

PROGRAM

15th Annual
**Amygdala, Stress, and
PTSD Conference:**
STRESS AND THE MIND
April 20, 2021
Virtual Conference



The Amygdala, Stress, and PTSD Conference at the Uniformed Services University brings together scientists and clinicians working towards solving the biological basis of stress, fear, and post-traumatic stress disorder.

PROGRAM

15th Annual

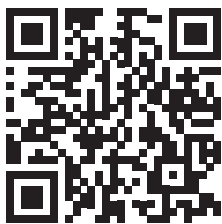
**Amygdala, Stress, and
PTSD Conference:**

STRESS AND THE MIND

April 20, 2021

Virtual Conference

SPONSORED BY: The Center for the Study of Traumatic Stress (USU), Department of Psychiatry (USU), Neuroscience Program (USU), and Department of Family Medicine (USU)



www.AmygdalaPTSDconference.org

Background

The Center for the Study of Traumatic Stress (CSTS) of the Uniformed Services University (USU), in collaboration with the USU Department of Psychiatry, USU Neuroscience Program, and USU Department of Family Medicine, is pleased to present the *15th Annual Amygdala, Stress, and PTSD Conference: Stress and the Mind*.

The Amygdala, Stress, and PTSD Conference at the Uniformed Services University brings together scientists and clinicians working towards solving the biological basis of stress, fear, and posttraumatic stress disorder.

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Agenda

0900–0905	Conference Announcements — Derrick A. Hamaoka, MD
0905–0915	Welcome and Introduction — Robert J. Ursano, MD
0915–1000	<i>Neural Circuit Mechanisms of Emotional and Social Processing</i> — Kay M. Tye, PhD
1000–1045	<i>Transcriptional and Epigenetic Basis of Stress Effects on the Brain</i> — Eric J. Nestler, MD, PhD
1045–1115	Break and Virtual Poster Session
1115–1145	Discussion Panel 1 — MODERATOR: David Johnson, COL, USA, MC Kay M. Tye, PhD, Eric J. Nestler, MD, PhD
1145–1245	Lunch
1245–1330	<i>Evidence Based Treatment For PTSD: Where Are We and Where Do We Need to Go into the Future</i> — David Forbes, PhD
1330–1415	<i>COVID-19: Behavioral Health Assessment Team</i> — LTC Vincent F. Capaldi, II, MC, USA
1415–1445	Break and Virtual Poster Session
1445–1530	<i>Individualized Resting-State fMRI-Guided Transcranial Magnetic Stimulation Treatment for Depressive Symptoms in Military Traumatic Brain Injury Patients</i> — David Brody, MD, PhD
1530–1545	Break
1545–1615	Discussion Panel 2 — MODERATOR: John M. Burger, LCDR, MC, USN David Brody, MD, PhD, David Forbes, PhD, LTC Vincent F. Capaldi, II, MC, USA
1615–1630	Closing Remarks and Presentation of Awards — Robert J. Ursano, MD

Speakers

David Brody, MD, PhD



David L. Brody, MD, PhD, is the Director of the Center for Neuroscience and Regenerative Medicine (CNRM) and a Professor of Neurology within the Uniformed Services University of the Health Sciences (USU) in Bethesda, Maryland. He is a board-certified neurologist with both a research and a clinical specialization in traumatic brain injury (TBI) and neurodegenerative diseases. His research focuses on accelerating better outcomes for U.S. military TBI patients.

Prior to his current position, Dr. Brody was the Norman J. Stupp Professor of Neurology at the Washington University School of Medicine in St. Louis, Missouri. Dr. Brody was also the Washington University site director for the National Football League's Neurological Care Foundation.

He has developed and authenticated advanced imaging technologies to detect injury in the brain's white matter and showed, for the first time, how to predict neurological function by measuring amyloid, an abnormal protein in the brain. He also helped discover that diffusion tensor imaging, an advanced magnetic resonance imaging technique, can reveal blast-related damage.

