JD**: Acute and chronic responses to stress: Where do we go from here? (Editorial) *Am J Psychiatry* 1999; 156:349-351.
51. **Bremner JD**: The invisible epidemic: Posttraumatic stress disorder, memory, and the brain. *The Doctor Will See You Now* 1999; http://www.thedoctorwillseeyounow.com/articles/behavior/ptsd_4/ Accessed May 10, 2015.
52. Southwick SM, Paige S, Morgan CA, **Bremner JD**, Krystal JH, Charney DS: Neurotransmitter alterations in PTSD: Catecholamines and serotonin. *Sem Clin Neuropsychiatry* 1999; 4:242-248.
53. Chambers RA, **Bremner JD**, Moghaddam B, Krystal JH: Glutamate and posttraumatic stress disorder: Toward a psychobiology of dissociation. *Sem Clin Neuropsychiatry* 1999; 4:274-281.
54. **Bremner JD**: Devastating effects and clinical implications of childhood abuse. *Directions in Psychiatry* 1999;19:147-162.
55. **Bremner JD**: Does stress damage the brain? *Biol Psychiatry* 1999; 45:797-805.
56. **Bremner JD**, Staib L, Kaloupek D, Southwick SM, Soufer R, Charney DS: Neural correlates of exposure to traumatic pictures and sound in Vietnam combat veterans with and without posttraumatic stress disorder (PTSD): A positron emission tomography study. *Biol. Psychiatry.* 1999; 45:806-816. PMC3233761.

57. **Bremner JD**, Narayan M, Staib LH, Southwick SM, McGlashan T, Charney DS: Neural correlates of memories of childhood sexual abuse in women with and without posttraumatic stress disorder. *Am J Psychiatry* 1999; 156:1787-1795. PMC3233772.
58. **Bremner JD**, Baldwin R, Horti A, Staib LH, Ng CK, Tan P-Z, Zea-Ponce Y, Zoghbi S, Seibyl JP, Soufer R, Charney DS, Innis RB: Quantitation of benzodiazepine receptor binding with PET [¹¹C]iomazenil and SPECT [¹²³I]iomazenil: Preliminary results of a direct comparison in healthy human subjects. *Psych Res: Neuroimaging* 1999; 91:79-91.
59. **Bremner JD**: A biological model for delayed recall of childhood abuse. *J Aggr Maltreatment Trauma*. 2000; 4(2):165-183.
60. **Bremner JD**, Horti A, Staib LH, Zea-Ponce Y, Soufer R, Charney DS, Baldwin R: Kinetic modeling of benzodiazepine receptor binding with PET and high specific activity [¹¹C]iomazenil in healthy human subjects. *Synapse* 2000; 35:68-77.
61. **Bremner JD**, Narayan M, Anderson ER, Staib LH, Miller H, Charney DS: Hippocampal volume reduction in major depression. *Am J Psychiatry* 2000; 157:115-117. Doi: 10.1176/ajp.157.1.115.
62. **Bremner JD**, Innis RB, White T, Fujita M, Silbersweig D, Goddard AW, Staib L, Stern E, Cappiello A, Woods S, Baldwin R, Charney DS: SPECT [I-123]iomazenil measurement of the benzodiazepine receptor in panic disorder. *Biol. Psychiatry*. 2000; 47:96-106.
63. Vythilingam M, Anderson GM, Owens MJ, Halaszynski T, **Bremner JD**, Carpenter L, Heninger GR, Nemeroff CB, Charney DS: Cerebrospinal fluid corticotropin-releasing hormone in healthy humans—Effects of yohimbine and naloxone. *J Clin Endocrinol Metab* 2000; 85(11):4138-4145. Doi:10.1210/jcem.85.11.6968
64. **Bremner JD**, Vermetten E, Mazure CM: Development and preliminary psychometric properties of an instrument for the measurement of childhood trauma: The Early Trauma Inventory. *Depress Anxiety* 2000;12:1-12.
65. **Bremner JD**, Innis RB, Southwick SM, Staib LH, Zoghbi S, Charney DS: Decreased benzodiazepine receptor binding in frontal cortex in combat-related posttraumatic stress disorder. *Am J Psychiatry*. 2000;157:1120-1126.
66. **Bremner JD**, Shobe KK, Kihlstrom JF: False memories in women with self-reported childhood sexual abuse: An empirical study. *Psychol Sci* 2000; 11:333-337.
67. Vythilingam M, Anderson E, Goddard A, Woods SW, Staib LH, Charney DS, **Bremner JD**: Temporal lobe volumes in panic disorder—a quantitative magnetic resonance imaging study. *Psychiatry Research: Neuroimaging* 2000; 99:75-82.
68. Rasmusson AM, Hauger RL, Morgan CA, **Bremner JD**, Charney DS, Southwick SM: Low baseline and yohimbine-stimulated plasma neuropeptide Y (NPY) response in combat-related posttraumatic stress disorder. *Biol Psychiatry* 2000; 47:526-539.
69. **Bremner JD**, Soufer R, McCarthy G, Delaney R, Staib LH, Duncan JS, Charney DS: Gender differences in cognitive and neural correlates of remembrance of emotional words. *Psychopharmacol Bull*. 2001; 35(3):55-78.

70. Rasmusson AM, Lipschitz DS, **Bremner JD**, Southwick SM, Charney DS: Increased pituitary and adrenal reactivity in premenopausal women with posttraumatic stress disorder. *Biol Psychiatry* 2001; 50:965-977.
71. **Bremner JD**: Hypotheses and controversies related to the effects of stress on the hippocampus: An argument for stress-induced damage to the hippocampus in patients with posttraumatic stress disorder (PTSD). *Hippocampus* 2001;11:75-81.
72. **Bremner JD**, Vermetten E: Stress and development: Behavioral and biological consequences. *Dev Psychopathol* 2001; 13:473-489.
73. **Bremner JD**: Pharmacotherapy of Acute Trauma. *Emergency Psych* 2001; 7:68-75.
74. **Bremner JD**: A biological model for delayed recall of childhood abuse. *J Aggr Maltreatment Trauma*. 2001; 4(2):165-183. DOI: 10.1300/J146v04n02_08.
75. **Bremner JD**: Structural changes in the brain in depression and relationship to symptom recurrence. *CNS Spectrums*. 2002; 7(2):129-139.
76. Vermetten E, **Bremner JD**: Circuits and systems in stress. I. Preclinical studies *Depress Anxiety* 2002; 15:126-147.
77. Vermetten E, **Bremner JD**: Circuits and systems in stress. II. Applications to neurobiology and treatment in PTSD *Depress Anxiety* 2002; 16:14-38.
78. Schmahl CG, McGlashan T, **Bremner JD**: Neurobiological correlates of borderline personality disorder. *Psychopharm Bull* 2002; 36:69-87
79. Elzinga BM, **Bremner JD**: Are the neural substrates of memory the final common pathway in posttraumatic stress disorder (PTSD)? *J Affect Disord* 2002; 70:1-17.
80. **Bremner JD**, Vythilingam M, Vermetten E, Nazeer A, Adil J, Khan S, Staib LH, Charney DS: Reduced volume of orbitofrontal cortex in major depression. *Biol Psychiatry* 2002; 51:273-279.
81. Mason J, Wang S, Yehuda R, Lubin H, Johnson D, **Bremner JD**, Riney S, Charney DS, Southwick SM: Marked lability of urinary free cortisol levels in sub-groups of combat veterans with posttraumatic stress disorder. *Psychosomatic Med* 2002; 64:238-246.
82. Schmahl CG, Elzinga B, **Bremner JD**: Individual differences in psychophysiological reactivity in adults with childhood abuse. *Clin Psychol Psychot* 2002; 9:271-276.
83. Southwick SM, Horner B, Morgan CA, **Bremner JD**, Davis M, Cahill L, Gold PB, Charney DS: Relationship of enhanced norepinephrine activity during memory consolidation to enhanced long-term memory in humans. *Am J Psychiatry* 2002; 159:1420-1422.
84. Booij L, Van der Does W, Benkelfat C, **Bremner JD**, Cowen PJ, Fava M, Gillin C, Leyton M, Moore P, Smith KA, Van der Kloot WA: Predictors of mood response to acute tryptophan depletion: A reanalysis. *Neuropsychopharmacology* 2002; 27:852-861.
85. Vythilingam M, Heim C, Newport CD, Miller AH, Vermetten E, Anderson E, Bronen R, Brummer M, Staib L, Charney DS, Nemeroff CB, **Bremner JD**: Childhood trauma associated with smaller hippocampal volume in women with major depression. *Am J Psychiatry* 2002; 159:2072-2080. PMC3230324.

86. **Bremner JD:** Neuroimaging studies in posttraumatic stress disorder. *Current Psych Reports* 2002; 4:254-263.
87. **Bremner JD:** Neuroimaging of childhood trauma. *Sem Clin Neuropsychiatry* 2002; 7:104-112.
88. **Bremner JD:** The lasting effect of psychological trauma on memory and the hippocampus. *Cyberounds*. 2002 <http://www.cyberounds.com/cmecontent/art10.html> (retrieved March 12, 2015).
89. **Bremner JD:** Effects of stress on brain function. *Psych Times* 2003; 20:18-22.
90. Vermetten E, Vythilingam M, Southwick SM, Charney DS, **Bremner JD:** Long-term treatment with paroxetine increases verbal declarative memory and hippocampal volume in posttraumatic stress disorder. *Biol Psychiatry* 2003; 54 (7):693-702. PMC3233762.
91. **Bremner JD,** Vythilingam M, Vermetten E, Southwick SM, McGlashan T, Nazeer A, Khan S, Vaccarino LV, Soufer R, Garg P, Ng CK, Staib LH, Duncan JS, Charney DS: MRI and PET study of deficits in hippocampal structure and function in women with childhood sexual abuse and posttraumatic stress disorder (PTSD). *Am J Psychiatry* 2003; 160:924-932, 2003.
92. Vythilingam M, Chen J, **Bremner JD,** Mazure CM, Maciejewski PK, Nelson JC: Psychotic depression and mortality. *Am J Psychiatry* 2003; 160:574-576.
93. **Bremner JD,** Vythilingam M, Vermetten E, Adil J, Khan S, Nazeer A, Afzal N, McGlashan T, Anderson G, Heninger G, Southwick SM, Charney DS: Cortisol response to a cognitive stress challenge in posttraumatic stress disorder (PTSD) related to childhood abuse. *Psychoneuroendocrinology* 2003; 28:733-750.
94. **Bremner JD,** Vythilingam M, Vermetten E, Southwick SM, McGlashan T, Staib L, Soufer R, Charney DS: Neural correlates of declarative memory for emotionally valenced words in women with posttraumatic stress disorder (PTSD) related to early childhood sexual abuse. *Biol Psychiatry* 2003; 53:289-299.
95. Juengling FC, Schmahl C, Hesslinger B, Ebert D, **Bremner JD,** Gostomzyk J, Bohus M, Lieb K: Positron emission tomography in female patients with borderline personality disorder. *J Psychiatr Res* 2003; 37(2):109-115.
96. Elzinga BM, Schmahl CS, Vermetten E, van Dyck R, **Bremner JD:** Higher cortisol levels following exposure to traumatic reminders in abuse-related PTSD. *Neuropsychopharmacology* 2003; 28 (9):1656-1665.
97. Schmahl CG, Vermetten E, Elzinga BM, **Bremner JD:** Magnetic resonance imaging of hippocampal and amygdala volume in women with childhood abuse and borderline personality disorder. *Psych Research: Neuroimaging* 2003; 122: 193-198.
98. Davis MR, Votaw JR, **Bremner JD,** Byas-Smith MG, Faber TL, Voll RJ, Watts RL, Hoffman JM, Grafton, ST, Kilts CD, Goodman MM: Initial PET imaging studies with the dopamine transporter ligand [¹⁸F]FECNT. *J Nucl Med* 2003; 44:855-861.
99. Schmahl CG, Elzinga BM, Vermetten E, Sanislow C, McGlashan TH, **Bremner JD:** Neural correlates of memories of abandonment in women with and without borderline personality disorder. *Biol Psychiatry* 2003; 54:142-151.

100. **Bremner JD**, Vythilingam M, Ng CK, Vermetten E, Nazeer A, Oren D, Berman RM, Charney DS: Regional brain metabolic correlates of α -methylparatyrosine-induced depressive symptoms: Implications for the neural circuitry of depression. *JAMA* 2003; 289:3125-3134. PMC3233764.
101. **Bremner JD**: Long-term effects of childhood abuse on brain and neurobiology. *Child and Adolescent Psych Clin N America* 2003; 12(2):271-292
102. **Bremner JD**: Functional neuroanatomical correlates of traumatic stress revisited 7 years later, this time with data. *Psychopharmacol Bull* 2003; 37 (2):6-25.
103. Vermetten E, **Bremner JD**: Olfaction as a traumatic reminder in posttraumatic stress disorder: Case reports and review. *J Clin Psychiatry* 2003; 64 (2):202-207.
104. **Bremner JD**: Does isotretinoin cause depression and suicide? *Psychopharmacol Bull* 2003; 37:5:9.
105. **Bremner JD**: Clinical, legal, and scientific issues related to delayed recall of childhood abuse. *Bridging Eastern and Western Psychiatry*. DiFiorino M (Ed). 2003; 1:1; 39-46.
106. **Bremner JD**, Vermetten E, Vythilingam M, Afzal N, Schmahl C, Elzinga B, Charney CS: Neural correlates of the classic color and emotional Stroop in women with abuse-related posttraumatic stress disorder. *Biol Psychiatry* 2004; 55 (6):612-620.
107. **Bremner JD**, Vythilingam M, Vermetten E, Charney DS: Deficits in hippocampal and anterior cingulate function during verbal declarative memory encoding in mid-life major depression. *Am J Psychiatry* 2004; 161 (4): 637-645. PMID: 15056509.
108. **Bremner JD**, Vythilingam M, Vermetten E, Newcomer JW, Charney DS: Effects of glucocorticoids on declarative memory function in major depression. *Biol Psychiatry* 2004; 55 (8):811-815.
109. Schmahl CG, Vermetten E, Elzinga BE, **Bremner JD**: A positron emission tomography study of memories of childhood abuse in borderline personality disorder. *Biol Psychiatry* 2004; 55(7):759-765.
110. Schmahl CG, Elzinga BM, Ebner UW, Simms T, Sanislow C, Vermetten E, McGlashan TH, **Bremner JD**: Psychophysiological reactivity to traumatic and abandonment scripts in borderline personality disorder and posttraumatic stress disorder: A preliminary report. *Psych Res* 2004; 126 (1):33-42.
111. **Bremner JD**, Mletzko T, Welter S, Siddiq S, Reed L, Williams, C, Heim CM, Nemeroff CB: Treatment of posttraumatic stress disorder with phenytoin: An open label pilot study. *J Clin Psychiatry* 2004; 65 (11):1559-1564.
112. **Bremner JD**, Vermetten E, Afzal N, Vythilingam M: Deficits in verbal declarative memory function in women with childhood sexual abuse-related posttraumatic stress disorder. *J Nerv Ment Dis* 2004; 192(10):643-649.
113. Vythilingam M, Vermetten E, Anderson GM, Luckenbaugh D, Anderson ER, Snow J, Staib LH, Charney DS, **Bremner JD**: Hippocampal volume, memory and cortisol status in major depressive disorder: Effects of treatment. *Biol Psychiatry* 2004; 56:101-112.

