

Home Base Brain Health Hybrid Summit – September 11-12, 2024

MGH Institute for Health Professions, 1 Constitution Wharf, Charlestown, MA

WELCOME

On behalf of Home Base and Massachusetts General Hospital Department of Psychiatry, we are proud to welcome you to the Inaugural Home Base Brain Health Summit 2024.

The Inaugural Home Base Annual Brain Health Summit examines the latest research and treatment innovations in military Special Operations Forces, veterans, and families suffering from the invisible wounds of war. In recognition of the anniversary of the September 11th attacks, Home Base, a Red Sox Foundation and Massachusetts General Hospital Program will provide comprehensive insights crucial for the holistic well-being of warriors throughout the lifespan. It will share updates in the Home Base Intensive Clinical Program with mass dose evidence-based therapy, Families of the Fallen, Children of the Fallen, and Native American cohorts.

The Brain Health Summit offers in-depth information on Brain Health, Resiliency, PTSD, Traumatic Brain Injury, Artificial Intelligence, Virtual Reality, and Machine Learning. In every session, faculty will share lessons learned in current training, human performance, data from new clinical trials, and compare it to existing data to examine key differences.

The 2024 Brain Health Summit has been made possible by generous sponsorship from the American Psychiatric Association Foundation (APAF) and support from the Wounded Warrior Project.

TARGET AUDIENCE

The target audience for this event is psychiatrists, Psychologists, Nurse Practitioners, Registered Nurses, Licensed Alcohol and Drug Counselors, Social Workers, Licensed Mental Health Counselors, Peer support specialists, and administrative personnel. psychiatrists, primary care and family practice.

EVALUATION FORMS/CME/CEU CERTIFICATES

Every participant needs to complete the activity evaluation online to claim CME/CEU credits for this course. Please refer to the **Evaluation and CME Information** document in this syllabus for more information. We strongly encourage you to complete the evaluation, even if you do not require a certificate. Your comments are important to us as we plan future programs. The link to claim credit <https://lms.mghcme.org/lms.homebase.org/Brainhealthsummit>

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CONTACT INFORMATION

For questions or comments, please contact MGH Psychiatry Academy member services at 866-644-7792 or mghcme@mgh.harvard.edu

LEARNING OBJECTIVES

At the end of this educational activity, participants should be able to:

Discuss advances from integrative medicine in research in traumatic brain injury (TBI) in integrative medicine, mind body health, biomarkers, lifestyle medicine, resiliency, and the Brain Care Score (BCS) on the impact on Brain Health and dementia.
List at least three key concepts of HealthSpan and definition of Exposures in Special Operations Forces and Veterans.
Apply human performance optimization strategies with community resources to enhance mental health, social support, and physical health outcomes in Special Operations Forces and veteran populations.
List three advances in military and veteran PTSD and TBI research including VR-based interventions, EEG biofeedback, and psychophysiology monitoring.
Demonstrate how collaborative support of Special Operations Forces and their families can enhance physical and mental well-being.
List four lines of efforts directed at blast exposure in Special Operations Forces.
List at least three key concepts of how PTSD increases risk for cardiovascular disease.
Describe massed treatment in PTSD including Native/Indigenous specialty cohorts
Discuss the concept of communal coping among military surviving spouses
List at least three considerations for ethics, equity, and equality in the development of technologies for healthcare.
Describe the history of treating wartime psychological trauma within the United States.

Discuss current TBI evaluation and treatment within TBICoE.
Identify best practices in culturally-competent embedded mental health practice with Navy SEALs.
Describe two challenges facing Naval Expeditionary Combatant Commanders force preservation strategy.
List at least three different toxic exposures that are seen in Special Operations Forces.
Describe three components of resiliency programs.
List 4 specialties involved in the comprehensive brain health assessment of special operators.
Discuss the link between increased lead exposure in military service and psychopathology.
Analyze how skills-based interventions for SUDs relate to recovery from comorbid mental health conditions such as PTSD and TBI.
Describe how military cultural issues affect the bereavement process.
Discuss the role of communal coping amongst military surviving spouses.
Describe how collaborative support enhances the physical and mental well-being of Navy SEAL operators and their families.
List 3 potential risk factors impacting neuropsychological outcomes in special operations forces.
Describe the SOCOM concept of humans over hardware.