Dr. Brody previously led a team that worked in partnership with U.S. Department of Defense (DoD) researchers at the Landstuhl Regional Medical Center in Germany and at two sites in Afghanistan, treating U.S. military personnel with TBIs. In 2011, he served as a consultant to the medical advisor of the Chairman of the Joint Chiefs of Staff. He traveled to Afghanistan at the request of then-JCS Admiral Michael Mullen with the "Gray Team", a group of civilian and military experts evaluating the status of TBIs in troops within the combat zone.

His achievements have been recognized with several awards, including a Career Development Award from the National Institute of Neurological Disorders and Stroke, and a Burroughs Wellcome Career Award in the Biomedical Sciences. Dr. Brody is a member of the Editorial Board of the *Journal of Neurotrauma* and *Acta Neuropathologica* and a permanent member of the National Institute of Health Acute Neural Injury and Epilepsy Study Section. His clinical monograph entitled "Concussion Care Manual: A Practical Guide" was published by Oxford University Press in 2014.

Dr. Brody earned a B.A. in Biological Sciences from Stanford University and his MD and PhD from the Johns Hopkins University School of Medicine. He completed his neurology residency at the Washington University in St. Louis.

Speakers, Continued

LTC Vincent F. Capaldi, II, MC, USA



LTC Vincent F. Capaldi, II, MC, USA, is the Chief of the Department of Behavioral Biology, Center for Military Psychiatry and Neuroscience Research, at the Walter Reed Army Institute of Research in Silver Spring, MD. He currently serves as an associate professor in the departments of Internal Medicine and Psychiatry at the Uniformed Services University of the Health Sciences in Bethesda, MD. He is also the program director of the National Capital Consortium combined Internal Medicine and Psychiatry residency training program and chair of the Biomedical Ethics Committee at Walter Reed National Military Medical Center.

LTC Capaldi completed dual residency training in Internal Medicine and Psychiatry and fellowship in Sleep Medicine at Walter Reed National Military Medical Center. LTC Capaldi holds board certifications from the American Board of Psychiatry and Neurology and the American Board of Internal Medicine to practice General Psychiatry, Internal Medicine, and Sleep Medicine.

In 2013, LTC Capaldi was elected as a Fellow of the American Psychiatric Association and the American College of Physicians and currently served as president of the Society of Uniformed Services Psychiatrists (2017–2018).

In January 2013, LTC Capaldi was appointed as officer in charge (OIC) of the Restoration Program at Bagram Air Field, Afghanistan. As OIC, LTC Capaldi was responsible for the comprehensive behavioral health restoration program, all clinical operations, and prevention activities for over 45,000 NATO troops stationed across Afghanistan. In January 2019, LTC Capaldi deployed to Iraq in support of Operation Inherent Resolve, serving as the Theater Behavioral Health Consultant, the senior behavioral health provider supporting service members in Kuwait, Iraq, Syria, and Jordan. LTC Capaldi is credited with establishing the behavioral health hotline in the CENTCOM region.

LTC Capaldi has published over 40 peer reviewed scientific articles and book chapters on various topics such as sleep disorders, traumatic brain injury, and post stroke depression that have appeared in several medical journals. He serves as the Psychiatry & Clinical Psychology Disorders Capabilities Manager and Steering Committee Chair for Physiological Health and Performance in the Military Operational Research Program, Medical Research and Development Command. He also serves as the Sleep Medicine Consultant to the US Army Surgeon General.

Speakers, Continued

David Forbes, PhD



David Forbes is the Director of Phoenix Australia – Centre for Posttraumatic Mental Health and Professor in the Department of Psychiatry, University of Melbourne.

He has over twenty-five years' experience in the assessment and treatment of mental health problems in trauma survivors, with a speciality in military, veteran, and emergency services mental health.