114. Vermetten E, **Bremner JD**: Functional brain imaging and the induction of traumatic recall: A cross-correlational review between neuroimaging and hypnosis. *Int J Clin Exp Hypnosis* 2004; 52(3):280-312.
115. **Bremner JD**: Does stress damage the brain: Understanding trauma related disorders from a mind body perspective. *Directions in Psychiatry* 2004; 24(3):167-176
116. **Bremner JD**, Vermetten E: Neuroanatomical changes associated with pharmacotherapy in posttraumatic stress disorder (PTSD). *Ann NY Acad Sci* 2004; 1032:154-157.
117. **Bremner JD**: Brain imaging in anxiety disorders. *Expert Rev Neurotherapeutics* 2004; 4 (2): 275-284.
118. **Bremner JD**: Memory and brain structure in PTSD. 13th Hakone Psychopharmacological Symposium. 2004; 93(4): 7-18.
119. **Bremner JD**: Does stress damage the brain? *Phi Kappa Phi Forum*. 2005; 85(1):1-7.
120. **Bremner JD**: Isotretinoin and depression: Is there a causal link? *Practical Dermatology*. 2005; 2:30-33.
121. **Bremner JD**, Vythilingam M, Vermetten E, Newcomer JW, Charney DS: Effects of dexamethasone on declarative memory function in posttraumatic stress disorder (PTSD). *Psychiatry Res* 2004; 129(1):1-10.
122. **Bremner JD**, Vermetten E, Schmahl C, Vaccarino V, Vythilingam M, Afzal N, Grillon C, Charney DS: Positron emission tomographic imaging of neural correlates of a fear acquisition and extinction paradigm in women with childhood sexual-abuse-related post-traumatic stress disorder. *Psychol Med* 2005; 35(6):791-806. PMC3233760.
123. Elzinga BM, Bakker A, **Bremner JD**: Stress-induced cortisol elevations are associated with impaired delayed, but not immediate recall. *Psychiatry Res* 2005; 134(3):211-223.
124. **Bremner JD**, Mletzko T, Welter S, Quinn S, Williams C, Brummer M, Siddiq S, Reed L, Heim CM, Nemeroff CB: Effects of phenytoin on memory, cognition and brain structure in posttraumatic stress disorder: A pilot study. *J Psychopharmacol* 2005; 19(2):159-165.
125. Jarkas N, Votaw JR, Voll RJ, Williams L, Camp VM, Owens MJ, Purselle DC, **Bremner JD**, Kilts CD, Nemeroff CB, Goodman MM: Carbon-11 HOMADAM: A novel PET radiotracer for imaging serotonin transporters. *Nuc Med Biol* 2005; 32:211-224.
126. **Bremner JD**, Fani N, Ashraf A, Votaw JR, Brummer ME, Cummins T, Vaccarino V, Goodman MM, Reed R, Siddiq S, Nemeroff CB. Functional brain imaging alterations in acne patients treated with isotretinoin. *Am J Psychiatry* 2005; 162:983-991.
127. Vythilingam M, Luckenbaugh D, Lam T, Morgan CA, Lipschitz D, Charney DS, **Bremner JD**, Southwick SM: Smaller head of the hippocampus in Gulf War-related posttraumatic stress disorder. *Psychiatry Res* 2005; 139(2):89-99.
128. **Bremner JD**: Effects of traumatic stress on brain structure and function: Relevance to early responses to trauma. *J Trauma Dissociation* 2005; 6(2):51-68.
129. Sparr L, **Bremner JD**: Posttraumatic stress disorder and memory: prescient medicolegal testimony at the International War Crimes Tribunal? *J Am Acad Psychiatry Law* 2005; 33(1):71-78.

130. Geuze E, Vermetten E, **Bremner JD**: MR based in vivo hippocampal volumetrics: I. Review of methodologies currently employed. *Mol Psychiatry* 2005; 10:147-159.
131. Geuze E, Vermetten E, **Bremner JD**: MR based in vivo hippocampal volumetrics: II. Findings in neuropsychiatric disorders. *Mol Psychiatry* 2005; 10:160-184.
132. Hogue CJ, **Bremner JD**: Stress model for research into preterm delivery among black women. *Am J Obstet Gynecol* 2005; 192(5 Suppl):S47-55.
133. Evans DL, Charney DS, Lewis L, Golden RN, Gorman JM, Krishnan KRR, Nemeroff CB, **Bremner JD**, Carney RM, Coyne JC, DeLong MR, Frasurre-Smith N, Glassman AH, Gold PW, Grant I, Gwyther L, Ironson G, Johnson RL, Kanner AM, Katon WJ, Kaufmann PG, Keefe FJ, Ketter T, Laughren TP, Leserman J, Lyketsos CG, McDonald WM, McEwen BS, Miller AH, Musselman D, O'Connor C, Petitto JM, Pollock BG, Robinson RG, Roose SP, Rowland J, Sheline Y, Sheps DS, Simon G, Spiegel D, Stunkard A, Sunderland T, Tibbits P, Valvo WJ: Mood disorders in the medically ill: Scientific review and recommendations. *Biol Psychiatry* 2005; 58 (3):175-189.
134. **Bremner JD**: Changes in brain volume in major depression. *Depression: Mind and Brain*. 2005; 2 (2): 38-46.
135. Vaccarino V, **Bremner JD**: Stress response and the metabolic syndrome. Hospital Physician Board Review Manual: Cardiology 2005; 11:1-12.
136. Kitayama N, Vaccarino V, Kutner M, Weiss P, **Bremner JD**: Magnetic resonance imaging (MRI) measurement of hippocampal volume in posttraumatic stress disorder: A meta-analysis. *J Affect Disord* 2005; 88(1):79-86.
137. Nemeroff CB, Bremner JD, Foa EB, Mayberg HS, North CS, Stein MB: Posttraumatic stress disorder: A state-of-the-science review. *J Psychiatr Res* 2006; 40(1):1-21.
138. **Bremner JD**: Stress and brain atrophy. *Central Nervous System & Neurological Disorders - Drug Targets*. 2006; 5(5):503-512. PMC3269810.
139. Anda RF, Felitti VJ, Walker J, Whitfield C, **Bremner JD**, Perry BD, Dube SR, Giles WH: The enduring effects of childhood abuse and related experiences in childhood: A convergence of evidence from neurobiology and epidemiology. *Eur Arch of Psychiatr Clin Neurosci* 2006; 256(3):174-186. PMC3232061.
140. Schmahl CG, **Bremner JD**: Neuroimaging in borderline personality disorder. *J Psychiatr Res* 2006; 40(5):419-427. PMC3233768.
141. Vermetten E, Schmahl C, Lindner S, Loewenstein L, **Bremner JD**: Hippocampal and amygdalar volumes in dissociative identity disorder. *Am J Psychiatry* 2006; 163(4): 630-636. PMC3233754.
142. Kitayama N, Quinn S, **Bremner JD**: Smaller volume of anterior cingulate cortex in abuse-related posttraumatic stress disorder. *J Affect Disord* 2006; 90(2-3):171-174. PMC3226710.
143. Saigh PA., Yasik AE, Oberfield RA Halamandaris PV, **Bremner JD**: The intellectual performance of traumatized children and adolescents with or without posttraumatic stress disorder. *J Abnormal Psychology* 2006; 115(2):332-340. PMC3232057.

144. **Bremner JD**, Quinn J, Quinn W, Veledar E: Surfing the net for medical information about psychological trauma: An empirical study of the quality and accuracy of trauma-related web sites. *Med Inform Internet Med* 2006; 31(3):227-236. PMC3226702.
145. Vasterling JJ, **Bremner JD**: The impact of the 1991 Gulf War on the mind and brain: findings from neuropsychological and neuroimaging research. *Phil Trans Roy Soc Lond B Biol Sci* 2006; 361 (1468):593-604. PMC1569623.
146. Vermetten E, Vythilingam M, Schmahl C, De Kloet C, Southwick WM, Charney DS, **Bremner JD**: Alterations in stress reactivity after long-term treatment with paroxetine in women with posttraumatic stress disorder. *Ann NY Acad Sci.* 2006; 1071:184-202. PMC3230329.
147. **Bremner JD**: The relationship between cognitive and brain changes in posttraumatic stress disorder (PTSD). *Annal NY Acad Sci* 2006; 1071:80-86. PMC3233753.
148. Fani N, Hampstead BM, **Bremner JD**: Pharmacotherapies for acute and chronic responses to trauma. *Psychiatric Issues in Emergency Care Settings.* 2006; 5(3):10-16.
149. Fani N, Hampstead BM, **Bremner JD**: PTSD in the emergency setting. *Psychiatric Issues in Emergency Care Settings.* 2006; 5(3):17-22.
150. **Bremner JD**: Traumatic stress: Effects on the brain. *Dialogues in Clinical Neuroscience* 2006; 8(4):445-461. PMC3181836.
151. **Bremner D**, Vermetten E, Kelley ME: Cortisol, dehydroepiandrosterone, and estradiol measured over 24 hours in women with childhood sexual abuse-related posttraumatic stress disorder. *J Nerv Ment Dis* 2007; 195(11):919-927.
152. **Bremner JD**, Vythilingam M, Vermetten E, Charney DS: Effects of antidepressant treatment on neural correlates of emotional and neutral declarative verbal memory in depression. *J Affect Disord* 2007; 101(1-3):99-111. PMC3233752.
153. **Bremner JD**, Bolus R, Mayer, E: Psychometric properties of the Early Trauma Inventory-Self Report (ETI-SR). *J Nerv Ment. Dis* 2007; 195(3):211-218. PMC3229091.
154. Francati V, Vermetten E, **Bremner JD**: Functional neuroimaging studies in posttraumatic stress disorder: Review of current methods and findings. *Dep Anxiety* 2007; 24(3):202-218. PMC3233765.
155. Perry EB, Cramer JA, Cho HS, Petrakis IL, Karper LP, Genovese A, O'Donnell E, Krystal JH, D'Souza CD, Yale Ketamine Study Group. Psychiatric safety of ketamine in psychopharmacology research. *Psychopharmacology.* 2007; 192(2):253-60. doi: 10.1007/s00213-007-0706-2. Epub 2007 Feb 16.
156. **Bremner JD**: Functional neuroimaging in posttraumatic stress disorder. *Exp Rev Neurotherapeutics* 2007; 7(4): 393-405.
157. Vermetten E, Schmahl C, Southwick SM, **Bremner JD**: Positron tomographic emission study of olfactory induced emotional recall in veterans with and without combat related posttraumatic stress disorder. *Psychopharm Bull* 2007; 40(1): 8-30. PMC3236699.

158. Anda RF, Brown DW, Felitti VJ, **Bremner JD**, Dube SR, Giles WH: Adverse childhood experiences and prescribed psychotropic medications in adults. *Am J Prev Med* 2007; 32(5):389-394. PMC3233770.
159. Kitayama N, Brummer M, Hertz L, Quinn S, Kim Y, **Bremner JD**: Morphologic alterations in corpus callosum in abuse-related posttraumatic stress disorder: A preliminary study. *J Nerv Ment Dis* 2007; 195(12):1027-1029. PMC3229094.
160. **Bremner JD**: Neuroimaging in posttraumatic stress disorder and other stress-related disorders. *Neuroimaging Clin N Am* 2007; 17(4):523-538. PMC2729089.
161. Rilling JK, Barks SK, Parr LA, Preuss TM, Faber TL, Pagnoni G, **Bremner JD**, Votaw JR: A comparison of resting-state brain activity in humans and chimpanzees. *Proc Natl Acad Sci U S A*. 2007 Oct 23;104(43):17146-1751. PMC2040430.
162. Zhao J, Cheema FA, Reddy U, **Bremner JD**, Su S, Goldberg J, Snieder H, Vaccarino V: Heritability of flow-mediated dilation: a twin study. *J Thromb Haemost*. 2007; 5 (12):2386-2392. PMC3113515.
163. **Bremner JD**, Elzinga B, Schmahl C, Vermetten E: Structural and functional plasticity of the human brain in posttraumatic stress disorder. *Prog Brain Res* 2008; 167:171-183. PMC3226705.
164. Dai J, Miller AH, **Bremner JD**, Goldberg J, Jones L, Shallenberger L, Buckham R, Murrah NV, Veledar E, Wilson PW, Vaccarino V: Adherence to the Mediterranean diet is inversely associated with circulating interleukin-6 among middle-aged men: a twin study. *Circulation*. 2008 117(2):169-175. PMC3232063.
165. **Bremner JD**, McCaffery P: The neurobiology of retinoic acid in affective disorders. *Prog Neuro-Psychopharm Biol Psychiatry* 2008; 32(2): 315-331. PMC2704911.
166. **Bremner JD**: Stressing over the hippocampus: Why it matters. Mind Matters, the Scientific American Blog on Mind and Brain. Jan 8, 2008. <http://science-community.sciam.com/thread.jspa?threadID=300005971> . Last accessed at 1/8/08.
167. Capuron L, Su S, Miller, AH, **Bremner JD**, Goldberg J, Vogt GJ, Maisano C, Jones L, Murrah NV, Vaccarino V: Depressive symptoms and metabolic syndrome: Is inflammation the underlying link? *Biol Psychiatry* 2008; 64(10): 896-900. PMC2621309.
168. Vaccarino V, Lampert R, **Bremner JD**, Lee F, Su S, Maisano C, Murrah NV, Jones L, Jawed F, Afzal N, Ashraf A, Goldberg J: Depressive symptoms and heart rate variability: Evidence for a shared genetic substrate in a study of twins. *Psychosomatic Medicine* 2008; 70(6): 628-636. PMID: 18606724.
169. Vaccarino V, Brennan M-L, Miller AH, **Bremner JD**, Ritchie JC, Lindau F, Veledar E, Su S, Murrah NV, Jones L, Jawed F, Dai J, Goldberg J, Hazen SL: Association of major depressive disorder with serum myeloperoxidase and other markers of inflammation: A twin study. *Biological Psychiatry* 2008; 64(6): 476-483. PMC2597204.
170. Lampert R, **Bremner JD**, Su S, Miller A, Lee F, Cheema F, Goldberg J, Vaccarino V. Decreased heart rate variability is associated with higher levels of inflammation in middle-aged men. *Am Heart J*. 2008 Oct; 156(4):759.e1-7. PMC2587932.

171. Nye JA, Votaw JR, Jarkas N, Purselle D, Camp V, **Bremner JD**, Kilts CD, Nemeroff CB, Goodman MM. Compartmental modeling of ¹¹C-HOMADAM binding to the serotonin transporter in the healthy human brain. *J Nucl Med*. 2008 Dec;49(12):2018-2025. PMC3226704.
172. Anda RF, Brown DW, Dube SR, **Bremner JD**, Felitti VJ, Giles WH. Adverse childhood experiences and chronic obstructive pulmonary disease in adults. *Am J Prev Med*. 2008; 34(5):396-403. PMC3226705.
173. Zhao J, Cheema FA, **Bremner JD**, Goldberg J, Su S, Snieder H, Maisano C, Jones L, Javed F, Murrah N, Le NA, Vaccarino V: Heritability of carotid intima-media thickness: a twin study. *Atherosclerosis* 2008; 197(2):814-20. PMC2387097.
174. Su S, Snieder H, Miller AH, Ritchie J, **Bremner JD**, Goldberg J, Dai J, Jones L, Murrah NV, Zhao J, Vaccarino V. Genetic and environmental influences on systemic markers of inflammation in middle-aged male twins. *Atherosclerosis*. 2008; 200(1):213-20. PMC2599923.
175. **Bremner JD**: Obesity linked to smaller cerebral volume: what should we make of this? (Editorial) *Psychosom Med* 2009; 71(5):483-4. PMID: 19483117.
176. Vaccarino V, **Bremner JD**, Kelley ME: JUPITER: a few words of caution (Editorial). *Circ Cardiovasc Qual Outcomes* 2009 May; 2(3):286-8. PMID: 20031850; PMC2798141.
177. Laudenslager ML, Noonan C, Jacobsen C, Goldberg J, Buchwald D, **Bremner JD**, Vaccarino V, Manson SM: Salivary cortisol among American Indians with and without posttraumatic stress disorder (PTSD): Gender and alcohol influences. *Brain Behav Immun*. 2009; 23(5):658-662. PMC2711684.
178. Su S, Miller AH, Snieder H, **Bremner JD**, Ritchie J, Maisano C, Jones L, Murrah NV, Goldberg J, Vaccarino V: Common genetic contributions to depressive symptoms and inflammatory markers in middle-aged men: the twins heart study. *Psychosom Med*. 2009; 71(2):152-8. PMC2904952.
179. Fani N, Kitayama N, Ashraf A, Reed L, Afzal N, Jawed F, **Bremner JD**. Neuropsychological functioning in patients with posttraumatic stress disorder following short-term paroxetine treatment. *Psychopharmacol Bull* 2009; 42(1):53-68. PMID: 19204651. PMC3233771.
180. **Bremner JD**, Cheema FA, Ashraf A, Afzal N, Fani N, Reed J, Musselman DL, Ritchie JC, Faber T, Votaw JR, Nemeroff CB, Vaccarino V: Effects of a cognitive stress challenge on myocardial perfusion and plasma cortisol in coronary heart disease patients with depression. *Stress and Health*. 2009; 25:267-278. 2009 Aug. Epub 2009 Jan 8. doi: 10.1002/smi.1246 PMC8189292.
181. Su S, Lampert R, Zhao J, **Bremner JD**, Miller A, Snieder H, Lee F, Khan D, Goldberg J, Vaccarino V: Pleiotropy of C-reactive protein gene polymorphisms with C-reactive protein levels and heart rate variability in healthy male twins. *Am J Cardiol* 2009 Dec; 104(12):1748-54. PMID: 19962488; PMC2818743.
182. Su S, Zhao J, **Bremner JD**, Miller AH, Tang W, Bouzyk M, Snieder H, Novik O, Afzal N, Goldberg J, Vaccarino V: Serotonin transporter gene, depressive symptoms, and interleukin-6. *Circ Cardiovasc Gen* 2009; 2(6):614-20. PMID: 20031642; PMC2802220.