ACCREDITATION

Physicians:

MGH Institute of Health Professions designates this live activity for a maximum of 13.00 AMA PRA Category 1 Credits™. Physicians should claim only credit commensurate with the extent of their participation in this activity.

Psychologists:

Continuing Education (CE) credits for psychologists are provided through the co-sponsorship of the American Psychological Association (APA) Office of Continuing Education in Psychology (CEP). The APA CEP Office maintains responsibility for the content of the programs. MGH Institute of Health Professions designates this activity for 13.00 CE credit.

Nurses:

MGH Institute of Health Professions designates this activity for 13.00 contact hours for nurses.

Social Workers:



As a Jointly Accredited Organization, MGH Institute of Health Professions is approved to offer social work continuing education by the Association of Social Work Boards (ASWB) Approved Continuing Education (ACE) program. Organizations, not individual courses, are approved under this program. State and provincial regulatory boards have the final authority to determine whether an individual course may be accepted for continuing education credit. MGH Institute of Health Professions maintains responsibility for this course. Social workers completing this course receive 13.00 clock hours for continuing education credits.

IPCE Credit



This activity was planned by and for the healthcare team, and learners will receive 13.00 Interprofessional Continuing Education (IPCE) credits for learning and change.

Other CE Licenses: Other Providers can claim a Participation Certificate upon successful completion of this course. Participation Certificates will specify the title, location, type of activity, date of activity, and number of AMA PRA Category 1 Credits™ associated with the activity. Providers should check with their regulatory agencies to determine ways in which AMA PRA Category 1 Credits™ may or may not fulfill continuing education requirements. Providers should also consider saving copies of brochures, agenda, and other supporting documents.

Agenda:

Content/Topic	Date/Time	Presenter	Teaching Methods/Learner Engagement Strategies
WEDNESDAY, SEPTEMBER 11, 2024			
Decades After 9/11: Evolving Military & Veterans Health			
Welcome	8:00am - 8:05am	Sofia Matta, MD, Senior Director of Medical Services, Home Base, Harvard Medical School	No CEs