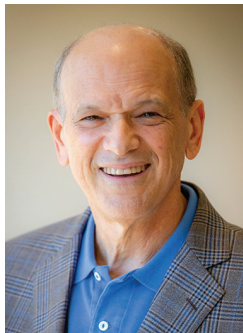
He led the development of the Australian Guidelines for the Treatment of Posttraumatic Stress Disorder (PTSD) approved by the National Health and Medical Research Council and is Vice

Chair of the International (ISTSS) PTSD Guidelines.

He has a strong track record in the conduct of research across the lifespan the provision of policy and service development advice to government and agencies responsible for the care of those occupationally exposed to trauma and the provision of training in evidence based treatments for PTSD and related disorders.

He has published over 160 scientific papers in the international literature and sits on many Commonwealth government policy and scientific advisory panels and academic journal editorial boards.

Eric J. Nestler, MD, PhD



Dr. Nestler is the Nash Family Professor of Neuroscience at the Icahn School of Medicine at Mount Sinai in New York, where he serves as Dean for Academic and Scientific Affairs and Director of the Friedman Brain Institute. He received his B.A., Ph.D., and M.D. degrees, and psychiatry residency training, from Yale University. He served on the Yale faculty from 1987–2000, where he was the Elizabeth Mears and House Jameson Professor of Psychiatry, Pharmacology, and Neurobiology, and Director of the Division of Molecular Psychiatry. He moved to Dallas in 2000, where he was the Lou and Ellen McGinley Distinguished Professor and Chair of the

Department of Psychiatry at The University of Texas Southwestern Medical Center, until moving to New York in 2008.

Dr. Nestler is a member of National Academy of Medicine (1998) and a Fellow of the American Academy of Arts and Sciences (2005). He is a past President of the American College of Neuropsychopharmacology (2011) and the Society for Neuroscience (2017). He is a founder and scientific advisory board chair for PsychoGenics, and a member of the Board of Directors of Berg Pharma. The author of more than 600 publications and five books, the goal of Dr. Nestler's research is to better understand the molecular basis of drug addiction and depression. His research uses animal models of these disorders to identify the ways in which drugs of abuse or stress change the brain to lead to addiction- or depression-like syndromes, and to use this information to develop improved treatments of these disorders.

Speakers, Continued

Kay M. Tye, PhD



Kay M. Tye is a Professor and Wylie Vale Chair of the Systems Neuroscience Laboratory at the Salk Institute for Biological Sciences, and an adjunct faculty member at the University of California, San Diego (UCSD). Her research program is focused on understanding the neurobiological mechanisms underlying social and emotional processes at the circuit, cellular and synaptic levels, particularly those relevant to psychiatric disease.

Professor Tye was born in Ithaca, New York on July 27, 1981 and graduated from Ithaca High School in 1999. Her professional training began at the Massachusetts Institute of Technology (MIT) where she graduated with a major in Brain and Cognitive Sciences in 2003. After taking a year off to travel, she earned her PhD at the University of California, San Francisco (UCSF) in 2008, and trained as a postdoctoral fellow at Stanford University from 2009–2011. She then became an Assistant Professor at MIT in 2012, and was promoted to Associate Professor with Tenure in 2018. She then moved her laboratory to the Salk Institute in 2019.

Professor Tye has been recognized with a number of prestigious research awards including the NIH Director's New Innovator Award, the Presidential Early Career Award for Scientists and Engineers, the Society for Neuroscience Young Investigator Award, Technology Review's Top 35 Innovators under thirty-five, and the NIH Director's Pioneer Award. She has also been recognized with a number of awards for mentoring at the undergraduate, graduate and postdoctoral level. She is committed to outreach, promoting diversity and inclusion in science, and parenting her two children along with her spouse, Jim Wagner.