183. Van Boven RW, Harrington GS, Hackney DB, Ebel A, Gauger G, **Bremner JD**, D'Esposito M, Detre JA, Haacke EM, Jack CR Jr, Jagust WJ, Le Bihan D, Mathis CA, Mueller S, Mukherjee P, Schuff N, Chen A, Weiner M: Advances in neuroimaging of traumatic brain injury and posttraumatic stress disorder. *J Rehabil Res Dev* 2009; 46(6):717-57. PMID: 20104401. PMC3233771.
184. Stiglmayr C, Schmahl C, **Bremner JD**, Bohus M, Ebner-Priemer U: Development and psychometric characteristics of the DSS-4 as a short instrument to assess dissociative experience during neuropsychological experiments. *Psychopathology* 2009; 42(6):370-4. PMID: 19752590.
185. Vaccarino V, Votaw J, Faber T, Veledar E, Murrah NV, Jones LR, Zhao J, Su S, Goldberg J, Raggi JP, Quyyumi AA, Sheps DS, **Bremner JD**: Major depression and coronary flow reserve detected by positron emission tomography. *Arch Int Med* 2009 Oct; 169(18):1668-76. PMID: 19822823; PMC2899479.
186. Lanius RA, Brewin CR, **Bremner JD**, Daniels JK, Friedman MJ, Liberzon I, McFarlane A, Schnurr PP, Shin L, Stein M, Vermetten E: Does neuroimaging research examining the pathophysiology of posttraumatic stress disorder require medication-free patients? *J Psychiatry Neurosci* 2010; 35(2):80-9. PMID: 20184804; PMC2834789.
187. Su S, Lampert R, Lee F, **Bremner JD**, Snieder H, Jones L, Murrah NV, Goldberg J, Vaccarino V: Common genes contribute to depressive symptoms and heart rate variability: the twins heart study. *Twin Res Hum Genet* 2010; 13(1):1-9. PMID: 20158303; PMC2905576.
188. Freidenberg BM, Gusmano R, Hickling EJ, Blanchard EB, **Bremner JD**, Frye C: Women with PTSD have lower basal salivary cortisol levels later in the day than do men with PTSD: a preliminary study. *Physiol Behav* 2010; 99(2):234-6. PMID: 19524600. PMC3233759.
189. Kraus A, Valerius G, Seifritz E, Ruf M, **Bremner JD**, Bohus M, Schmahl C: Script-driven imagery of self-injurious behavior in patients with borderline personality disorder: a pilot fMRI study. *Acta Psychiatr Scand* 2010; 121(1):41-51. PMID: 19522883. PMC3233769.
190. **Bremner JD**: Cognitive processes in dissociation: comment on Giesbrecht et al. (2008). *Psychol Bull* 2010; 136(1):1-6; discussion 7-11. PMC2835500
191. Lanius RA, Vermetten E, Loewenstein RJ, Brand B, Schmahl C, **Bremner JD**, Spiegel D: Emotion modulation in PTSD: Clinical and neurobiological evidence for a dissociative subtype. *Am J Psychiatry* 2010; 167:640-647. PMID: 20360318. PMC3226703.
192. Vaccarino V, Khan D, Votaw J, Faber T, Veledar E, Jones DP, Goldberg J, Raggi P, Quyyumi AA, **Bremner JD**: Inflammation is related to coronary flow reserve detected by positron emission tomography in asymptomatic male twins. *J Am Coll Cardiol* 2011; 57:1271-1279. PMID: 21392641. PMC3073445.
193. Shah AJ, Su S, Veledar E, **Bremner JD**, Goldstein FC, Lampert R, Goldberg J, Vaccarino V: Is heart rate variability related to memory performance in middle-aged men? *Psychosom Med* 2011; 73:475-482. PMID: 21715297; PMC3307789.

194. Rooks C, Faber T, Votaw J, Veledar E, Goldberg J, Raggi P, Quyyumi AA, **Bremner JD**, Vaccarino V: Effects of smoking on coronary microcirculatory function: a twin study, *Atherosclerosis* 2011; 215:500-506. PMC3082474.
195. Plaza A, Torres A, Martin-Santos R, Gelabert E, Imaz ML, Navarro P, **Bremner JD**, Valdes M, Garcia-Esteve L: Validation and test-retest reliability of Early Trauma Inventory in Spanish postpartum women. *J Nerv Ment Dis* 2011; 199:280-285. PMID: 21451355. PMC3226711.
196. Powers WJ, Clarke WR, Grubb RL Jr, Videen TO, Adams HP Jr, Derdeyn CP; COSS Investigators. Extracranial-intracranial bypass surgery for stroke prevention in hemodynamic cerebral ischemia: the Carotid Occlusion Surgery Study randomized trial. *JAMA*. 2011; Nov 9; 306(18):1983-92. PMID: 22065529. PMC3601825.
197. Fani N, Ashraf A, Afzal N, Jawed F, Kitayama N, Reed L, **Bremner JD**: Increased neural response to trauma scripts in posttraumatic stress disorder following paroxetine treatment: A pilot study. *Neurosci Lett* 2011; 491:196-201. PMID: 20360318. PMC3078795.
198. Shah AJ, Veledar E, Hong Y, **Bremner JD**, Vaccarino V: Depression and history of attempted suicide as risk factors for heart disease mortality in young individuals. *Arch Gen Psychiatry* 2011; 68(11):1135-42. PMID: 22065529. PMC3230326.
199. **Bremner JD**, Shearer KD, McCaffery PJ: Retinoic acid and affective disorders: the evidence for an association. *J Clin Psychiatry* 2012; 73(1):37-50. PMC3276716.
200. Eufinger SC, Votaw J, Faber T, Ziegler TR, Goldberg J, **Bremner JD**, Vaccarino V: Habitual dietary sodium intake is inversely associated with coronary flow reserve in middle-aged male twins. *Am J Clin Nutr* 2012; 95(3): 572-599. PMID: 2232324. PMC3278238.
201. Su S, Votaw J, Faber T, Khan D, **Bremner JD**, Goldberg J, Nichols K, Van Tosh A, Vaccarino V: Measurement of heritability of myocardial blood flow by positron emission tomography: the Twins Heart Study. *Heart* 2012; 98(6):495-499. PMID: 2232324. PMC4380432.
202. Rooks C, Veledar E, Goldberg J, **Bremner JD**, Vaccarino V: Early trauma and inflammation: Role of familial factors in a study of twins. *Psychosom Med* 2012; 74(2):146-152. PMID: 22286843. PMC3307790.
203. Zhao J, Goldberg J, **Bremner JD**, Vaccarino V: Global DNA methylation is associated with insulin resistance: A monozygotic twin study. *Diabetes* 2012; 61 (2):542-546. PMC3266395.
204. Vaccarino V, **Bremner JD**. Traumatic stress is heartbreaking. *Biol Psychiatry*. 2013;74:790-792. PMC4667744
205. Plantinga L, **Bremner JD**, Miller AA, Jones DP, Veledar E, Goldberg J, Vaccarino V: Association between posttraumatic stress disorder and inflammation: A twin study. *Brain Behav Immun*. 2013; 30:125-132 PMID: 23379997. PMC3641167.
206. Fareed A, Eilender P, Haber H, **Bremner J**, Whitfield N, Drexler K: Comorbid posttraumatic stress disorder and opiate addiction: A literature review. *J Addict Dis* 2013; 32(2):168-179. doi: DOI:10.1080/10550887.2013.795467.

207. Zhao J, Goldberg J, **Bremner JD**, Vaccarino V: Association between promoter methylation of serotonin transporter gene and depressive symptoms: A monozygotic twin study. *Psychosom Med* 2013; 75:523-529. PMID: 23766378. PMC3848698.
208. Vaccarino V, Goldberg J, Rooks C, Shah AJ, Veledar E, Faber TL, Votaw JR, Forsberg CW, **Bremner JD**: Post-traumatic stress disorder and incidence of coronary heart disease: a twin study. *J Am Coll Cardiol.* 2013; 62(11):970-8. PMID: 23810885. PMC3823367.
209. Zhao J, **Bremner JD**, Goldberg J, Quyyumi AA, Vaccarino V: Monoamine oxidase A genotype, childhood trauma, and subclinical atherosclerosis: a twin study. *Psychosom Med.* 2013; 75:(5):471-7. PMID: 23723362. PMC3739689.
210. Ramadan R, Sheps D, Esteves F, Zafari AM, **Bremner JD**, Vaccarino V, Quyyumi AA. Myocardial ischemia during mental stress: Role of coronary artery disease burden and vasomotion. *JAHA.* 2013;2:e000321. PMC3835239.
211. Shah AJ, Lampert R, Goldberg J, Veledar E, **Bremner JD**, Vaccarino V: Posttraumatic stress disorder and impaired autonomic modulation in male twins. *Biol Psychiatry.* 2013; 73(11):1103-10. PMID: 23434412. PMC3648627.
212. Vaccarino V, **Bremner JD**: Traumatic stress is heartbreaking. *Biol. Psychiatry.* 2013; 74 (11):790-792. PMID: 24188697. doi: 10.1016/j.biopsych.2013.10.002 , PMC4667744.
213. Nye JA, Votaw JR, **Bremner JD**, Davis MR, Voll RJ, Camp VM, Goodman MM: Quantification of dopamine transporter density with [F-18]FECNT PET in healthy humans. *Nuclear Medicine and Biology* 2014; 41(3): 217-22. PMID: 24533985. PMC4428027.
214. Vaccarino V, Shah AJ, Rooks C, Ibeanu I, Nye JA, Pimple P, Salerno A, D'Marco L, Karohl C, **Bremner JD**, Raggi P: Sex differences in mental stress-induced myocardial ischemia in young survivors of an acute myocardial infarction. *Psychosom Med* 2014; 76(3):171-180. PMID: 24608039. PMC4008686.
215. Wei J, Rooks C, Ramadan R, Shah AJ, **Bremner JD**, Quyyumi AA, Kutner M, Vaccarino V: Meta-analysis of mental stress-induced myocardial ischemia and subsequent cardiac events in patients with coronary artery disease. *Am J Cardiol.* 2014; 114(2):187-92. PMID: 24856319. PMC4126399.
216. Powers WJ1, Clarke WR, Grubb RL Jr, Videen TO, Adams HP Jr, Derdeyn CP; COSS Investigators: Lower stroke risk with lower blood pressure in hemodynamic cerebral ischemia. *Neurology* 2014; 82(12):1027-1032. PMID: 24532276. PMCID: PMC3962994.
217. Wei J, Pimple P, Shah AJ, Rooks C, **Bremner JD**, Nye JA, Ibeanu I, Murrah N, Shallenberger L, Raggi P, Vaccarino V: Depressive symptoms are associated with mental stress-induced myocardial ischemia after acute myocardial infarction. *Plos One.* 2014; 9:e102986. PMC4111307.
218. Kulshreshtha A, Zheng Y, Quyyumi AA, Veledar E, Votaw J, Uphoff I, **Bremner JD**, Goldberg J, Vaccarino V: Endothelial dysfunction is associated with occult Coronary Artery Disease detected by Positron Emission Tomography. *IJC Metab Endocr.* 2014; 1(4):28-43. PMC4234055, doi: 10.1016/j.ijcme.2014.07.004. PMC4234055/

219. Ramadan R, Vaccarino V, Esteves F, Sheps DS, **Bremner JD**, Raggi P, Quyyumi AA: Association of Vitamin D status with mental stress-induced myocardial ischemia in patients with coronary artery disease. *Psychosom Med.* 2014; 76:569-575. PMC4166546.
220. Kulshreshtha A, Goyal A, Veledar E, McClellan W, Judd S, Eufinger SC, **Bremner JD**, Goldberg J, Vaccarino V: Association between ideal cardiovascular health and carotid intima-media thickness: A twin study. *J Am Heart Assoc.* 2014; 3:e000282. PMC3959690.
221. Goetz M, Shah A, Goldberg J, Cheema F, Shallenberger L, Murrah NV, **Bremner JD**, Vaccarino V: Posttraumatic stress disorder, combat exposure, and carotid intima-media thickness in male twins. *Am J Epidemiol.* 2014; 180:989-996. PMC4224362.
222. Pimple P, Shah A, Rooks C, **Bremner JD**, Nye J, Ibeanu I, Murrah N, Shallenberger L, Kelley M, Raggi P, Vaccarino V: Association between anger and mental stress-induced myocardial ischemia. *Am Heart J.* 2015; 169:115-121. e112. PMC4268485.
223. Pimple P, Shah AJ, Rooks C, **Bremner JD**, Nye J, Ibeanu I, Raggi P, Vaccarino V: Angina and mental stress-induced myocardial ischemia. *J Psychosom Res.* 2015; 78:433-437. PMC4380582.
224. Saigh PA, Yasik AE, Halamandaris PV, **Bremner JD**, Oberfield RA: The parent ratings of traumatized children with or without PTSD. *Psychological Trauma: Theory, Research, Practice, and Policy.* 2015; 7(1):85-92.
225. **Bremner JD**: PTSD: Current Therapies. Cyberrounds, 2015.
226. **Bremner JD**: Start Now: Recovering from psychological trauma. Thedoctorwillseeyounow.com. 2015. Accessed May 5, 2015. <http://www.thedoctorwillseeyounow.com/content/stress/art4651.html>
227. Rooks C, Veledar E, Goldberg J, Votaw J, Shah A, **Bremner JD**, Vaccarino V: Long-term consequences of early trauma on Coronary Heart Disease: Role of familial factors. *J Trauma Stress.* 2015; 28(5):456-9. doi: 10.1002/jts.22044. PMC5874794.
228. Saigh PA, Yasik AE, Halamandaris PV, **Bremner JD**, Oberfield RA: The parent ratings of traumatized children with or without PTSD. *Psychol Trauma.* 2015; 7(1):85-92. 2015 Jan. doi: 10.1037/a0037433.
229. Rooks CR, Ibeanu I, Shah A, Pimple P, Murrah N, Shallenberger L, Pace T, **Bremner JD**, Raggi P, Vaccarino V: Young women post-MI have higher plasma concentrations of interleukin-6 before and after stress testing. *Brain Behav Immun.* 2016; 51:92-98. Epub 2015 Aug 8. doi:10.1016/j.bbi.2015.08.008. PMC4679443.
230. Vaccarino V, Wilmot K, Al Mheid I, Ramadan R, Pimple P, Shah AJ, Garcia EV, Nye J, Ward L, Hammadah M, Kutner M, Long Q, **Bremner JD**, Esteves F, Raggi P, Quyyumi AA: Sex differences in mental stress-induced myocardial ischemia in patients with coronary heart disease. *J Am Heart Assoc.* 2016; 5(9). 2016 Aug 24. pii: e003630. doi: 10.1161/JAHA.116.003630. PMID: 27559072. PMC5079026
231. Hammadah M, Al Mheid I, Wilmot K, Ramadan R, Shah AJ, Sun Y, Pearce B, Garcia EV, Kutner M, **Bremner JD**, Esteves F, Raggi P, Sheps DS, Vaccarino V, Quyyumi AA: The Mental Stress Ischemia Prognosis Study (MIPS): Objectives, study design, and prevalence

of inducible ischemia. *Psychosom Med* 2017; 79(3):311-317. Epub 20 Dec 2017. doi: 10.1097/0000000000000442. PMC5373992.