<i>Color Guard</i>	8:05am – 8:07am		<i>No CEs</i>
<i>Journey of the Summit</i>	8:07am – 8:15am	<i>Lead Facilitator (Tom Kehner)</i>	<i>No CEs; Objectives, Flow of Day, Rules of Engagement</i>
Relationship Maker - What connects each of us to this work?	8:15am – 8:30am	Breakout Groups (AI generated teams based on registration data to determine most effective teams for engineering serendipitous connections.)	Meet other participants and learn why this work is important to them. Ground everyone in the learning to come. What questions do we have coming in?
<i>From Revolution to Innovation: A chronicle of HealthSpan Evaluation</i>	8:30am - 8:45am	Joseph Bonvie, PsyD, ABPP , Senior Director of Clinical Services, Home Base, Harvard Medical School	Dr. Bonvie will take a historical look at the integrated, multidisciplinary Traumatic Brain Injury evaluation within military medicine and how it has evolved since inception to meet the multitude of exposures in today's special operations forces personnel.
<i>Moment of Silence</i>	8:46am - 8:47am		<i>No CEs; 8:46 moment of silence</i>
SOCOM Brain Health	8:47am – 9:10am	Amanda Robbins, PsyD , USSOCOM Command Psychologist, United States Special Operations Command	As a pathfinder for the Department of Defense, SOCOM is striving to ensure the brain health and superior cognitive performance of the SOF Service Member. Through longitudinal monitoring, cognitive skill enhancement brain health research and links to quality treatment, SOCOM intends to proactively sustain and extend the lifecycle of its Forces and ensure optimal healthcare of our warfighters during and after service.
<i>Traumatic Brain Injury Center of Excellence (TBICOE)</i>	9:10am - 9:35am	Katharine Stout, DPT, MBA, PT, NCS , Traumatic Brain Injury Center of Excellence	This presentation will discuss current TBI evaluation and treatment within TBICOE.
KEYNOTE 1: Troops First Foundation	9:35am - 10:00am	Frank Larkin, MS , COO Troops First Foundation	<i>No CEs</i>
Special Operators			
<i>Current Brain Health Initiatives and Findings in Army SOF</i>	10:00am - 10:25am	Sergeant Major Chris McNamara , United States Army, Human Weapon System Director	SGM McNamara will discuss current research findings in active-duty SOF and the initiatives we are using to address them. We also discuss the four lines of effort that the NDAA directed Elite Forces Pilot Team are currently pursuing.
<i>The practice of Clinical and operational psychology in Naval Special Warfare</i>	10:25am - 10:50am	Linda Havens, PhD, ABPP , Force Psychologist, Naval Special Warfare Command	The presentation will provide an overview of clinical and operational applications of psychology practice within Naval Special Warfare as well as common clinical presentations and challenges faced by Navy SEALs. Challenges and barriers to care within Navy medicine will be discussed, as well as common practices to overcome stigma and improve access to care within a culturally competent embedded system of care.
<i>Embedded Psychological Health's Critical Contributions to HealthSpan</i>	10:50am - 11:15am	James M. Keener, PsyD, ABPP , Force Psychologist, United States Navy	Dr. Keener will discuss the challenges faced by Naval Expeditionary Combatant Commanders force preservation strategy.
<i>Special Operator - Breakout Group Huddles</i>	11:15am – 12:00pm	Bonvie, Robbins, Stout, Larkin, McNamara, Havens	Based on what you learned, what are your key takeaways? What is actionable in your work? What questions do you still have? (Speakers move from group to group to answer questions and help brainstorm.)
<i>LUNCH + Exhibitor Interaction</i>	12:00pm – 1:00pm	<i>Exhibitors</i>	<i>No CEs</i>
HealthSpan			
<i>Social Determinants, Resilience, Allostatic Load, and DNA Methylation Epigenetics</i>	1:00pm - 1:25pm	Sofia Matta, MD , Senior Director of Medical Services, Home Base, Harvard Medical School	Dr. Matta will review the social determinants of health, metabolic and inflammatory response in stress, neuroimmune markers, and DNA methylation accelerated aging (the epigenetic “clock”) in posttraumatic stress disorder (PTSD) and TBI. Recent advances in TBI on allostatic load, cardiovascular disease, metabolic syndrome, DNA methylation accelerated epigenetic aging, inflammation, and neuroendocrinological changes will be reviewed. She will introduce Positive Psychiatry, which aims to shed light on promoting mental health and well-being through enhancing social relationships, wisdom, and resilience and its impact on biomarkers, epigenetics, inflammation, and immune function.
KEYNOTE 2: Unveiling the Operator's Healthspan: Insights and Implications- Moving from Maladaptation to Adaptation	1:25pm - 1:50pm	Ross Zafonte, DO , President of Spaulding Rehabilitation Network	Dr. Zafonte will review the key concepts of <i>HealthSpan</i> and define Exposures in Special Operations Forces and Veterans.