Moderators

John M. Burger, LCDR, MC, USN



A native of Oklahoma City, Oklahoma, Lieutenant Commander Burger graduated in 2005 from the United States Naval Academy in Annapolis, Maryland. After receiving his M.D. degree from the Uniformed Services University of the Health Sciences, Lieutenant Commander Burger completed his internship and residency in psychiatry, both at the Naval Medical Center in San Diego, California. Upon completion of his residency, Lieutenant Commander Burger was assigned to the 1st Marine Regiment, Camp Pendleton, California where he served as the Officer-in-Charge for the Operational Stress Control and Readiness Team.

In 2016, Lieutenant Commander Burger received orders to Naval Hospital Camp Pendleton where he served as Senior Medical Officer and Mental Health Department Head for the Directorate of Mental Health. In 2018, Lieutenant Commander Burger deployed in support of JTF GTMO as the Behavioral Health Unit Officer-in-Charge, as well as being selected to provide regular ethics briefs to all staff and as the medical spokesman for media and dignitary visits, including a CODEL, NBC, Reuters, Military Times, and over 30 admirals and generals. In the summer of 2019, he arrived at Walter Reed National Military Medical Center where he is the Associate Program Director for the military's National Capital Consortium's Psychiatry Residency responsible for educating and training 53 psychiatry residents, both from the Army and Navy.

Lieutenant Commander Burger's awards include the Navy/Marine Corps Commendation Medal (four awards), Meritorious Unit Commendation, National Defense Service Medal, Global War on Terrorism Service Medal, Rifle Markmanship Medal (sharpshooter), and Pistol Markmanship Medal (expert). Lieutenant Commander Burger, his wife, and four children live in Bethesda, MD.

Moderators, Continued

David Johnson, COL, USA, MC



COL David Johnson serves as forensic psychiatry consultant to the Army Office of the Surgeon General and as Chief of the Center for Forensic Behavioral Sciences (CFBS) at Walter Reed National Military Medical Center (WRNMMC). The CFBS serves as the only dedicated facility for forensic psychiatry and forensic psychology within the Department of Defense, offering forensic consultation to courts-martial worldwide for DoD and the Coast Guard as well as to federal and military law enforcement and intelligence operations. His work at the CFBS began in June 2012, when he served as the Program Director for the National Capital Consortium Forensic Psychiatry Fellowship training program until June 2018. During that period, he was responsible for the military training of all Army and Navy forensic psychiatrists.

COL Johnson earned two degrees at the University of California at Berkeley in Molecular Cell Biology and Physical Anthropology in 1996. COL Johnson completed medical school at the Uniformed Services University (USU) in 2000, completed General Psychiatry residency at the old Walter Reed in 2004, and completed forensic psychiatry fellowship training there in 2005. His first duty assignment was as Division Psychiatrist for the 1st Infantry Division in Wuerzburg, Germany. He led all Behavioral Health operations in support of Schweinfurt, Germany from 2006 to 2010, supporting the 172nd Infantry Brigade and elements of the 173rd Airborne Brigade. He led Behavioral Health operations for Weed Army Community Hospital at the National Training Center (NTC) in Fort Irwin, California from 2010–2012. He deployed in support of both Operation Iraqi Freedom and Operation Enduring Freedom in support of warfighting efforts, and has travelled on separate short-term missions to both theaters as well.

COL Johnson has performed services for over 200 courts-martial, from R.C.M. 706 evaluations to expert testimony. He served as medical/psychiatric SME for the 15-6 investigation into the Fort Hood mass shooting of 2014 by SPC Ivan Lopez. COL Johnson has supported military commissions by conducting court-ordered evaluations on detainees involved with the U.S.S. Cole bombing and the 9/11 attacks. He has given numerous presentations at national and Judge Advocate General (JAG) conferences on military sexual assault, the military disability process, and other forensic topics. He has co-authored chapters for multiple textbooks and is a co-author of a significant paper regarding the use of military unit watches for potentially suicidal or homicidal service members.