232. Vaccarino V, **Bremner JD**: Behavioral, emotional and neurobiological determinants of coronary heart disease risk in women. *Neurosci Biobehav Rev.* 2017; 74(Pt B):297-309. Epub 2016 Aug 2. doi: 10.1016/j.neubiorev.2016.04.023. PMC5290226.
233. **Bremner JD**, Mishra S, Campanella C, Shah, M, Afzal N, Kasher N, Evans E, Fani F, Shah A, Reiff C, Davis L, Vaccarino V, Carmody J: Effects of Mindfulness Based Stress Reduction (MBSR) on PTSD symptoms and brain response to traumatic reminders of combat in Operation Enduring Freedom/Operation Iraqi Freedom (OEF/OIF) combat veterans with posttraumatic stress disorder (PTSD). *Front Psychiatry* 2017; 8(157):1-8; 25 Aug 2017. doi:10.3389/fpsy.2017.00157. PMC5574875.
234. **Bremner JD**, Rapaport MH: Vagal nerve stimulation: Back to the future. *Am J Psychiatry.* 2017; 147(7): 609-610. doi: 10.1176/appi.ajp.2017.17040422. PMC8136752.
235. O'Neal WT, Hammadah M, Sandesara PB, Almuwaqqat Z, Samman-Tahhan A, Gafeer MM, Abdelhadi N, Wilmot K, Al Mheid I, **Bremner JD**, Kutner M, Soliman EZ, Shah AJ, Quyyumi AA, Vaccarino V: The association between acute mental stress and abnormal left atrial electrophysiology. *J Cardiovasc Electrophysiol* 2017; 28(10):1151-1157. Oct 2017. Epub 2017 Aug 22. doi: 10.1111/jce.13295. PMC5638698.
236. Hammadah M, Alkhoder A, Al Mheid I, Wilmot K, Isakadze N, Abdulhadi N, Chou D, Obideen M, O'Neal WT, Sullivan S, Samman Tahhan A, Mohamed Kelli H, Ramadan R, Pimple P, Sandesara P, Shah AJ, Ward L, Ko Y-A, Sun Y, Uphoff I, Pearce B, Garcia EV, Kutner M, **Bremner JD**, Esteves F, Sheps DS, Raggi P, Vaccarino V, Quyyumi AA: Hemodynamic, catecholamine, vasomotor and vascular responses: Determinants of myocardial ischemia during mental stress. *Int J Cardiol* 2017; 243:47-53. Epub 2017 May 25. doi:10.1016/j.ijcard.2017.05.093. PMC5532063.
237. Hammadah M, Al Mheid I, Wilmot K, Ramadan R, Abdulhadi N, Alkhoder A, Obideen M, Pimple PM, Levantsevych O, Kelli HM, Shah A, Sun B, Pearce B, Kutner M, Long, Q, Ward L, Ko Y-A, Hosny Mohammed K, Lin J, Zhao J, **Bremner JD**, Kimm J, Wallter EK, Raggi P, Sheps D, Quyyumi AA, Vaccarino V: Telomere shortening, regenerative capacity, and cardiovascular outcomes. *Circ Res* 2017; 120(7):1130-1138. doi:10.1161/CIRCRESAHA.116.309421. PMC5376244.
238. Hammadah M, Al Mheid I, Wilmot K, Ramadan R, Alkhoder A, Obideen M, Abdelhadi N, Fang S, Ibeanu I, Pimple P, Mohamed Kelli H, Shah AJ, Pearce B, Sun Y, Garcia EV, Kutner M, Long Q, Ward L, **Bremner JD**, Esteves F, Raggi P, Sheps D, Vaccarino V, Quyyumi AA: Association between high-sensitivity cardiac troponin levels and myocardial ischemia during mental stress and conventional stress. *JACC Cardiovasc Imaging* 2018; 11(4):603-611. Epub 2017 Mar 15. doi: 10.1016/j.jcmg.2016.11.021. PMC5814354.
239. Gurel NZ, Shandhi MH, **Bremner JD**, Vaccarino V, Ladd SL, Shallenberger LH, Shah A, Inan OT: Toward Closed-Loop Transcutaneous Vagus nerve stimulation using peripheral cardiovascular physiological biomarkers: A proof-of-concept study. *IEEE International Conference on Wearable and Implantable Body Sensor Networks (BSN)*. Las Vegas NV. 2018, 78-81. doi: 10.1109/BSN.2018.8329663.

240. Hammadah M, Kim JH, Al Mheid I, Samman Tahhan A, Wilmot K, Ramadan R, Alkhoder A, Khayata M, Mekonnen G, Levantsevych O, Bouchi Y, Kaseer B, Choudhary F, Gafeer MM, Corrigan FE 3rd, Shah AJ, Ward L, Kutner M, **Bremner JD**, Sheps DS, Raggi P, Vaccarino V, Samady H, Mavromatis K, Quyyumi AA: Coronary and peripheral vasomotor responses to mental stress. *J Am Heart Assoc.* 2018 May 3;7(10). pii: e008532. doi: 10.1161/JAHA.118.008532. PMC6015339.
241. Hammadah M, Tahhan AS, Al Mheid I, Wilmot K, Ramadan R, Kindya BR, Kelli HM, O'Neal WT, Sandesara P, Sullivan S, Almuwaqqat Z, Obideen M, Abdelhadi N, Alkhoder A, Pimple PM, Levantsevych O, Mohammed KH, Weng L, Sperling LS, Shah AJ, Sun YV, Pearce BD, Kutner M, Ward L, **Bremner JD**, Kim J, Waller EK, Raggi P, Sheps D, Vaccarino V, Quyyumi AA: Myocardial ischemia and mobilization of circulating progenitor cells. *JAHA* 2018; 7(4):e007504. Epub Feb 10 2018. doi: 10.1161/JAHA.117.007504. PMC5850188.
242. Sullivan S, Hammadah M, Al Mheid I, Wilmot K, Ramadan R, Alkhoder A, Ipssakadze N, Shah A, Levantsevych O, Pimple PM, Kutner M, Ward L, Garcia EV, Nye J, Mehta PK, Lewis TT, **Bremner JD**, Raggi P, Quyyumi AA, Vaccarino V: Sex differences in hemodynamic and microvascular mechanisms of myocardial ischemia induced by mental stress. *Arterioscler Thromb Vasc Biol.* 2018; 38(2):473-480. 2018 Feb. Epub 2017 Dec 21. doi: 10.1161/ATVBAHA.117.309535. PMC5785428.
243. **Bremner JD**, Campanella C, Khan Z, Shah M, Hammadah M, Wilmot K, Al Mheid I, Lima BB, Garcia EV, Nye J, Ward L, Kutner MH, Raggi P, Pearce BD, Shah AJ, Quyyumi AA, Vaccarino V: Brain correlates of mental stress-induced myocardial ischemia. *Psychosom Med* 2018; 80(6): 215-225; Epub 14 May 2018. doi: 10.1097/PSY.0000000000000597 PMID: 29794945, PMC6023737.
244. Hammadah M, Kim JH, Tahhan AS, Kindya B, Liu C, Ko YA, Al Mheid I, Wilmot K, Ramadan R, Alkhoder A, Choudhary F, Gafeer MM, Abdelhadi N, Pimple P, Sandesara P, Lima BB, Shah AJ, Ward L, Kutner M, **Bremner JD**, Sheps DS, Raggi P, Sperling LS, Vaccarino V, Quyyumi AA: Use of high-sensitivity cardiac troponin for the exclusion of inducible myocardial ischemia: A cohort study. *Ann Intern Med.* 2018;169(11):751-760. 2018 Dec 4. Epub 2018 Nov 6. doi: 10.7326/M18-0670. doi: 10.7326/M18-0670. PMC6942174.
245. Huang M, Shah A, Su S, Goldberg J, Lampert RJ, Levantsevych OM, Shallenberger L, Pimple P, **Bremner JD**, Vaccarino V. Association of depressive symptoms and heart rate variability in Vietnam War-Era twins: A longitudinal twin difference study. *JAMA Psychiatry.* 2018;75(7):705-712. 2018 Jul 1. doi: 10.1001/jamapsychiatry.2018.0747. PMC6059565.
246. Isakadze N, Soliman EZ, Vaccarino V, Whang W, Lampert R, **Bremner JD**, Shah AJ: Association of positive well-being with reduced cardiac repolarization abnormalities in the First National Health and Nutrition Examination Survey. *Int J Cardiol* 2018; S0167-5273(17), 32384-32387. doi: 10.1016/j.ijcard.2018.04.135. PMC5994381.
247. Sullivan S, Hammadah M, Wilmot K, Ramadan R, Pearce BD, Shah A, Kaseer B, Gafeer MM, Lima BB, Kim JH, Ward L, Ko YA, Lewis TT, Hankus A, Elon L, Li L, **Bremner JD**, Raggi P, Quyyumi A, Vaccarino V: Young women with Coronary Artery Disease

- exhibit higher concentrations of interleukin-6 at baseline and in response to mental stress. *J Am Heart Assoc.* 2018; 7(23):e010329. 2018 Dec 4. doi: 10.1161/JAHA.118.010329. PMC6405549.
248. Vaccarino V, Sullivan S, Hammadah M, Wilmot K, Al Mheid I, Ramadan R, Elon L, Pimple PM, Garcia EV, Nye J, Shah AJ, Alkhoder A, Levantsevych O, Gay H, Obideen M, Huang M, Lewis TT, **Bremner JD**, Quyyumi AA, Raggi P. Mental stress-induced-myocardial ischemia in young patients with recent myocardial infarction: Sex differences and mechanisms. *Circulation.* 2018; 137(8):794-805. 20 Feb 2018. doi: 10.1161/CIRCULATIONAHA.117.030849. PMC5822741.
249. Pimple P, Hammadah M, Wilmot K, Ramadan R, Al Mheid I, Levantsevych O, Sullivan S, Garcia EV, Nye J, Shah AJ, Ward L, Mehta P, Raggi P, **Bremner JD**, Quyyumi AA, Vaccarino V: Chest pain and mental stress-induced myocardial ischemia: Sex differences. *Am J Med.* 2018; 131(5):540-547.e1. Epub 2017 Dec 7. doi: 10.1016/j.amjmed.2017.11.026. PMC5910270.
250. Hammadah M, Sullivan S, Pearce B, Al Mheid I, Wilmot K, Ramadan R, Tahhan AS, O'Neal WT, Obideen M, Alkhoder A, Abdelhadi N, Mohamed Kelli H, Ghafeer MM, Pimple P, Sandesara P, Shah AJ, Hosny KM, Ward L, Ko YA, Sun YV, Weng L, Kutner M, **Bremner JD**, Sheps DS, Esteves F, Raggi P, Vaccarino V, Quyyumi AA: Inflammatory response to mental stress and mental stress induced myocardial ischemia. *Brain Behav Immun.* 2018; 68:90-97. Epub 2017 Oct 3. doi: 10.1016/j.bbi.2017.10.004. PMC5808921
251. Pimple P, Hammadah M, Wilmot K, Ramadan R, Al Mheid I, Levantsevych O, Sullivan S, Lima BB, Kim JH, Garcia EV, Nye J, Shah AJ, Ward L, Raggi P, **Bremner JD**, Hanfelt J, Lewis TT, Quyyumi AA, Vaccarino V: The relation of psychosocial distress with myocardial perfusion and stress-induced myocardial ischemia. *Psychosom Med* 2019; 81(4):363-374; Epub date Jan 23. doi: 10.1097/PSY.0000000000000674. PMID: 30676537. PMC6955148
252. Almuwaqqat Z, Sullivan S, Hammadah M, Lima BB, Shah AJ, Abdelhadi N, Fang S, Wilmot K, Al Mheid I, **Bremner JD**, Garcia E, Nye JA, Elon L, Li L, O'Neal WT, Raggi P, Quyyumi AA, Vaccarino V: Sex-specific association between coronary artery disease severity and myocardial ischemia induced by mental stress. *Psychosom Med* 2019; 81(1):57-66. doi: 10.1097/PSY.0000000000000636. PMID: 30571661. PMC6800112
253. **Bremner JD**, Campanella C, Khan Z, Fani N, Kasher N, Evans S, Reiff C, Mishra S, Ladd S, Nye JA, Raggi P, Vaccarino V. Brain mechanisms of stress and depression in coronary artery disease. *J Psychiatr Res* 2019; 109:76-88. 2019 Feb. Epub 2018 Nov 22. doi: 10.1016/j.jpsychires.2018.11.017. PMID: 30508746. PMC6317866.
254. **Bremner JD**, Fani N, Cheema FA, Ashraf A, Vaccarino V: Effects of a mental stress challenge on brain function in coronary artery disease patients with and without depression. *Health Psychol* 2019; 38(10):910-924. Epub 2019 Aug 5. doi: 10.1037/hea0000742. PMC6746592.
255. Huang M, Su S, Goldberg J, Miller AH, Levantsevych OM, Shallenberger L, Pimple P, Pearce B, **Bremner JD**, Vaccarino V: Longitudinal association of inflammation with depressive symptoms: A 7-year cross-lagged twin difference study. *Brain Behav Immun.* 2019; 75:200-207. Epub 2018 Oct 27. doi: 10.1016/j.bbi.2018.10.007. PMC6279462.

256. Sullivan S, Kelli HM, Hammadah M, Topel M, Wilmot K, Ramadan R, Pearce BD, Shah A, Lima BB, Kim JH, Hardy S, Levantsevych O, Obideen M, Kaseer B, Ward L, Kutner M, Hankus A, Ko YA, Kramer MR, Lewis TT, **Bremner JD**, Quyyumi A, Vaccarino V: Neighborhood poverty and hemodynamic, neuroendocrine, and immune response to acute stress among patients with coronary artery disease. *Psychoneuroendocrinology*. 2019; 100:145-155. Epub 2018 Oct 1. doi: 10.1016/j.psyneuen.2018.09.040. PMC6530548.
257. Sullivan S, Hammadah M, Al Mheid I, Shah A, Sun YV, Kutner M, Ward L, Blackburn E, Zhao J, Lin J, **Bremner JD**, Quyyumi AA, Vaccarino V, Lewis TT: An investigation of racial/ethnic and sex differences in the association between experiences of everyday discrimination and leukocyte telomere length among patients with coronary artery disease. *Psychoneuroendocrinology*. 2019; 106:122-128. Epub 2019 Mar 25. doi: 10.1016/j.psyneuen.2019.03.021. PMC6655339.
258. Davis LL, Whetsell C, Hamner MB, Carmody J, Rothbaum BO, Allen RS, Bartolucci A, Southwick S, **Bremner JD**: A multi-site randomized controlled trial of Mindfulness Based Stress Reduction in the treatment of posttraumatic stress disorder. *Psych Res Clin Pract* 2019; 1(2):39-48. Epub 13 Sep 2018. doi: 10.1176/appi.prcp.20180002. PMC8189576
259. Gurel NZ, Carek AM, Inan OT, Levantsevych O, Abdelhadi N, Hammadah M, O'Neal WT, Kelli H, Wilmot K, Ward L, Rhodes S, Pearce BD, Mehta PK, Kutner M, Garcia E, Quyyumi A, Vaccarino V, Raggi P, **Bremner JD**, Shah AJ: Comparison of autonomic stress reactivity in young healthy versus aging subjects with heart disease. *PLOS ONE* 2019; 14(5):e0216278. Epub May 8, 2019. doi:10.1371/journal.pone.0216278. PMC6505888.
260. Shah A, Chen C, Campanella C, Kasher N, Evans S, Reiff C, Mishra S, Hammadah M, Lima BB, Wilmot K, Al Mheid I, Alkhoder A, Isakadze N, Levantsevych O, Pimple PM, Garcia EV, Wittbrodt M, Nye J, Ward L, Lewis TT, Kutner M, Raggi P, Quyyumi A, Vaccarino V, **Bremner JD**: Brain correlates of stress-induced peripheral vasoconstriction in patients with cardiovascular disease. *Psychophysiology*. 2019; 56(2):e13291. Epub 2018 Oct 1. doi: 10.1111/psyp.13291. PMC6331265.
261. Lima BB, Hammadah M, Wilmot K, Pearce BD, Shah A, Levantsevych O, Kaseer B, Obideen M, Gafeer MM, Kim JH, Sullivan S, Lewis TT, Weng L, Elon L, Li L, **Bremner JD**, Raggi P, Quyyumi A, Vaccarino V: Posttraumatic stress disorder is associated with enhanced interleukin-6 response to mental stress in subjects with a recent myocardial infarction. *Brain Behav Immun*. 2019; 75:26-33. 2019 Jan. Epub 2018 Aug 30. doi: 10.1016/j.bbi.2018.08.015. PMC6279471.
262. Pimple P, Lima BB, Hammadah M, Wilmot K, Ramadan R, Levantsevych O, Sullivan S, Kim JH, Kaseer B, Shah AJ, Ward L, Raggi P, **Bremner JD**, Hanfelt J, Lewis T, Quyyumi AA, Vaccarino V: Psychological distress and subsequent cardiovascular events in individuals with coronary artery disease. *J Am Heart Assoc*. 2019; 8(9):e011866. 2019 May 7. doi: 10.1161/JAHA.118.011866. PMC6512132.
263. Wittbrodt MT, Moazzami K, Lima BB, Alama A, Corry D, Hammadah M, Campanella C, Ward L, Quyyumi AA, Shah AJ, Vaccarino V, Nye JA, **Bremner JD**: Early childhood trauma alters neurological responses to mental stress in patients with coronary artery