<i>The Link Between PTSD and Cardiovascular Disease: Mechanisms and Treatment</i>	1:50pm - 2:15pm	Antonia V. Seligowski, PhD , Assistant Professor, Neurocardiac Effects of Stress and Trauma Lab, Massachusetts General Hospital, Harvard Medical School	Dr. Seligowski will provide an overview of how PTSD increases risk for cardiovascular disease (e.g., exaggerated fear responding). The presentation will also discuss treatment approaches that combine gold-standard therapies for PTSD and aim to reduce cardiovascular risk in this population.
<i>Toxic Exposures and EDDx</i>	2:15pm – 2:40pm	Lecia Sequist, MD, MPH , Program Director, Cancer Early Detection & Diagnostics, MGH Cancer Center	Dr. Sequist will discuss toxic exposures that are seen in Special Operations Forces.
<i>HealthSpan - Breakout Group Huddles</i>	2:40pm – 3:10pm	Tanev, Bonvie, Matta, Zafonte, Seligowski, Sequist	Based on what you learned, what are your key takeaways? What is actionable in your work? What questions do you still have? (Speakers move from group to group to answer questions and help brainstorm.)
<i>BREAK + Exhibitor Interaction</i>	3:10pm - 3:30pm	<i>Exhibitors</i>	<i>No CEs</i>
Next Gen Healthcare Tech			
<i>Introduction to Next Gen Healthcare Tech</i>	3:30pm - 3:35pm	Michael D. Allard, Chief Operating Officer, Home Base	<i>No CEs</i>
KEYNOTE 3: Technology and the Future of Digital Tools In Health Care	3:35pm – 3:55pm	Maurizio Fava, MD Chair of Psychiatry, MGH, Slater Family Professor of Psychiatry, Harvard Medical School	No CEs
<i>Next Generation Healthcare Technology: Quantifying the Qualitative to Inform Care</i>	3:55pm - 4:15pm	Andrea Webb, PhD , Chief Scientist, Draper	Provide an overview of techniques and approaches to quantify the qualitative to inform human understanding and care. Summarize Draper's past and current efforts focused on mental health assessment, including considerations around ethics, equity, and equality.
KEYNOTE 4: AI & Precision Psychiatry Precision Psychiatry: New Opportunities for Prevention and Treatment	4:15pm – 4:35pm	Jordan W. Smoller, MD, ScD , Professor of Psychiatry, Center for Precision Psychiatry, Department of Psychiatry; Psychiatric and Neurodevelopmental Genetics Unit, Center for Genomic Medicine, Massachusetts General Hospital	Dr. Smoller will introduce some of the goals of “precision psychiatry,” with a particular focus on leveraging large-scale data resources to address unmet needs in mental healthcare. For example, advances in machine learning and artificial intelligence are providing new opportunities to improve risk stratification, targeted prevention, and precision treatment. The presentation will highlight progress in these areas using several examples that capitalize on these opportunities, including efforts to predict and prevent suicide-related behavior and move beyond one-size-fits-all, trial-and-error approaches to treatment.
<i>Impact of Repeated Blast Exposure on Active-Duty United States Special Operations Forces</i>	4:35pm - 4:55pm	Brian L. Edlow, MD , Neurocritical Care Faculty, Massachusetts General Hospital	Dr. Edlow will discuss the state-of-the-science in diagnostic tests for brain injury associated with repeated blast exposure. The session will focus on emerging imaging and blood-based biomarkers, as well as clinical motivation and future directions.
<i>Building for the Future: Identifying Opportunities to Collaborate - Breakout Group Huddles</i>	4:55pm - 5:30pm	Fava, Tanev, Bonvie, Matta, Allard, Webb, Smoller, Edlow	What gaps or opportunities could we solve together? What does this information change for our industry? Who benefits? (Speakers move from group to group to answer questions and help brainstorm.)
THURSDAY, SEPTEMBER 12, 2024			
Performance And Community			
<i>Welcome Back</i>	8:00am - 8:05am	Joseph Bonvie, PsyD, ABPP , Senior Director of Clinical Services, Home Base	<i>Introduction to Performance and Community</i>
KEYNOTE 5: Collaboration	08:05am – 08:25	Eric Goralnick, MD, MS , Director, Military and Veterans Initiatives, Mass General Brigham, Harvard Medical School	<i>Dr. Goralnick will provide an overview of Mass General Brigham's Military and Veterans Initiatives.</i>
<i>Overnight Insights - Breakout Group Huddles</i>	8:25am - 9:25am	Joseph Bonvie, PsyD, ABPP , Senior Director of Clinical Services, Home Base Sofia E Matta, MD , Senior Director of Medical Services, Home Base	Knowledge Sharing
<i>Sports Performance and Research</i>	9:25am - 9:45am	Dr. Mark Stephenson	The presentation will cover human performance optimization strategies and resources to enhance the mental health of Special Operations Forces and veteran populations.
<i>Strategies for Human Performance Optimization from the Boston Bruins</i>	9:45am – 10:05am	Frank Simonetti , President, Boston Bruins Alumni Association	The presentation will describe human performance optimization strategies and community resources to enhance