COL Johnson's military awards include the Bronze Star, the Defense Meritorious Service Medal, the Meritorious Service Medal (1 OLC), the Joint Service Commendation Medal, the Army Commendation Medal, the Joint Service Achievement Medal, and the Army Achievement Medal (2 OLC). He is a member of the Order of Military Medical Merit, holds the Army's Proficiency "A" Designator, and holds Master Clinician status at WRNMMC.

Conference Leadership

Derrick A. Hamaoka, MD



Col (Dr.) Derrick Hamaoka serves as the Assistant Chair, Medical Education, for the Uniformed Services University of the Health Sciences Department of Psychiatry. Col Hamaoka is a graduate of the Uniformed Services University of the Health Sciences School of Medicine (1999) and the University of Texas Health Science Center Psychiatry Residency Program (2003). Prior to serving in his current position, he was the Associate Program Director, University of Texas Health San Antonio Psychiatry Residency Program, leading one of the largest programs in the nation and responsible for the majority of the active duty Air Force psychiatry pipeline.

He holds the Air Force Medical Corps Academic Grand Master (ME) Special Experience Identifier (SEI). He also served as the Defense Institute for Medical Operations director and subject matter expert for the Mental Health Services After Disasters & Combat course, providing support/education for recent missions to Iraq, Sierra Leone, Tunisia, Colombia, Mexico, and Slovakia.

Robert J. Ursano, MD



Dr. Ursano is Professor of Psychiatry and Neuroscience at the Uniformed Services University, Bethesda, Maryland and founding Director of the Center for the Study of Traumatic Stress. He served as Chairman of the Department of Psychiatry for 25 years. In addition, Dr. Ursano is Editor of *Psychiatry*, the distinguished journal of interpersonal and biological processes, founded by Harry Stack Sullivan. Dr Ursano completed twenty years of service in USAF medical corps and retired as Colonel in 1991. He was educated at the University of Notre Dame and Yale University

School of Medicine and did his psychiatric training at Wilford Hall USAF Medical Center and Yale University.

Dr. Ursano served as the Department of Defense representative to the National Advisory Mental Health Council of the National Institute of Mental Health and is a past member of the Veterans Affairs Mental Health Study Section and the National Institute of Mental Health Rapid Trauma and Disaster Grant Review Section. He is a Distinguished Life Fellow in the American Psychiatric Association. He is a Fellow of the American College of Psychiatrists. Dr. Ursano was the first Chairman of the American Psychiatric Association's Committee on Psychiatric Dimensions of Disaster. This work greatly aided the integration of psychiatry and public health in times of disaster and terrorism. Dr. Ursano was an invited participant to the White House Mental Health Conference in 1999. He has received the

Continued

Department of Defense Humanitarian Service Award, the Lifetime Achievement Award of the International Society for Traumatic Stress Studies, and APA's Bruno Lima Award in Disaster Psychiatry. He is the recipient of the William C. Porter Award from the Association of Military Surgeons of the United States, and a frequent advisor on issues surrounding psychological response to trauma to the highest levels of the US Government and specifically to the Department of Defense leadership.

Dr. Ursano has served as a member of the National Academies of Science, Institute of Medicine, Committee on Psychological Responses to Terrorism, Committee on PTSD and Compensation and the Committee on Nuclear Preparedness; and the National Institute of Mental Health Task Force on Mental Health Surveillance After Terrorist Attack. In addition he is a member of scientific advisory boards to the Secretary of Health and Human Services and the Centers for Disease Control. In 2012, Dr. Ursano was awarded the William C. Menninger Memorial Award for distinguished contributions to the Science of Mental Health by the American College of Physicians. In 2014, Dr. Ursano and Dr. Matthew Friedman of the VA National Center for PTSD co-founded the Friedman-Leahy Brain Bank supported through Senator Patrick Leahy (D-VT). It is the first human brain bank dedicated to PTSD. This joint effort of many people was a 12 year project developing concepts, pilot data and support. Dr. Ursano has more than 400 publications. He is co-author or editor of eight books.