- disease. *J Affect Disord* 2019; 254:49-58. 1 July 2019. Epub 2019 May 11. doi: 10.1016/j.jad.2019.05.018. PMC6592739.
264. Moazzami K, Lima BB, Sullivan S, Shah A, **Bremner JD**, Vaccarino V: Independent and joint association of obesity and metabolic syndrome with depression and inflammation. *Health Psychol.* 2019; 38(7):586-595. Jul 1 2019, Epub 2019 May 23. doi: 10.1037/hea0000764. PMC6626601.
265. Almuwaqqat Z, Jokhadar M, Norby FL, Lutsey PL, O'Neal WT, Seyerle A, Soliman EZ, Chen LY, **Bremner JD**, Vaccarino V, Shah AJ, Alonso A: Association of antidepressant medication type with the incidence of cardiovascular disease in the ARIC study. *J Am Heart Assoc.* 2019; 8(11):e012503. 2019 Jun 4. Epub 2019 May 29. doi: 10.1161/JAHA.119.012503. PMID: 31140335. PMC6585369.
266. Saelee R, Vaccarino V, Sullivan S, Hammadah M, Shah A, Wilmot K, Abdelhadi N, Elon L, Pimple P, Kaseer B, Levantsevych O, **Bremner JD**, Lewis TT: Longitudinal associations between self-reported experiences of discrimination and depressive symptoms in young women and men post- myocardial infarction. *J Psychosom Res.* 2019; 124. pii: 109782. 2019 Sep. Epub 2019 Jul 19. doi: 10.1016/j.jpsychores.2019.109782. PMC6673666.
267. Lima BB, Hammadah M, Kim JH, Uphoff I, Shah A, Levantsevych O, Almuwaqqat Z, Moazzami K, Sullivan S, Ward L, Kutner M, Ko YA, Sheps DS, **Bremner JD**, Quyyumi AA, Vaccarino V: Association of transient endothelial dysfunction induced by mental stress with Major Adverse Cardiovascular Events in men and women with coronary artery disease. *JAMA Cardiol.* 2019; 4(10):988-996. Epub 2019 Sep 11. doi: 10.1001/jamacardio.2019.3252. PMC6739728.
268. Kasher N, Wittbrodt MT, Alam ZS, Lima BB, Nye JA, Campanella C, Ladd S, Hammadah M, Shah AJ, Raggi P, Quyyumi AA, Vaccarino V, **Bremner JD**: Sex differences in brain activation patterns with mental stress in patients with coronary artery disease. *Biol Sex Differ.* 2019; 10(1):35. 2019 Jul 12. doi: 10.1186/s13293-019-0248-4. PMC6626382.
269. Kim JH, Almuwaqqat Z, Hammadah M, Liu C, Ko YA, Lima BB, Sullivan S, Alkhoder A, Abdulbaki R, Ward L, **Bremner JD**, Sheps D, Raggi P, Sun Y, Shah AJ, Vaccarino V, Quyyumi AA: Peripheral vasoconstriction during mental stress and adverse cardiovascular outcomes in patients with coronary artery disease. *Circ Res.* 2019; 125(10):874-883. Epub 2019 Sep 25. doi: 10.1161/CIRCRESAHA.119.315005. PMID: 31550998. PMC7134565.
270. Kulshreshtha A, Goetz M, Alonso A, Shah AJ, **Bremner JD**, Goldberg J, Vaccarino V: Association between cardiovascular health and cognitive performance: A twins study. *J Alzheimers Dis.* 2019;71(3):957-968. doi: 10.3233/JAD-190217. PMC6918828.
271. Adair D, Truong D, Esmaeilpour Z, Gebodh N, Borges H, Ho L, **Bremner JD**, Badran BW, Napadow V, Clark VP, Bikson M: Electrical stimulation of cranial nerves in cognition and disease. *Brain Stimul.* 2020; 13; (3):717-750, May 01, 2020. Epub February 23, 2020. doi:10.1016/j.brs.2020.02.019. PMC7196013.
272. Fonkoue IT, Marvar PJ, Norrholm S, Li Y, Kankam ML, Jones TN, Vemulapalli M, Rothbaum B, **Bremner JD**, Le NA, Park J. Symptom severity impacts sympathetic dysregulation and inflammation in post-traumatic stress disorder (PTSD). *Brain Beh Immun.* 2020; 83:260-269. Jan 2020. Epub 2019 Nov 1. doi:10.1016/j.bbi.2019.10.021. PMC6906238.

273. Wittbrodt MT, Moazzami K, Shah AJ, Lima BB, Hammadah M, Mehta PK, Quyyumi AA, Vaccarino V, Nye JA, **Bremner JD**: Neural responses during acute mental stress are associated with angina pectoris. *J Psychosom Res.* 2020; 134:110110. Jul 2020. Epub 2020 Apr 11. 202 Jul. doi: 10.1016/j.jpsychores.2020.110110. PMC8082434.
274. Gurel NZ, Gazi AH, Scott KL, Wittbrodt MT, Shah AJ, Vaccarino V, **Bremner JD**, Inan OT. Timing considerations for noninvasive Vagal Nerve Stimulation in clinical studies. *AMIA Ann Symp Proc.* 2020; 2019:1061-1070. Epub 2020 Apr 11. doi: 10.1016/j.jpsychores.2020.110110. PMC7153149.
275. Moazzami K, Lima BB, Hammadah M, Ramadan R, Al Mheid I, Kim JH, Alkhoder A, Obideen M, Levantsevych O, Shah A, Liu C, **Bremner JD**, Kutner M, Sun YV, Waller EK, Hesaroiegh IG, Raggi P, Vaccarino V, Quyyumi AA: Association between change in circulating progenitor cells during exercise stress and risk of adverse cardiovascular events in patients with coronary artery disease. *JAMA Cardiol.* 2020; 5(2):147-155. Feb 2020. Epub 2019 Dec 4. doi: 10.1001/jamacardio.2019.4528. PMC6902161.
276. Vaccarino V, Badimon L, **Bremner JD**, Cenko E, Cubedo J, Dorobantu M, Duncker DJ, Koller A, Manfrini O, Milicic D, Padro T, Pries AR, Quyyumi AA, Tousoulis D, Trifunovic D, Vasiljevic Z, de Wit C, Bugiardini R: Depression and coronary heart disease: 2018 position paper of the ESC working group on coronary pathophysiology and microcirculation. *Eur Heart J.* 2020; 41(17):1687-1696. May 1 20.20. Epub 28 Jan 2019; doi: 10.1093/eurheartj/ehy913. PMID: 30698764
277. Moazzami K, Wittbrodt MT, Lima BB, Levantsevych O, Kaseer B, Martini A, Haffar A, Nye JA, Quyyumi AA, Sha A, Vaccarino V, **Bremner JD**: Neural correlates of stress and abdominal obesity in patients with coronary artery disease. *Psychosom Med.* 2020; 82(3):272-280. 2020 Apr. Epub 2019 Dec 13. doi: 10.1097/PSY.0000000000000776. PMC7138710.
278. Moazzami K, Wittbrodt MT, Lima BB, Kim JH, Hammadah M, Ko YA, Obideen M, Abdelhadi N, Kaseer B, Gafeer MM, Nye JA, Shah AJ, Ward L, Raggi P, Waller EK, **Bremner JD**, Quyyumi AA, Vaccarino V: Circulating progenitor cells and cognitive impairment in men and women with coronary artery disease. *J Alzheimers Dis.* 2020; 74(2):659-668. doi: 10.3233/JAD-191063. PMID: 32083582. PMC8389168
279. Lima BB, Hammadah M, Pearce BD, Shah A, Moazzami K, Kim JH, Sullivan S, Levantsevych O, Lewis TT, Weng L, Elon L, Li L, Raggi P, **Bremner JD**, Quyyumi A, Vaccarino V. Association of posttraumatic stress disorder with mental stress-induced myocardial ischemia in adults after myocardial infarction. *JAMA Netw Open.* 2020; 3(4):e202734. Apr 14 2020. Epub 2020 Apr 1. doi: 10.1001/jamanetworkopen.2020.2734. PMC7156990.
280. Shah AS, Lampert R, Goldberg J, **Bremner JD**, Li L, Thames MD, Vaccarino V, Shah AJ: Alterations in heart rate variability are associated with abnormal myocardial perfusion. *Int J Cardiol.* 2020; 305:99-105. 2020 Apr 15. Epub 2020 Jan 28. doi: 10.1016/j.ijcard.2020.01.069. PMC8019069.
281. Almuwaqqat Z, O'Neal WT, Hammadah M, Lima BB, **Bremner JD**, Soliman EZ, Shah AJ, Quyyumi AA, Vaccarino V. Abnormal P-wave axis and myocardial ischemia development

- during mental stress. *J Electrocardiol.* 2020; 60:3-7. May-Jun 2020. Epub 2020 Mar 3. doi: 10.1016/j.jelectrocard.2020.02.019. PMC7311287.
282. **Bremner JD**, Wittbrodt MT, Shah AJ, Pearce BD, Gurel NZ, Inan OT, Raggi P, Lewis TT, Quyyumi AA, Vaccarino V. Confederates in the attic: Posttraumatic stress disorder, cardiovascular disease, and the return of Soldier's Heart. *J Nerv Ment Dis.* 2020; 208(3):171-180. Mar 2020. doi: 10.1097/NMD.0000000000001100. PMC8214871.
283. Wittbrodt MT, Vaccarino V, Shah AJ, Mayer EA, **Bremner JD**: Psychometric properties of the Adulthood Trauma Inventory. *Health Psychol.* 2020; 39(8):679-688. Aug 2020. Epub 2020 Apr 16; doi: 10.1037/hea0000856. PMC8240837.
284. Gurel NZ, Huang M, Wittbrodt MT, Jung H, Ladd SL, Shandhi MH, Ko Y-A, Shallenberger L, Nye JA, Pearce B, Vaccarino V, Shah AJ, **Bremner JD**, Inan OT: Quantifying acute physiological biomarkers of transcutaneous vagal nerve stimulation in the context of psychological stress. *Brain Stimul.* 2020; 13(1): 47-59. Jan-Feb 2020. Epub 2019 Aug 6. doi: 10.1016/j.brs.2019.08.002. PMC8252146
285. Bromfield SG, Sullivan S, Saelee R, Elon L, Lima B, Young A, Uphoff I, Li L, Quyyumi A, **Bremner JD**, Vaccarino V, Lewis TT: Race and gender differences in the association between experiences of everyday discrimination and arterial stiffness among patients with coronary heart disease. *Ann Behav Med.* 2020; 54(10):761-770. Oct 2020. Epub 2020 Mar 30. doi: 10.1093/abm/kaa015. PMC7516092.
286. Moazzami K, Wittbrodt MT, Lima BB, Nye JA, Mehta PK, Pearce BD, Almuwaqqat Z, Hammadah M, Levantsevych O, Sun YV, Raggi P, Garcia EV, Goetz M, Quyyumi AA, **Bremner JD**, Vaccarino V, Shah AJ. Higher activation of the rostromedial prefrontal cortex during mental stress predicts major cardiovascular disease events in individuals with coronary artery disease. *Circ J.* 2020; 142(5):455-465. 4 Aug 2020. Epub 2020 Jun 11. doi: 10.1161/CIRCULATIONAHA.119.044442. PMC7677173.
287. **Bremner JD**, Wittbrodt MT. Stress, the brain, and trauma spectrum disorders. *Int Rev Neurobiol.* 2020; 152:1-22. Epub 2020 Feb 19. doi: 10.1016/bs.irn.2020.01.004. PMC8214870.
288. Gurel NZ, Wittbrodt WT, Jung H, Ladd, SL, Shah AJ, Vaccarino V, **Bremner JD**, Inan OT: Automatic detection of target engagement in transcutaneous cervical Vagal Nerve Stimulation for traumatic stress triggers. *IEEE J Biomed Health Inform.* 2020; 24(7):1917-1925. Jul 2020. Epub 2020 Mar 16. doi:10.1109/JBHI.2020.2981116. PMC7393996.
289. Wittbrodt MT, Gurel NZ, Nye JA, Ladd S, Shandhi MMH, Huang M, Shah AJ, Pearce BD, Alam ZS, Rapaport MH, Murrah N, Ko Y-A, Haffer AA, Shallenberger LH, Vaccarino V, Inan OT, **Bremner JD**: Non-invasive vagal nerve stimulation decreases brain activity during trauma scripts. *Brain Stimul* 2020; 13(5):1333-1348. Sep-Oct 2020. Epub 2020 Jul 10. 2020 Sep-Oct. doi: 10.1016/j.brs.2020.07.002. PMC8214872.
290. Gazi AH, Gurel NZ, Richardson KLS, Wittbrodt MT, Shah AJ, Vaccarino V, **Bremner JD**, Inan OT: Digital cardiovascular biomarker responses to transcutaneous cervical vagus nerve stimulation: State-space modeling, prediction, and simulation. *JMIR mHealth and uHealth.* 2020; 8(9):e20488. 2020 Sep. Epub 22 JSep 2020. doi: 10.2196/20488. PMC7539162.

291. Moazzami K, Wittbrodt MT, Alkhalaf M, Lima BB, Nye JA, Mehta PK, Quyyumi AA, Vaccarino V, **Bremner JD**, Shah AJ. Association between mental stress-induced inferior frontal cortex activation and angina in coronary artery disease. *Circ Cardiovasc Imaging*. 2020; 13(8):e010710. 2020 Aug. Epub 2020 Aug 10. doi: 10.1161/CIRCIMAGING.120.010710. PMC7422935
292. **Bremner JD**, Moazzami K, Wittbrodt MT, Nye JA, Lima BB, Gillespie CF, Rapaport MH, Pearce BD, Shah AJ, Vaccarino V: Diet, stress and mental health. *Nutrients*. 2020; 12(8):2428. 2020 Aug. Epub 13 Aug 2020. doi: 10.3390/nu12082428. PMC7468813.
293. **Bremner JD**, Gurel NZ, Wittbrodt MT, Shandhi MH, Rapaport MH, Nye JA, Pearce BD, Vaccarino V, Shah AJ, Park J, Bikson M, Inan OT. Application of non-invasive vagal nerve stimulation to stress-related psychiatric disorders. *J Pers Med*. 2020; 10(119):1-25. Epub 2020 Sep 9. doi: 10.3390/jpm10030119. PMC7563188.
294. Moazzami K, Young A, Sullivan S, Kim JH, Garcia M, Johnson DA, Lewis TT, Shah AJ, **Bremner JD**, Quyyumi AA, Vaccarino V. Racial disparities in sleep disturbances among patients with and without coronary artery disease: The role of clinical and socioeconomic factors. *Sleep Health*. 2020; 6(5):570-577. Epub 2020 Aug 17. October 2020. doi: 10.1016/j.sleh.2020.07.004. PMC7704917.
295. **Bremner JD**, Gurel NZ, Jiao Y, Wittbrodt MT, Levantsevych OM, Huang M, Jung H, Shandhi MH, Beckwith J, Herring I, Rapaport MH, Murrah M, Driggers E, Ko Y-K, Alkhalaf ML, Soudan M, Song J, Ku BS, Shallenberger L, Hankus AN, Nye JA, Park J, Vaccarino V, Shah AJ, Inan OT and Pearce BD. Transcutaneous vagal nerve stimulation blocks stress-induced activation of interleukin-6 and interferon- γ in posttraumatic stress disorder: A double-blind, randomized, sham-controlled trial. *Brain Behav Immun Health* 2020; 9:100138. 2020 Dec. Epub 11 Sep 2020. doi: 10.1016/j.bbih.2020.100138. PMC8474180
296. Lima BB, Hammadah M, Kim JH, Uphoff I, Shah A, Levantsevych O, Almuwaqqat Z, Moazzami K, Sullivan S, Ward L, Sun Y, Kutner M, Ko YA, Sheps DS, Beshiri A, Murtagh G, **Bremner JD**, Vaccarino V, Quyyumi AA. Relation of high-sensitivity cardiac troponin I elevation with exercise to major adverse cardiovascular events in patients with coronary artery disease. *Am J Cardiol*. 2020; 136:1-8. Epub 2020 Sep 15. 1 Dec 2020. doi: 10.1016/j.amjcard.2020.09.019. PMID: 32941818. PMC8057114
297. Sullivan S, Young A, Hammadah M, Lima BB, Levantsevych O, Ko Y-A, Pearce BD, Shah AJ, Kim JH, Moazzami K, Driggers EG, Haffar A, Ward L, Herring I, Hankus A, Lewis TT, Mehta PK, **Bremner JD**, Raggi P, Quyyumi AA, Vaccarino V. Sex differences in the inflammatory response to stress and risk of adverse cardiovascular outcomes among patients with coronary heart disease. *Brain, Behav Immun*. 2020; 90:294-302. Epub 8 Sep 2020. November 2020. doi: 10.1016/j.bbi.2020.09.001. PMC7872132.
298. Gurel NZ, Jiao Y, Wittbrodt MT, Ko Y-A, Hankus A, Driggers EG, Shallenberger L, Murrah N, Huang M, Haffar A, Alkhalaf M, Levantsevych O, Nye JA, Vaccarino V, Shah AJ, **Bremner JD**, Inan OT, Pearce BD: Effect of transcutaneous vagus nerve stimulation on the Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) response to stress: A randomized, sham controlled, double blind pilot study. *Comp Psychoneuroendocrinol*. 2020; 4:100012. Epub 27 Oct 2020. doi: 10.1016/j.cpnec.2020.100012. PMC9216713