Continuing Education

ACCREDITATION

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education through the joint providership of the American Psychiatric Association (APA) and Society of Uniformed Services Physicians. The APA is accredited by the ACCME to provide continuing medical education for physicians.

DESIGNATION

The APA designates this live activity for a maximum of 4.75 AMA PRA Category 1 Credits (TM). Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CE FOR NON-PHYSICIANS

Non-physicians will receive documentation of participation stating that the activity was certified for 4.75 AMA PRA Category 1 Credits (TM). Documentation will also include the title of each presentation, the conference date, and number of hours of participation. We suggest that you retain each presentation's description in your records in case your licensing agency requires it.

You should be able to present this information to your licensing agency for continuing education credit, however, there is considerable variation between states and licensing agencies so we cannot guarantee that non-physicians will receive credit.

Please contact contact@amygdalaptsdconference.org if you have any questions.

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Ebony Harris, Senior Instructional Designer, Online Learning,
Division of Education, American Psychiatric Association

Sydney Grossman, Digital Producer, American Psychiatric Association

Posters

1. Sleep Disturbances Impact PTSD and Health in Gulf War Veterans Illness

Authors: Nathaniel Allen, BS¹; Matthew Reinhard, PsyD¹

Affiliations:

1. Veterans Affairs Medical Center, Washington, DC

2. Nightmare Deconstruction and Reprocessing for Trauma-Related Nightmares in Military Service Members and Veterans: Preliminary Pilot Results

Authors: Alvi Azad, DO¹; David Benedek, MD¹; Marita Bolis, BS^{1,2}; Catherine Dempsey, PhD^{1,2}; Jessica Gill, PhD³; Katherine Hillman, BS^{1,2}; Ashley Phares, BA^{1,2}; James West, MD¹; Lei Zhang, MD¹; Xianzhang Hu, MD, PhD¹; Patricia Spangler, PhD^{1,2}

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3. National Institute of Nursing Research, National Institutes of Health, Bethesda, MD

3. Mindfulness is Associated with Reduction in Self-Reported Symptoms and Improvements in Neuropsychological and EEG Measures

Authors: Babu Henry Samuel, I., PhD^{1,2}; Allen, N., MS¹; Chun, T.J., BS¹; Crock, L., BS¹; Dutton, M.A., PhD³; Reinhard, M.J., PsyD^{1,3}; Costanzo, M.E., PhD¹

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3. Department of Psychology, Georgetown University, Washington, DC

4. Virtual Reality-Based Treatment of PTSD After Mild TBI: Preliminary Results of 3MDR With and Without Eye Movement

Authors: Paula Bellini, MA^{1,2,3}; Sarah Kruger, MS⁴; Hannah S. O'Malley^{1,2,3}; Kerri Dunbar, MA^{1,2,3}; Michael J. Roy, MD, MPH^{1,2,5}

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5. Department of Medicine, Walter Reed National Military Medical Center, Bethesda, MD

5. Psychological Resilience Support Material for Service Members Working with Human Remains: The MA-STAR Pocket Card OUTSTANDING VIRTUAL POSTER

Authors: Quinn M. Biggs, PhD, MPH^{1,2}; Joshua Morganstein, MD¹; Britany Mullins-Hussain, BA^{1,2}; Julia Petrini, ScB^{1,2}; James E. McCarroll, PhD, MPH^{1,2}; Carol S. Fullerton, PhD¹; Robert J. Ursano, MD¹

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6. Compounding Effects of Traumatic Brain Injury, Military Status, and Other Factors on Pittsburgh Sleep Quality Index: A Meta-Analysis OUTSTANDING VIRTUAL POSTER

Authors: Charity B. Breneman, PhD, MSPH^{1,2,3}; Immanuel Babu Henry Samuel, PhD^{1,2,3}; Timothy Chun, BS^{2,3}; Arghavan Hamed, MA^{2,3}; Rayelynn Murphy, MS³; John P. Barrett, MD, MPH^{2,3,4}

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7. Enhancing Executive Function and Self-Regulation Success Through the Promotion of Brain Health Behaviors: Review of Methods and Best Practices from an Ongoing Telehealth Pilot Study

Authors: Timothy Chun, BS¹; Walter Jachimowicz, RN¹; Lucas Crock, MS¹; Rebecca McCullers MA, RN^{1,4}; Ryan C. Brewster, PhD¹; Adil Alaoui, MS³; Anas Belouali, MS³; Charity Breneman, PhD^{1,4}; MaryAnn Dutton, PhD³; Michael Roy, PhD²; Matthew J. Reinhard, PsyD¹; Michelle Costanzo, PhD^{1,2}

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8. Social Closeness and Support are Associated with Lower Risk of Suicide Among U.S. Army Soldiers

Authors: Catherine L. Dempsey, PhD^{1,2}; David M. Benedek, MD¹; Kelly L. Zuromski, PhD³; Matthew K. Nock, PhD³; Pablo A. Aliaga, MA^{1,2}; Jingning Ao, MPH^{1,2}; Matthew W. George, MPH^{1,2}; Britany Mullins-Hussain, BA^{1,2}; Alysse Weinberg, BA^{1,2}; Robert J. Ursano, MD¹

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9. RECONsolidation of Traumatic memories to ResOLVE Posttraumatic Stress Disorder (RECONTROL): Preliminary Results OUTSTANDING VIRTUAL POSTER

Authors: Kerri E. Dunbar, MA^{1,7}; Hannah S. O'Malley^{1,3,7}; Paula G. Bellini, MA^{1,3,7}; Patricia T. Spangler, PhD^{2,4,6,7}; Deborah Probe Adams, MA^{2,4,7}; Catherine L. Dempsey, PhD^{2,4,6,7}; Richard M. Gray, PhD⁸; Michael J. Roy, MD, MPH^{1,3,5}

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6. Department of Psychiatry, Walter Reed National Military Medical Center, Bethesda, MD
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8. Research and Recognition Project, Corning, NY

10. Mild Traumatic Brain Injury Induces Changes in Lateral Habenula Neuronal Excitability

Authors: William Jesse Flerlage¹; Ludovic Langlois, PhD¹; Milan Rusnak¹; Aviva Symes, PhD¹; Fereshteh Nugent, PhD¹

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11. Extracellular Vesicle Proteins and MicroRNAs as Biomarkers of Persistent PTSD Symptoms in Veterans with History of Mild TBI OUTSTANDING VIRTUAL POSTER

Authors: Vivian A Guedes, PhD¹; Chen Lai, PhD¹; Christina Devoto, MS^{1,2}; Katie Edwards, PhD^{1,2}; Bao-Xi Qu, MD, PhD^{1,3}; Sara Mithani, PhD¹; Elisabeth A. Wilde, PhD⁵; William C. Walker, MD⁴; Ramon Diaz-Arrastia, MD, PhD⁶; J Kent Werner, MD^{7,8}; Jessica M. Gill, PhD^{1,7}; Kimbra Kenney, MD^{7,8}

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8. Department of Neurology, Uniformed Services University of the Health Sciences, Bethesda, MD

12. The Protective Role of Dispositional Mindfulness on the Relationship Between Post-Deployment Family Functioning and Chronic Depression Symptoms of Veterans

Authors: Arghavan Hamedi, MA¹; Daniel Soranzo, MA²; Nathaniel Allen, BS¹; Alexander Zajdel, BA¹; Lucas Crock, MA¹; MaryAnn Dutton, PhD³; Matthew J. Reinhard, PsyD¹; Michelle Costanzo, PhD¹

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3. Georgetown University Medical Center, Washington, DC

13. COVID-19 Fear-Induced Catatonia: A Case Report

Authors: Daniel J. Houser, BS¹; Emily Hoffman, BS¹; Christopher Hines, MD²; Enoch Barrios, MD²