299. Gurel NZ, Wittbrodt MT, Jung H, Shandhi MH, Driggers EG, Ladd SL, Huang M, Ko Y-A, Shallenberger L, Beckwith J, Nye JA, Pearce BD, Vaccarino V, Shah AJ, Inan OT, **Bremner JD**, Inan OT: Transcutaneous vagal nerve stimulation reduces sympathetic responses to stress in posttraumatic stress disorder: A double-blind, randomized, sham controlled trial. *Neurobiol Stress*. 2020; 13:e100264. 2020 Nov. Epub 2020 Oct 20. doi: 10.1016/j.ynstr.2020.100264. PMC7739181.
300. **Bremner JD**, Hoffman M, Afzal N, Cheema FA, Novik O, Ashraf A, Brummer M, Nazeer A, Goldberg J, Vaccarino V: The environment contributes more than genetics to smaller hippocampal volume in posttraumatic stress disorder (PTSD). *J Psychiatr Res* 2021; 137:579-588. May 2021. Epub 31 Oct 2020. doi: 10.1016/j.jpsychires.2020.10.042. PMC33168198.
301. Almuwaqqat Z, Wittbrodt M, Young A, Lima BB, Hammadah M, Garcia M, Elon L, Pearce B, Hu Y, Sullivan S, Mehta PK, Driggers E, Kim YJ, Lewis TT, Suglia SF, Shah AJ, **Bremner JD**, Quyyumi AA, Vaccarino V. Association of early-life trauma and risk of adverse cardiovascular outcomes in young and middle-aged individuals with a history of myocardial infarction. *JAMA Cardiol*. 2021; 6(3):336-340. 2021 March. Epub 2020 Nov 13. doi: 10.1001/jamacardio.2020.5749. PMC7666433.
302. Moazzami K, Sullivan S, Lima BB, Kim JH, Hammadah M, Almuwaqqat Z, Shah AJ, Hajjar I, Goldstein FC, Levey AI, **Bremner JD**, Quyyumi AA, Vaccarino V: Mental stress-induced myocardial ischemia and cognitive impairment in coronary atherosclerosis. *J Psychosom Res*. 2021; 141:110342. 2021 Feb. Epub 2020 Dec 5. doi: 10.1016/j.jpsychores.2020.110342. PMC7857648.
303. Moazzami K, Garcia M, Young A, Almuwaqqat Z, Lima BB, Martini A, Alkhalaf M, Shah AJ, Goldstein FC, Hajjar I, Levey AI, **Bremner JD**, Quyyumi AA, Vaccarino V: Association between symptoms of psychological distress and cognitive functioning among adults with coronary artery disease. *Stress Health* 2021; 37(3):538-546. 2021 Aug. Epub 26 Dec 2020. doi: 10.1002/smi.3018. PMC8395370.
304. **Bremner JD**, Goldberg J, Vaccarino V: Plasma homocysteine concentrations and depression: A twin study. *J Aff Disor Rep* 2021; 4 :100087. April 2021. Epub 16 Jan 2021. doi: 10.1016/j.jadr.2021.100087. PMC8372975.
305. Vaccarino V, Huang M, Wang Z, Hui Q, Shah AJ, Goldberg J, Smith N, Kaseer B, Murrah N, Levantsevych OM, Shallenberger L, Driggers E, **Bremner JD**, Sun YV. Epigenetic age acceleration and cognitive decline: A twin study. *J Gerontol A Biol Sci Med Sci*. 2021; 76(100):1854-1863. 2021 Sep 13; Epub 2021 Feb 19. doi: 10.1093/gerona/glab047. PMC8436988
306. Moazzami K, Wittbrodt MT, Lima BB, Kim JH, Almuwaqqat Z, Shah AJ, Hajjar I, Goldstein FC, Levey AI, Nye JA, **Bremner JD**, Vaccarino V, Quyyumi AA. Neurobiological pathways linking acute mental stress to impairments in executive function in individuals with coronary artery disease. *J Alzheimers Dis Rep*. 2021;5(1):99-109. 2021 Feb 2. Epub 2021 Jan 16. doi: 10.3233/ADR-200287. PMC7990469.
307. Young A, Garcia M, Sullivan S, Liu C, Moazzami K, Ko Y-A, Shah AJ, Kim JH, Pearce B, Uphoff I, **Bremner JD**, Raggi P, Quyyumi AA, Vaccarino V. Impaired peripheral microvascular function and risk of major adverse cardiovascular events in patients with

- coronary artery disease. *Arterioscler Thromb Vasc Biol.* 2021;41(5):1801-1809. 2021 May 5. Epub 2021 Mar 18. doi: 10.1161/ATVBAHA.121.316083. PMC8062308.
308. Vaccarino V, Shah AJ, Mehta PJ, Pearce B, Raggi P, **Bremner JD**, Quyyumi AA: Brain-heart connections in stress and cardiovascular disease: Implications for the cardiac patient. *Atherosclerosis* 2021; 328: 74-82. Jul 2021. Epub 30 May 2021; doi: 10.1016/j.atherosclerosis.2021.05.020. PMC8254768.
309. McKinnon I, Shah AJ, Lima B, Moazzami K; Young A; Sullivan S; Almuwaqqat Z; Garcia M; Elon L; **Bremner JD**; Raggi P; Quyyumi A; Vaccarino V, Lewis T: Everyday discrimination and mental stress-induced myocardial ischemia. *Psychosom Med* 2021; 83(5):432-439. 1 June 2021 doi: 10.1097/PSY.0000000000000941. PMC8225242.
310. **Bremner JD**, Wittbrodt MT, Gurel NZ, Shandhi MH, Gazi AH, Jiao Y, Levantsevych OM, Huang M, Beckwith J, Herring I, Murrah N, Driggers EG, Ko Y-A, Alkhalaf ML, Soudan M, Shallenberger L, Hankus AN, Nye JA, Park J, Woodbury A, Mehta PK, Rapaport MH, Vaccarino V, Shah AJ, Pearce BD, Inan OT. Transcutaneous cervical vagal nerve stimulation in patients with posttraumatic stress disorder (PTSD): A pilot study of effects on PTSD symptoms and interleukin-6 response to stress. *J Affect Disord Rep.* 2021; 6:100190. Dec 2021. Epub 2021 Jun 10. doi: 10.1016/j.jadr.2021.100190. PMC8580056.
311. Wittbrodt MT, Gurel NZ, Nye JA, Shandhi MH, Gazi AH, Shah AJ, Pearce BD, Murrah N, Ko Y-A, Shallenberger L, Inan OT, **Bremner JD**. Non-invasive cervical vagal nerve stimulation alters brain activity during traumatic stress in individuals with posttraumatic stress disorder. *Psychosom Med* 2021; 83(9):969-977. 2021 Nov-Dec 01. Epub 2021 Jul 21. doi: 10.1097/PSY.0000000000000987. PMC8578349.
312. Vaccarino V, Almuwaqqat Z, Kim JH, Hammadah M, Shah AJ, Ko Y-A, Elon L, Sullivan A, Shah A, Alkholder A, Lima, B, Pearce B, Ward L, Kutner M, Hu Y, Lewis TT, Garcia EV, Nye J, Sheps DS, Raggi P, **Bremner JD**, Quyyumi AA. Association of mental stress-induced myocardial ischemia with cardiovascular events in patients with coronary heart disease. *JAMA.* 2021; 326(18):1818-1828. 2021 Nov 9. doi:10.1001/jama.2021.17649. PMID: 34751708. PMC8579237.
313. Sun YV, Li C, Hui Q, Huang Y, Barbano R, Rodriguez R, Malaty IA, Reich S, Bambarger K, Holmes K, Jankovic J, Patel NJ, Roze E, PhD, Vidailhet M, Berman BD, LeDoux MS, Espay AJ, Agarwal P, Pirio-Richardson S, Frank SA, Ondo WG, Saunders-Pullman R, Chouinard S, Natividad S, Berardelli A, Pantelyat AY, Brashear A, Fox SH, Kasten M, Krämer UM, Neis M, Bäumer T, Loens S, Borsche M, Zittel S, Maurer A, Gelderblom M, Jens Volkmann J, Odorfer T, Kühn AA, Borngräber F, König IR, Cruchaga C, Cotton AC, Kilic-Berkmen G, Freeman A, Factor SA, Scorr L, **Bremner JD**, Vaccarino V, Quyyumi AA, Klein C, Perlmutter JS, Lohmann K, Jinnah HA. A multi-center genome-wide association study of cervical dystonia. *Movement Disorders.* 2021; 36(12):2795-2801. 2021 Dec. Epub 28 July 2021 doi: 10.1002/mds.28732. PMID: 34320236. PMC8688173.
314. Gazi AH, Sundararaj S, Harrison AB, Gurel NZ, Wittbrodt MT, Shah AJ, Vaccarino V, **Bremner JD**, Inan OT. Transcutaneous cervical vagus nerve stimulation lengthens exhalation in the context of traumatic stress. *IEEE EMBS International Conference on Biomedical and Health Informatics (BHI)* 2021; 1-4. doi: 10.1109/BHI50953.2021.9508534.

315. Islam SJ, Kim JH, Joseph E, Topel M, Baltrus P, Liu C, Ko Y-A, Almuwaqqat Z, Mujahid MS, Sims M, Mubasher M, Ejaz K, Searles C, Dunbar SB, Pemu P, Taylor H, **Bremner JD**, Vaccarino V, Quyyumi AA, Lewis TT. Association between early trauma and ideal cardiovascular health among Black Americans: Results from the Morehouse-Emory Cardiovascular (MECA) Center for Health Equity. *Circ Cardiovasc Qual Outcomes* 2021; 14(9):e007904. 2021 Sep. Epub 12 Aug 2021 doi: 10.1161/CIRCOUTCOMES.121.007904. PMC8455434,
316. Kreisberg E, Esmailpour Z, Adair D, Khadka N, Datta A, Badran BW, **Bremner JD**, Bikson M. High-resolution computational modelling of the current flow in the outer ear during transcutaneous auricular Vagus Nerve Stimulation (taVNS). *Brain Stimul.* 2021; 14(6):1419-1430. 2021 Nov-Dec. Epub September 10, 2021. doi:10.1016/j.brs.2021.09.001. PMC8608747.
317. Garcia M, Almuwaqqat Z, Moazzami K, Young A, Lima BB, Sullivan S, Kaseer B, Lewis TT, Hammadah M, Levantsevych O, Elon L, **Bremner JD**, Raggi P, Shah AJ, Quyyumi AA, Vaccarino V. Racial disparities in adverse cardiovascular outcomes after a myocardial infarction in young or middle-aged patients. *J Am Heart Assoc.* 2021; 10(7):e020828. 2021 Sep 7. Epub 2021 Aug 25. doi: 10.1161/JAHA.121.020828. PMC8649258
318. Almuwaqqat Z, Hwan Kim J, Garcia M, Ko YA, Moazzami K, Lima B, Sullivan S, Alkhalaf J, Mehta A, Shah AJ, Hussain MS, Pearce BD, **Bremner JD**, Waller EK, Vaccarino V, Quyyumi AA. Associations between inflammation, cardiovascular regenerative capacity, and cardiovascular events: A cohort study. *Arterioscler Thromb Vasc Biol* 2021; 41(11):2814-2822. 2021 Nov; Epub 2021 Sep 23. doi:10.1161/ATVBAHA.121.316574. PMC8675629.
319. **Bremner JD**. Isotretinoin and neuropsychiatric side effects: Continued vigilance is needed. *J Affect Dis Rep.* 2021; 6: 100230. 2021 Dec. Epub 10 Sep 2021. doi:10.1016/j.jadr.2021.100230.
320. Gazi AH, Sundararaj S, Harrison AB, Gurel NZ, Wittbrodt MT, Alkhalaf M, Soudan M, Levantsevych O, Haffar A, Shah AJ, Vaccarino V, **Bremner JD**, Inan OT. Transcutaneous cervical vagus nerve stimulation inhibits the reciprocal of the pulse transit time's responses to traumatic stress in posttraumatic stress disorder. *Annu Int Conf IEEE Eng Med Biol Soc.* 2021:1444-1447. Nov 2021. doi: 10.1109/EMBC46164.2021.9630415. PMID: 34891557
321. Vaccarino V, Shah AJ, Moncayo V, Nye J, Piccinelli V, Ko Y-A, Ma X, Murrah N, Shallenberger L, Driggers E, Levantsevych OM, Hammadah M, Lima BB, Young A, O'Neil W, Alkhalaf M, Haffar A, Raggi P, Goldberg J, Garcia EV, Quyyumi AA and **Bremner JD**. Posttraumatic stress disorder, myocardial perfusion and coronary blood flow: A longitudinal twin study. *Biol Psychiatry.* 2022; 91(7):615-625. 2022 Apr. Epub 2021 Sep 27. doi: 10.1016/j.biopsych.2021.09.016. PMC8918004.
322. Gazi AH, Wittbrodt MT, Harrison AB, Sundararaj S, Gurel NZ, Nye JA, Shah AJ, Vaccarino V, **Bremner JD**, Inan OT. Robust estimation of respiratory variability uncovers correlates of limbic brain activity and transcutaneous cervical vagus nerve stimulation in the context of traumatic stress. *IEEE Trans Biomed Eng* 2022; 69(2):849-859. 2022 Feb. Epub 2021 Aug 27; doi: 10.1109/TBME.2021.3108135. PMC8853700.

323. Kim YJ, Levantsevych OM, Elon L, Lewis TT, Suglia SF, **Bremner JD**, Quyyumi AA, Pearce B, Raggi P, Vaccarino V, Shah AJ. Early life stress and autonomic response to acute mental stress in individuals with coronary heart disease. *J Trauma Stress* 2022; 35(2):521-532. 2022 Apr. Epub 15 Jan 2022. doi:10.1002/jts.22766. PMC9109683.
324. Shah AJ, Wittbrodt MT, **Bremner JD**, Vaccarino V. Cardiovascular pathophysiology from the cardioneural perspective and its clinical applications. *Trends Cardiovasc Med*. 2022; 32(3):172-177. 2022 Apr. Epub 2021 Mar 9. doi: 10.1016/j.tcm.2021.03.001. PMC8426431
325. Almuwaqqat Z, Wittbrodt MT, Moazzami K, Nye JA, Lima BB, Shah AJ, Alkhalaf J, Pearce B, Sun YV, Quyyumi AA, Vaccarino V, **Bremner JD**. Neural correlates of stress and leucocyte telomere length in patients with coronary artery disease. *J Psychosom Res*. 2022;155:110760. 2022 Apr. Epub 2022 Feb 11. doi: 10.1016/j.jpsychores.2022.110760. PMID: 35217318. PMC8940678.
326. Wang Z, Hui Q, Goldberg J, Smith N, Kaseer B, Murrah N, Levantsevych OM, Shallenberger L, Diggers E, **Bremner JD**, Vaccarino V, Sun YV. (2021). Association between posttraumatic stress disorder and epigenetic age acceleration in a sample of twins. *Psychosom Med* 2022; 84(2):151-158. 2022 Feb-Mar. Epub 2021 Oct 9. doi:10.1097/PSY.0000000000001028. PMC8831461
327. Huang M, Bliwise DL, Hall MH, Johnson DA, Sloan RP, Shah A, Goldberg J, Ko YA, Murrah N, Levantsevych OM, Shallenberger L, Abdulbagki R, **Bremner JD**, Vaccarino V: Association of depressive symptoms with sleep disturbance: A co-twin control study. *Ann Behav Med*. 2022; 56(3):245-256. 2022 Mar 1. Epub 2021 May 15. doi:10.1093/abm/kaab040. PMC8887572.
328. Shah AJ, Weeks V, Lampert R, Bremner JD, Kutner M, Raggi P, Sun YV, Lewis TT, Levantsevych O, Kim YJ, Hammadah M, Alkholder A, Wittbrodt M, Pearce BD, Ward L, Sheps D, Quyyumi AA, Vaccarino V. Early life trauma is associated with increased microvolt T-wave alternans during mental stress challenge: A substudy of mental stress ischemia: Prognosis and genetic influences. *JAHA*. 2022; 11(5):e021582. 2022 Mar. Epub 2022 Feb 5. doi:10.1161/JAHA.121.021582. PMC9075061.
329. Liu C, Wang Z, Hui Q, Goldberg J, Smith NL, Shah AJ, Murrah N, Shallenberger L, Diggers E, **Bremner JD**, Sun YV, Vaccarino V: Association between depression and epigenetic age acceleration: A co-twin control study. *Depress Anxiety*. 2022; 39(12):741-750. 2022 Dec. Epub 2022 Jun 27. doi: 10.1002/da.23279. PMID: 35758529. PMC9729366
330. Sullivan S, Young A, Garcia M, Almuwaqqat Z, Moazzami K, Hammadah M, Lima BB, Driggers EG, Levantsevych O, Alkhalaf M, Jajeh MN, Alkholder A, Elon L, Gooding H, Lewis TT, Shah AJ, **Bremner JD**, Quyyumi AA, Vaccarino V: Gender disparities between neighborhood social vulnerability and psychological distress among patients with heart disease. *J Womens Health* 2022; 31(10):1440-1449. 2022 Oct. Epub 2022 Aug 12. doi: 10.1089/jwh.2021.0505. PMID: 35960809. PMC9618377
331. Suglia SF, Hardy ST, Cammack AL, Kim YJ, Pearce BD, Shah AJ, Sullivan S, Wittbrodt M, **Bremner JD**, Vaccarino V. Child maltreatment and inflammatory response to mental stress among adults who have survived a myocardial infarction. *Psychosom Med*. 2022; 84(9):1013-1020. 2022 Nov-Dec. Epub 2022 Aug 2. doi: 10.1097/PSY.0000000000001114. PMID: 35980788. PMC9643601