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14. Dispositional Mindfulness Alters the Relationship Between Stressful Life Events and Posttraumatic Stress Disorder (PTSD) Symptoms in Veterans with Gulf War Illness

OUTSTANDING VIRTUAL POSTER

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15. Positive Allosteric Modulation of GABA β 2/3 Subunit-Containing Receptors Decreases Anxiety-Like Effects of Traumatic Stress in Rats

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16. Development of a Military-Relevant Preclinical Model of Stress-Related Disorders

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17. Daytime Sleepiness Relates to Tau Levels and PTSD and Depression Symptoms in Military Personnel with Traumatic Brain Injury

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18. Effect of Individual and Interpersonal Factors on Recovery Time Following Multiple Florida Hurricanes

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19. Identification of DNA Methylation Predicts Onset of PTSD and Depression Following Trauma

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20. A Multi-Modal Observational Remote Study in Veterans that have Experienced Blast Exposures: A Methodical Review

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21. A Comprehensive Prevention Matrix to Address Risk Factors for Child Neglect Types in U.S. Army Families

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22. Assessment of Visual Scanning Patterns During an Affective Saccade Task to Evaluate Threat Bias in Veterans with Posttraumatic Stress Disorder (PTSD)

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23. Randomized Controlled Trial of Allostatic Neurotechnology to Treat Mild Traumatic Brain Injury

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24. Longitudinal Neurochemical Changes of Riluzole Augmentation in Posttraumatic Stress Disorder Treatment in a Veteran Sample

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25. Post-Traumatic Stress Disorder May Be Associated with Allergic Rhinitis and Asthma Among Combat-Deployed US Military Service Members

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26. 7T Functional Magnetic Resonance Spectroscopy of Metabolite Variations During Working Memory in Trauma-Exposed Individuals

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27. A Pilot Study of App-Based Biofeedback in Active-Duty Servicemembers

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28. Cluster Analysis Fails to Reveal mTBI Symptom Phenotype

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29. Input-Specific Regulation of Discrete Populations of Lateral Habenula Neurons by KOR

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30. National Guard and Reserve Soldiers: Social Support Trajectories and Suicide Ideation

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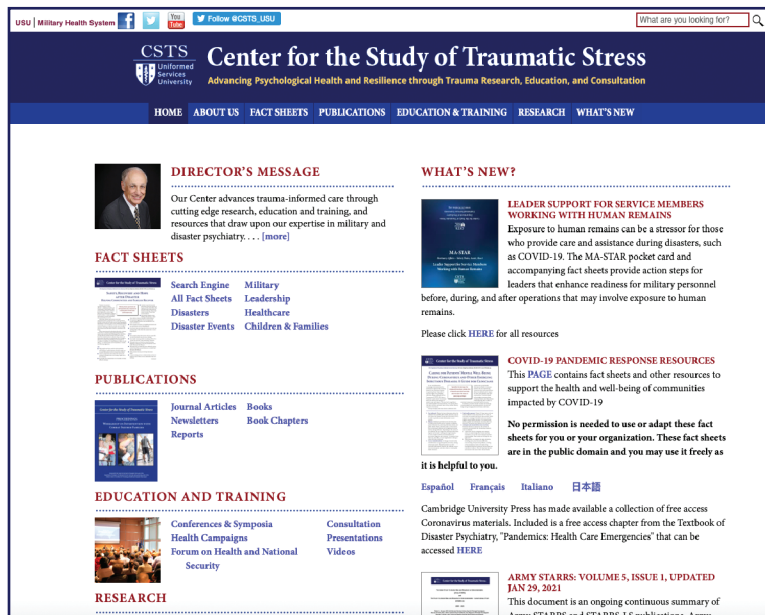
31. Central Amygdala Angiotensin Type 1 Receptor (AT1R) Expressing Neurons Influence Fear Extinction

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