332. Perez Alday EA, Da Poian G, Levantsevych O, Murrah N, Shallenberger L, Alkhalaf M, Haffar A, Kaseer B, Ko YA, Goldberg J, Smith N, Lampert R, **Bremner JD**, Clifford GD, Vaccarino V, Shah AJ: Association of autonomic activation with traumatic reminder challenges in posttraumatic stress disorder: A co-twin control study. *Psychophysiology*. 2022; 60(2): e14167. 2022 Aug 12:doi: 10.1111/psyp.14167. PMID: 35960809
333. Gazi AH, Harrison AB, Lambert TP, Obideen M, Alavi P, Murrah N, Shallenberger L, Driggers EG, Ortega RA, Washington B, Walton KM, Welsh JW, Vaccarino V, Shah AJ, Tang Y-L, Gupta R, Back SE, Inan OT, **Bremner JD**: Transcutaneous cervical vagus nerve stimulation reduces behavioral and physiological manifestations of withdrawal in patients with opioid use disorder: A double-blind, randomized, sham-controlled trial. *Brain Stimul*. 2022; 15(5): 1206-1214. 2022 Sep-Oct. doi: 10.1016/j.brs.2022.08.2017. PMC9588751.
334. Shapira I, Richman J, Pace TWW, Lim KO, Polusny MA, Hamner MB, **Bremner JD**, Mumba MN, Jacobs ML, Pilkinton P, Davis LL: Biomarker response to mindfulness intervention in veterans diagnosed with post-traumatic stress disorder. *Mindfulness*. 2022; 13(10):2448-2460. doi: 10.1007/s12671-022-01969-6. PMC10022677.
335. Vaccarino V, Shah AJ, Moncayo V, Nye JA, Piccinelli M, Ko YA, Ma X, Murrah N, Shallenberger L, Driggers E, Jajeh N, Haffar A, Al-Abboud O, Raggi P, Hall MH, Sloan RP, Goldberg J, Smith NL, Garcia EV, Quyyumi AA, **Bremner JD**, Bliwise DL: Obstructive sleep apnea, myocardial perfusion and myocardial blood flow: A study of older male twins. *PLoS One*. 2022; 17(11):e0278420. Epub 2022 Nov 30. doi: 10.1371/journal.pone.0278420. eCollection 2022. PMID: 36449510. PMC9710778.
336. Gazi AH, Harrison AB, Lambert TP, Nawar A, Obideen M, Driggers EG, Vaccarino V, Shah AJ, Rozell CJ, Bikson M, Welsh JW, Inan OT, **Bremner JD**: Pain is reduced by transcutaneous cervical vagus nerve stimulation and correlated with cardiorespiratory variability measures in the context of opioid withdrawal. *Front Pain Res*. 2022. 2022; 3:1031368. Epub 2022 Nov 9. doi: 10.3389/fpain.2022.1031368. PMID: 36438447; PMC9682166.
337. Lambert TP, Gazi AH, Harrison AB, Gharehbaghi S, Chan M, Obideen M, Alavi P, Murrah N, Shallenberger L, Driggers EG, Alvarado Ortega R, Washington B, Walton KM, Tang Y-L, Gupta R, Nye JA, Welsh JW, Vaccarino V, Shah AJ, **Bremner JD**, Inan OT: Leveraging accelerometry as a prognostic indicator for increase in opioid withdrawal symptoms. *Biosensors*. 2022; 12(11):924. Epub 2022 Oct 26. doi: 10.3390/bios12110924. PMID: 36354433. PMC9688173
338. Mehta PK, Sharma A, **Bremner JD**, Vaccarino V: Mental stress-induced myocardial ischemia. *Curr Cardiol Rep*. 2022; 24(12):2109-2120. Epub 2022 Nov 2: doi: 10.1007/s11886-022-01821-2. PMID: 36322365. PMC9628301.
339. Moazzami K, Mehta A, Young A, Dhindsa DS, MG, Mokhtari A, Ghaini Hesaroieh I, Shah A, **Bremner JD**, Vaccarino V, Waller EK, Quyyumi AA: The association between baseline circulating progenitor cells and vascular function: The role of aging and risk factors. *Vasc Med*. 2022; 27(6):532-541. 1358863X221116411. Epub 2022 Sep 5. doi: 10.1177/1358863X221116411. PMID: 36062298.
340. Gazi AH, Harrison AB, Lambert TP, Obideen M, Welsh JW, Vaccarino V, Shah AJ, Back SE, Rozell CJ, **Bremner JD**, Inan OT: Transcutaneous cervical vagus nerve stimulation

reduces respiratory variability in the context of opioid withdrawal. *2022 IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI) (2022)*:1-4. 4 Nov 2022. doi: 10.1109/BHI56158.2022.9926787.

341. Sheikh SA, Perez Alday EA, Rad AB, Levantsevych O, Alkhalaf M, Soudan M, Abdulbaki R, Haffar A, Smith NL, Goldberg J, **Bremner JD**, Vaccarino V, Inan OT, Clifford GD, Shah AJ. Association between PTSD and Impedance Cardiogram-based contractility metrics during trauma recall: A controlled twin study. *Psychophysiology*. 2023; 60(3): e14197. Epub 2022 Oct 26. doi: 10.1111/psyp.14197. PMC9976595.
342. Sullivan S, Young A, Garcia M, Almuwaqqat Z, Moazzami K, Hammadah M, Lima BB, Hu Y, Jajeh MN, Alkholder A, Elon L, Lewis TT, Shah AJ, Mehta PK, **Bremner JD**, Quyyumi AA, Vaccarino V: Sex differences in vascular response to mental stress and adverse cardiovascular events among patients with ischemic heart disease. *Arterioscler Thromb Vasc Biol*. 2023; 43(3):e112-120. Epub 2023 Mar 1. doi: 10.1161/ATVBAHA.122.318576.
343. **Bremner J.D.**, Piccinelli M, Garcia EV, Moncayo VM, Elon L, Nye JA, Cooke CD, Washington BP, Alvarado Ortega R, Desai SR, Okoh AK, Cheung B, Soyebbo BO, Shallenberger LH, Raggi P, Shah AJ, Daaboul O, Jajeh MN, Ziegler C, Driggers EG, Murrah N, De Cecco CN, van Assen M, Krafty RT, Quyyumi AA, Vaccarino V: A pilot study of neurobiological mechanisms of stress and cardiovascular risk. *Med Res Arch* 2023; 11(4):3787. Apr 2023, Epub 25 Apr 2023. doi: 10.18103/mra.v11i4.3787. PMC10361343.
344. Okoh AK, Young A, Garcia M, Sullivan S, Almuwaqqat Z, Hu Y, Liu C, Moazzami K, Uphoff I, Lima BB, Ko YA, Elon L, Jajeh N, Rout P, Gupta S, Shah AJ, **Bremner JD**, Lewis T, Quyyumi A, Vaccarino V: Racial differences in mental stress-induced transient endothelial dysfunction and its association with cardiovascular outcomes. *Psychosom Med*. 2023 Apr 6. doi: 10.1097/PSY.0000000000001201. PMID: 37053106.
345. Almuwaqqat Z, Garcia EV, Cooke CD, Garcia M, Shah AJ, Elon L, Ko YA, Sullivan S, Nye J, Van Assen M, De Cecco C, Raggi P, **Bremner JD**, Quyyumi AA, Vaccarino V: Quantitation of diffuse myocardial ischemia with mental stress and its association with cardiovascular events in individuals with recent myocardial infarction. *J Nucl Cardiol*. 2023 Mar 29. doi: 10.1007/s12350-023-03212-8. PMID: 36991249

Comments and Letters

346. **Bremner JD**, Narayan M, Charney DS: Hippocampus and amygdala pathology in depression. *Am J Psychiatry* (letter) 2001; 158:653-653.
347. **Bremner JD**: Neurochemical aspects of susceptibility to depression: A reply (letter). *JAMA* 2003; 290 (10): 1316-1316.
348. Vermetten E, **Bremner JD**, Skelton L, Spiegel D: PTSD and Vietnam veterans (letter). *Science*. 2007; 315(5809):184.
349. **Bremner JD**, Vaccarino V: Behavior therapy, sertraline, or both in childhood anxiety: Comment. *NEJM*. 2009; 360(23): 2476.
350. Vaccarino V, **Bremner JD**, Raggi P: Response by Vaccarino et al to letter regarding article, "Mental Stress-Induced myocardial ischemia in young patients with recent myocardial

infarction: Sex differences and mechanisms.” *Circulation* 2018; 138(5):548-549. 30 Jul 2018. 10.1161/CIRCULATIONAHA.118.035546

351. Vaccarino V, **Bremner JD**, Quyyumi AA: Mental stress-induced myocardial ischemia and cardiovascular events in patients with coronary heart disease-reply. *JAMA* 2022 Mar 15;327(11):1091-1092. doi: 10.1001/jama.2022.1098.

Book Chapters

352. **Bremner JD**, Davis M, Southwick SM, Krystal JH, Charney DS: The neurobiology of posttraumatic stress disorder. In: *Reviews of Psychiatry. Vol. 12*. J.M. Oldham, M.G. Riba, & A. Tasman (eds.) American Psychiatric Press; Washington, D.C., 1993:182-204.
353. **Bremner JD**, Charney DS: Anxiety Disorders. In: *Conn's Current Therapies*, Rakel RE (ed.), W.B. Saunders Press, Philadelphia, 1994:1103-1107.
354. **Bremner JD**, Southwick SM, Charney DS: Etiologic factors in the development of posttraumatic stress disorder. In: *Does Stress Cause Psychiatric Disease?* Mazure CM, ed. American Psychiatric Press, Washington, D.C., 1994:149-186.
355. **Bremner JD**, Davis M, Southwick SM, Krystal JH, Charney DS: The neurobiology of posttraumatic stress disorder. In: *Posttraumatic Stress Disorder: A Clinical Review*. R.S. Pynoos (Ed.) Sidran Press, Lutherville, MD 1994:43-64.
356. Charney DS, **Bremner JD**, Redmond DE: Noradrenergic neural substrates for anxiety and fear: Clinical associations based on preclinical research. In: *Psychopharmacology: the Fourth Generation of Progress*. FE Bloom and DJ Kupfer (Eds.). Raven Press; New York. 1995:387-395.
357. Krystal JH, Bennett A, **Bremner JD**, Southwick SM, Charney DS: Toward a cognitive neuroscience of dissociation and altered memory functions in posttraumatic stress disorder. In: *Neurobiological and Clinical Consequences of Stress: From Normal Adaptation to PTSD*. Friedman MJ, Charney DS, Deutch AY (eds.). Raven Press, New York, 1995; pp 239-269.
358. Mason J, Wang S, Yehuda R, **Bremner JD**, Riney S, Lubin H, Johnson D, Southwick S, Charney DS: Some approaches to the study of the clinical implications of thyroid alterations in posttraumatic stress disorder. In: *Neurobiological and Clinical Consequences of Stress: From Normal Adaptation to PTSD*. Friedman MJ, Charney DS, Deutch AY (eds.). Raven Press, New York, 1995; pp 367-380.
359. Kaloupek D, **Bremner JD**: Psychophysiology research methods in posttraumatic stress disorder. In: *Trauma Research Methodology*. Carlson E (ed.), Sidran Press, Lutherville MD, 1996, pp. 82-104.
360. Krystal JH, Bennett A, **Bremner JD**, Southwick SM, Charney DS: Recent Developments in the Neurobiology of Dissociation: Implications for Posttraumatic Stress Disorder. In: *Handbook of Dissociation: Theoretical, Empirical, and Clinical Perspectives*. Michelson LK & Ray WJ (eds). Plenum Press, New York, 1996; 163-190.
361. Charney DS, Nagy LM, **Bremner JD**, Goddard AW, Yehuda R, Southwick SM: Neurobiological mechanisms of human anxiety. In, *Neuropsychiatry*. Fogel BS, Schiffler RB, Rao SM (Eds.). Williams & Wilkins, Baltimore, MD. 1996; pp. 257-278.

362. **Bremner JD**, Southwick SM, Charney DS: Neuroanatomical correlates of the effects of stress on memory: Relevance to the validity of memories of childhood abuse. In: *Trauma and Memory: Clinical and Legal Controversies*. Appelbaum PS, Uyehara LA, Elin MR (eds.), Oxford University Press, New York, 1997; pp. 61-92.
363. Vermetten E, **Bremner JD**, Spiegel D: Dissociation and Hypnotic Susceptibility: Similarities and Differences. In: *Trauma, Memory and Dissociation*. Bremner JD, Marmar C (eds.). APA Press, Washington DC, 1998:107-160.
364. **Bremner JD**, Vermetten E, Southwick SM, Krystal JH, Charney DS: Trauma, Memory, and Dissociation: An Integrative Formulation. In: *Trauma, Memory and Dissociation*. **Bremner JD**, Marmar C (eds.). APA Press, Washington DC, 1998:365-402.
365. Krystal JH, **Bremner JD**, Southwick SM, Charney DS: The Emerging Neurobiology of Dissociation: Implications for the Treatment of PTSD. In: *Trauma, Memory and Dissociation*. **Bremner JD**, Marmar C (eds.). APA Press, Washington DC, 1998:321-364.
366. **Bremner JD**: Traumatic memories lost and found: Can lost memories of abuse be found in the brain? In Williams LM & Banyard VL (Eds.) *Trauma and Memory* Sage Publications, New Delhi. 1998; pp.217-228.
367. Saigh PA, **Bremner JD**: The history of posttraumatic stress disorder. In: Saigh PA, **Bremner JD** (Eds.): *Posttraumatic Stress Disorder: A Comprehensive Text*. Allyn & Bacon, Needham Heights, MA, 1999, pp. 1-17.
368. **Bremner JD**, Southwick SM, Charney DS: The neurobiology of posttraumatic stress disorder: An integration of animal and human research. In: Saigh PA, **Bremner JD** (Eds.): *Posttraumatic Stress Disorder: A Comprehensive Text*. Allyn & Bacon, Needham Heights, MA, 1999, pp. 103-143.
369. **Bremner JD**, Southwick SM, Krystal JH, Charney DS: Posttraumatic stress disorder: Psychobiology. In: Adelman G, Smith BH (Eds.): *Encyclopedia of Neuroscience*. Elsevier, Amsterdam, 1999, pp. 1673-1676.
370. Charney DS, **Bremner JD**: The neurobiology of anxiety disorders. In: Charney DS, Nestler EJ, Bunney SS (Eds.). *Neurobiology of Mental Illness*. Oxford Press, 1999: pp. 494-517.
371. **Bremner JD**: Neuropsychological and neurobiological mechanisms underlying dissociation and PTSD in the aftermath of trauma. In: Sanchez-Planell L, Diez-Quevedo C (eds.): *Dissociative States*. Springer-Verlag Ibérica, Barcelona, Spain, 2000, pp. 86-105.
372. **Bremner JD**: Changes in brain function in PTSD (Japanese). In: Kojima M (Ed.) *Encyclopedia of Clinical Psychiatry, Vol. 6, Posttraumatic Stress Disorder*. Nakayama-Shoten Co., Ltd., Tokyo, Japan, 2000; pp 61-74.
373. Krystal JH, **Bremner JD**, D'Souza DC, Anand A, Southwick SM, Charney DS: The emerging neurobiology of dissociative states: Relevance to PTSD. In: Shalev AY, Yehuda Y, McFarlane AC (Eds.) *International handbook of human response to trauma. The Plenum Series on stress and coping*. Kluwer Academic/Plenum Publishers, New York NY; 2000: pp 307-320.

374. Vermetten E, **Bremner JD**: Dissociative amnesia: re-remembering traumatic memories. In: Berrios GE, Hodges JR (Eds.), *Memory Disorders in Psychiatric Practice*. New York; Cambridge University Press, 2000. pp 400-431.
375. Charney DS, Nagy LM, **Bremner JD**, Goddard AW, Yehuda R, Southwick SM: Neurobiological mechanisms of human anxiety. In, *Synopsis of Neuropsychiatry*. Fogel BS, Schiffler RB, Rao SM (Eds.). Philadelphia, PA; Lippincott Williams & Wilkins, Baltimore, MD. 2000; pp. 273-288.
376. **Bremner JD**: A biological model for delayed recall of childhood abuse. In, Freyd JJ, DePrince AP (Eds), *Trauma and Cognitive Science: A Meeting of Minds, Science, and Human Experience*. The Haworth Maltreatment & Trauma Press, Binghamton, NY, 2001, pp 165-184.
377. Vermetten E, Charney DS, **Bremner JD**: Posttraumatic Stress Disorder. In: Helmchen H, Henn FA, Lauter H, Sartorius N (Eds.). *Current Concepts in Psychiatry, Vol. 3*. 2001 Berlin-Heidelberg, Springer Verlag, pp 37-77.
378. Vermetten E, Charney DS, **Bremner JD**: Anxiety. In: Ramachandran VS (Ed.), *Encyclopedia of the Human Brain*. Academic Press, San Diego, 2002.
379. **Bremner JD**, Charney DS: Neural circuits in fear and anxiety. In: Stein DJ, Hollander E CB (Eds.) *Textbook of Anxiety Disorders*. American Psychiatric Publishing; Washington, D.C., 2002; pp. 43-56.
380. **Bremner JD**: Computed Axial Tomography (CAT) Scan. In: Craighead WE, Nemeroff CB (Eds.) *The Concise Corsini Encyclopedia of Psychology and Behavioral Neuroscience*. John Wiley & Sons; New York 2004; pp. 204-205.
381. **Bremner JD**: In: Fishbein, DH (Ed.). *The Science, Treatment and Prevention of Antisocial Behaviors: Evidence-Based Practice: Volume II*. Civic Research Inst., Kingston NJ, 2004; 9-1 to 9-17.
382. Charney DS, **Bremner JD**. The neurobiology of anxiety disorders. In: Charney DS, Nestler EJ (Eds.). *Neurobiology of Mental Illness, 2nd Edition*. Oxford Press, 2004: pp. 605-627.
383. **Bremner JD**, Charney DS: Posttraumatic Stress Disorder. In: Adelman, G, and Smith, B.H. (Eds). *Encyclopedia of Neuroscience*. (cdrom) Posttraumatic Stress Disorder: Neurobiology. Elsevier; Amsterdam. 2004.
384. **Bremner JD**: The neurobiology of childhood sexual abuse in women with posttraumatic stress disorder. In: Kendall-Tackett KA (Ed.). *Handbook of Women, Stress and Trauma*. Brunner-Routledge, New York. 2005: pp 181-206.
385. Kitayama N, **Bremner JD**: Stress in dementia and depression. In: Sun M-K (Ed.). *Cognition and Mood Interactions*. Nova Science Publishers, Inc., Hauppauge, NY. 2005: pp 149-160.
386. **Bremner JD**: Effects of Traumatic Stress on Brain Structure and Function: Relevance to Early Responses to Trauma. In: Cardena E, Croyle K (Ed). (2005). *Acute Reactions to Trauma and Psychotherapy: A Multidisciplinary and International Perspective*. New York, NY, US: Haworth Press, 2005, pp. 51-68.

387. Schmahl C, **Bremner JD**. Funktionelle, metabolisch und morphologische Bildgebung bei Patienten mit Borderline-Personlichkeitsstörung. In: Rimmel A, Kernberg OF, Vollmoeller W, Strauss B (Eds.). *Handbuch Körper und Persönlichkeit: Entwicklungspsychologie, Neurobiologie und Therapie von Persönlichkeitsstörungen*. Schattauer, Stuttgart. 2006: pp 154-166.
388. **Bremner JD**: Traumatic stress from multiple-levels-of-analysis perspective. In: Cicchetti D, Cohen DJ (Eds.). *Developmental Psychopathology, Vol. 2: Developmental Neuroscience (2nd Ed.)*. Wiley, Hoboken NJ. 2006; pp 656-676.
389. Heim C, **Bremner JD**, Nemeroff CB: Trauma Spectrum Disorders. In: *Principles of Molecular Medicine*. Runge, MS, Patterson C (Eds.). Humana Press, Totowa NJ, 2006; pp 1203-1210.
390. **Bremner JD**: Posttraumatic Stress Disorder: Neurobiology. In: *Encyclopedia of Stress*. Fink G (Ed.). Academic Press, 2007.
391. **Bremner JD**, Vermetten E: Psychiatric approaches to dissociation: Integrating history, biology, and clinical assessment. In: *Traumatic Dissociation: Neurobiology and Treatment*. Vermetten E, Dorahy M, Spiegel D (Eds.). American Psychiatric Publishing, Inc, Washington DC; 2007, pp 239-258.
392. **Bremner JD** Does Stress Damage the Brain? In: *Understanding Trauma: Integrating Biological, Clinical and Cultural Perspectives*. Kirmayer LJ, Lemelson R, Barad M (Eds.); Cambridge University Press, 2008; pp 118-141.
393. **Bremner JD**: The neurobiology of trauma and memory in children. In: *Stress, trauma, and children's memory development: Neurobiological, cognitive, clinical, and legal perspectives*. Howe ML, Goodman GS, Cicchetti D (Eds.). Oxford University Press, New York NY, 2008, pp 11-49.
394. **Bremner JD**, Elzinga B, Schmahl C, Vermetten E: Structural and functional plasticity of the human brain in posttraumatic stress disorder. In: *Stress Hormones and Post Traumatic Stress Disorder; Volume 167: Basic Studies and Clinical Perspectives (Progress in Brain Research)*. de Kloet ER, Oitzl MS, Vermetten E (Eds.). Elsevier, Amsterdam, The Netherlands, 2008, pp. 171-184.
395. **Bremner JD**: Hippocampus. In: *The Encyclopedia of Psychological Trauma*. Reyes G, Elhai JD, Ford JD (Eds), John Wiley & Sons, Hoboken, NJ, 2008, pp 313-315.
396. Vermetten E, Lanius R, **Bremner JD**: Contributions of traumatic stress studies to the neurobiology of dissociation and dissociative disorders: Implications for schizophrenia. In: *Psychosis, Trauma and Dissociation: Emerging Perspectives on Severe Psychopathology*. Moskowitz A, Schafer I, Dorahy MJ (Eds.), Wiley-Blackwell, Hoboken, NJ, 2008, pp 221-238.
397. Krystal JH, **Bremner JD**, Southwick SM, Charney DS: The emerging neurobiology of dissociative states: Relevance to PTSD. In: *International Handbook of Human Response to Trauma (Plenum Series on Stress and Coping)*. Shalev AY, Yehuda R, McFarlane AC (Eds.) Springer, New York. 2009; p 307-320.

398. Garakani A, Murrough J, Mathew SJ, Charney DS, **Bremner JD**: The neurobiology of anxiety disorders. In *Neurobiology of Mental Illness, 3rd Edition*. Charney DS, Nestler EJ (Eds.) Oxford University Press, Oxford U.K., 2009, p 655-690.
399. Dent MF, **Bremner JD**: Pharmacotherapy for Posttraumatic Stress Disorder and other Trauma-related Disorders. In: *Oxford Handbook of Anxiety and Related Disorders*. Antony MM, Stein MB (Eds). Oxford University Press, Oxford, UK; 2009; pp 405-416.
400. Derbyshire SWG, **Bremner JD**: Impact of Functional Visceral and Somatic Pain/Stress Syndromes on Cingulate Cortex. In: *Cingulate Neurobiology and Disease*. Vogt B (Ed.). Oxford University Press, Oxford, UK; 2009; pp 499-518.
401. **Bremner JD**: Neurobiology of Dissociation: A View from the Trauma Field. In: *Dissociation and the Dissociative Disorders: DSM-V and Beyond*. Dell PF, O'Neil JA. (Eds.); New York, NY, US: Routledge/Taylor & Francis Group, 2009. pp. 329-336.
402. **Bremner JD**: Combat-related Psychiatric Syndromes. In: *Functional Pain Syndromes: Presentation and Pathophysiology*. Mayer EA, Bushnell MC (Eds.); Seattle, WA, US: IASP Press, 2009. pp. 169-183.
403. **Bremner JD**, Charney DS: Neural circuits in fear and anxiety. In: *Textbook of Anxiety Disorders, 2nd Ed*. Stein DJ, Hollander E, Rothbaum BO (Eds.). Arlington, VA: American Psychiatric Publishing, 2010. pp. 55-71.
404. **Bremner JD**, Vermetten E, Lanius R: Long-lasting effects of childhood abuse on neurobiology. In: *The Impact of Early Life Trauma on Health and Disease: The Hidden Epidemic*. Lanius R, Vermetten E, Pain C. (Eds.) Cambridge, U.K.: Cambridge University Press, 2010, pp. 166-178.
405. **Bremner JD**: Imaging in CNS Disease States: PTSD. In: *Imaging in CNS Drug Discovery and Development: Implications for Disease and Therapy*. Borsook D, Beccera L, Bullmore E, Hargreaves R. (Eds.). Springer press, Basel, Switzerland, 2010. p 339-360.
406. **Bremner JD**: Stress and human neuroimaging studies. In: *The Handbook of Stress: Neuropsychological Effects on the Brain*. Conrad CD (Ed.); Wiley-Blackwell Press, Chichester, West Sussex, United Kingdom, 2011. p. 446-462.
407. Vaccarino V, **Bremner JD**: Psychiatric and behavioral aspects of cardiovascular disease. In: *Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine, 9th Edition*. Bonow RO, Mann DL, Zipes DP, Libby P (Eds.); Saunders, Philadelphia PA, 2011, pp 1904-1915.
408. **Bremner JD**: Molecular imaging of post-traumatic stress disorder. In: *Understanding Neuropsychiatric Disorders: Insights from Neuroimaging*. Shenton ME, Turetsky TI (Eds.) Cambridge University Press, New York. 2011 pp 229-235.
409. **Bremner JD**, Vermetten E: The hippocampus and post-traumatic stress disorders. In: *The Clinical Neurobiology of the Hippocampus: An integrative view*. Bartsch T (Ed.). Oxford University Press, Oxford UK, 2012. pp 262-272.
410. **Bremner JD**: Brain and Trauma. In: *Encyclopedia of Trauma: An Interdisciplinary Guide*. Figley CR (Ed.), SAGE Publications. Los Angeles, CA. 2012.
411. **Bremner JD**: Hippocampus. In: *Encyclopedia of Trauma: An Interdisciplinary Guide*. Figley CR (Ed.), SAGE Publications. Los Angeles, CA. 2012.

412. **Bremner JD**: Trauma and Autobiography. In: *Encyclopedia of Trauma: An Interdisciplinary Guide*. Figley CR (Ed.), SAGE Publications. Los Angeles, CA. 2012.
413. **Bremner JD**: Post-traumatic stress disorder (PTSD). In: *The Oxford Handbook of Cognitive Neuroscience, Vol. 2: The Cutting Edges*. Ochsner KN, Kosslyn SM. (Eds.); Oxford University Press; 2014, pp. 434-449.
414. Vaccarino V, **Bremner JD**: Psychiatric and behavioral aspects of cardiovascular disease. In: *Braunwald's Heart Disease: A Textbook of Cardiovascular Medicine, 10th Edition*. Mann DL, Zipes DP, Libby P, Bonow RO (Eds.); Saunders, Philadelphia PA, 2014. Pp. 1876-1889.
415. Vaccarino V, **Bremner JD**: Posttraumatic Stress Disorder and Risk of Cardiovascular Disease. In: Alvarenga M., Byrne D. (eds) *Handbook of Psychocardiology*. Springer, Singapore; 2015, pp.1-19.
416. **Bremner JD**, Vaccarino V: Neurobiology of early life stress in women. In: *Psychosocial Stress and Cardiovascular Disease in Women: Concepts, Findings, Future Perspectives*. Orth-Gomér K, Schneiderman N, Vaccarino V, Deter H-C (Eds); Springer International Publishing; 2015, pp. 161-178.
417. **Bremner JD**: PTSD and Mild Traumatic Brain Injury. In: *Posttraumatic Stress Disorder: From Neurobiology to Treatment*. Bremner JD (Ed.) Wiley-Blackwell Press, Hoboken, N.J., 2016, pp 321-344.
418. Davis L, Hamner M, **Bremner JD**: Psychopharmacology of PTSD. In: *Posttraumatic Stress Disorder: From Neurobiology to Treatment*. Bremner JD (Ed.) Wiley-Blackwell Press, Hoboken, N.J., 2016, pp 389-412.
419. Shalev A, **Bremner JD**: Posttraumatic Stress Disorder: From Neurobiology to Clinical Presentaton. In: *Posttraumatic Stress Disorder: From Neurobiology to Treatment*. Bremner JD (Ed.), Wiley-Blackwell Press, Hoboken, N.J., 2016, pp 3-28.
420. **Bremner JD**, Pearce B: Neurotransmitter and Neuropeptide Function in Posttraumatic Stress Disorder. In: *Posttraumatic Stress Disorder: From Neurobiology to Treatment*. Bremner JD (Ed.), Wiley-Blackwell Press, Hoboken, N.J., 2016, pp 181-232.
421. Campanella C, **Bremner JD**: Brain Imaging in Posttraumatic Stress Disorder. In: *Posttraumatic Stress Disorder: From Neurobiology to Treatment*. Bremner JD (Ed.) Wiley-Blackwell Press, Hoboken, N.J., 2016, pp 291-320.
422. **Bremner JD**, Campanella C: Effects of Psychotherapy on the Brain in Posttraumatic Stress Disorder. In: *Posttraumatic Stress Disorder: From Neurobiology to Treatment*. Bremner JD (Ed.) Wiley-Blackwell Press, Hoboken, N.J., 2016, pp 413-429.
423. Vaccarino V, Mayer E, **Bremner JD**: Stress and Health. In: *Posttraumatic Stress Disorder: From Neurobiology to Treatment*. Bremner JD (Ed.) Wiley-Blackwell Press, Hoboken, N.J., 2016, pp 361-388.
424. **Bremner JD**: Traumatic Stress from a Multi-level Developmental Psychopathology Perspective. In: Cicchetti D (Ed.). *Developmental Psychopathology, Vol. 3: Maladaptation and Psychopathology (3rd Ed.)*. Wiley, Hoboken NJ. 2016; pp 386-424.

425. **Bremner JD**: Neural Circuits in Fear and Anxiety: Research Domain Criteria: *Textbook of Anxiety, Trauma, and OCD-Related Disorders*. 3rd Ed. American Psychiatric Press, Washington, D.C. Simon NM, Hollander E, Rothbaum RO, Stein DJ (Eds.). 2020; pp 43-58.
426. **Bremner JD**: Noninvasive Vagal Nerve Stimulation. In: *Scholarly Community Encyclopedia*. 2020; Entry 214. <http://encyclopedia.pub/2714>.

Edited Books

427. **Bremner JD**, Marmar C (eds.): *Trauma, Memory and Dissociation*. APA Press, Washington DC, 1998.
428. Saigh PA, **Bremner JD** (Eds.): *Posttraumatic Stress Disorder: A Comprehensive Text*. Allyn & Bacon, Needham Heights, MA: 1999.
429. **Bremner JD (Editor)**: *Posttraumatic Stress Disorder: From Neurobiology to Treatment*. Wiley Press, Hoboken, N.J.; 2016.

Authored Books

430. **Bremner JD**: *Does Stress Damage the Brain? Understanding Trauma-related Disorders from a Mind-Body Perspective*. New York: W. W. Norton, 2002.
431. **Bremner JD**: *Brain Imaging Handbook*. New York: W. W. Norton, 2005.
432. **Bremner JD**: *Before You Take that Pill: Why The Drug Industry May be Bad for Your Health: Risks and Side Effects You Won't Find on the Label of the Most Commonly Prescribed Drugs, Vitamins and Supplements*. New York: Avery/Penguin, 2008.
433. **Bremner JD**: *The Goose That Laid the Golden Egg: Accutane – the truth that must be told*. Hull, UK: Nothing but Publishing, Ltd. (2011).
434. **Bremner JD**: *The Fastest Growing Religion on Earth: How Genealogy Captured the Brains and Imaginations of Americans*. Atlanta, GA: Laughing Cow Books, 2013.
435. **Bremner JD**: *A Fresh Look At Greed*. Atlanta, GA: Laughing Cow Books, 2014.
436. **Bremner JD**: *A History of the Bremner Family: John Bremner of Rhynie, Aberdeenshire, Scotland, & His Descendants in America*. Atlanta, GA: Laughing Cow Books, 2014.
437. **Bremner JD**: *The Moon Has No Compassion For the Dead, And Other Poems*. Atlanta, GA: Laughing Cow Books, 2014.
438. **Bremner JD**: *You Can't Just Snap Out of It: The Real Path to Recovery from Psychological Trauma*. Atlanta, GA: Laughing Cow Books, 2014.
439. **Bremner JD**: *Guiding Clients in Recovery from Psychological Trauma*. Atlanta, GA: Laughing Cow Books, 2016.
440. Bremner A, **Bremner D**: *Justice in the Age of Judgment: From Amanda Knox to Kyle Rittenhouse and the Battle for Due Process in the Digital Age*. New York, NY: Skyhorse Publishing, with distribution by Simon & Schuster, 2022.

Authored Instruments

441. **Bremner JD**: *The Clinician Administered Dissociative States Scale (CADSS)*.
442. **Bremner JD**: *The Early Trauma Inventory*.

443. **Bremner JD:** *The Early Trauma Inventory-Self Report (ETI-SR)*

444. **Bremner JD:** *The Early Trauma Inventory-Self Report-Short Form (ETI-SR-SF)*

445. **Bremner JD:** *The Lifetime Trauma Inventory (LTI)*

Feature Length Films:

446. **Bremner JD** (writer/director/co-producer) *Inheritance, Italian Style*. Atlanta, GA: Laughing Cow Productions, 2016.