			mental health, social support, and physical health outcomes in Special Operations Forces and veteran populations.
<i>Resiliency at Home Base and the Broader Military Community</i>	10:05am - 10:25am	April Hirschberg, Medical Director, Mind Body Health Program, Home Base, Department of Psychiatry, Massachusetts General Hospital	Dr. Millstein will describe the resiliency programs at Home Base, their development, and outcome studies. The session will also discuss the applicability and outreach of these programs to different military and veteran communities, including those related to athletics.
<i>BREAK + Exhibitor Interaction</i>	10:25am – 10:50am	<i>Exhibitors</i>	<i>No CEs</i>
Home Base Updates			
<i>Massed Treatment Approaches: Intensive Clinical Programming and Interdisciplinary Approaches to Brain Health: An overview of Home Base SOF Programming</i>	10:50am - 11:10am	Laura Harward, LICSW, Director, Intensive Clinical Program, Home Base, Massachusetts General Hospital Lauren Brenner, PhD, Clinical Psychologist; Clinical Director of Brain Health, Home Base, Massachusetts General Hospital	Ms. Harward will provide an overview of the Home Base Intensive Clinical Program (ICP), including the Families of the Fallen and Native/Indigenous specialty cohorts, sharing background on the ICP, evidence for success, and reviews of the specialty cohorts. Dr. Brenner will provide an overview of the ComBHAT program and describe innovative additions to brain health programming.
<i>Neuropsychological Assessment in SOF</i>	11:10am – 11:30am	Scott Sorg, PhD, Neuropsychology Team Lead, Home Base, Harvard Medical School	This session highlights the crucial role of neuropsychological assessment in the conceptualization of brain health in US Military Service Members and Veterans. It aims to provide an overview of the extant findings on neuropsychological outcomes in SOF, discuss relevant cognitive risk factors and assessment considerations in this population, and present recommendations to advance clinical practice and targets for future research efforts.
<i>Lead Exposure and Psychopathology Among Veterans and Active Duty Servicemembers</i>	11:30am - 11:40am	Gabrielle Hoover, PhD, Co-Director of Home Base Outpatient Clinic, Staff Psychologist, Home Base, Instructor, Harvard Medical School	Veterans and servicemembers are a population at risk for elevated lead exposure and post-traumatic stress disorder (PTSD) due to their military service. Many have accumulated a high density of lead from occupational and environmental exposures, specifically via firearms through take-home dust from lead-based primers and ammunition. The relationship between lead and psychopathology including PTSD remains poorly understood; preliminary data from a Catalyst Grant funded study at Home Base will be presented and discussed on this topic.
<i>Skills-Based Interventions for Substance Use Disorders: A Complement to PTSD and TBI treatment</i>	11:40am - 11:50am	Peter Ward, PhD, Staff Psychology, Home Base, Massachusetts General Hospital	This presentation will provide a brief overview of how two primary interventions at MGH Home Base, the SOAR IOP program and the Dual Recovery Supplement to the Intensive Clinical Program (ICP-DR) provide time-limited, effective means of treating Substance Use Disorders (SUDs) in concert with common comorbidities such as PTSD and TBI. The presentation will share specific interventions utilized in both programs and will relate these interventions to recovery from SUDs and comorbid conditions.
<i>Home Base Updates – Breakout Groups</i>	11:50am – 12:20pm	Bonnie, Matta, Brenner, Harward, Sorg, Hoover, Ward	What gaps or opportunities could we solve together? What does this information change for our industry? Who benefits?
<i>LUNCH + Exhibitor Walk</i>	12:20pm – 1:20pm	<i>Exhibitors</i>	<i>No CEs</i>
Family			
Introduction to Family	1:20pm - 1:30pm	<i>Rawle Andrews, Esq, Executive Director of the American Psychiatric Association Foundation</i>	<i>No CEs</i>
KEYNOTE 4: Generations of Service	1:30pm - 1:50pm	<i>MAJGEN Bowman</i>	<i>No CEs</i>
<i>Working with Families of the Fallen: Cultural Considerations and Risk Factors for Mental Health Concerns</i>	1:50pm - 2:10pm	Diane Nealon, LICSW, Director, Families of the Fallen, Home Base	An overview of military cultural considerations relevant to working with Families of the Fallen. Different types of military bereavement will be reviewed, along with a highlight of particular challenges facing survivor families of military suicide. Risk factors for mental health concerns in this population will be reviewed.

<i>Communal Coping Among Active-Duty Military Surviving Families</i>	2:10pm - 2:30pm	Victoria McCausland, MA, PhD , Assistant Professor, Old Dominion University and Founder & President - Strong Ties	Dr. McCausland will discuss how communal coping among military surviving spouses has the potential to promote resilience, normalize a non-normative experience and reduce stigma in a culture where discussion about death is uncomfortable. Through specific anecdotes about her personal and professional experience, she will highlight the enactment of communal coping and how it is revealed through interpersonal communication.
<i>Force Multiplier: Collaborative Support and the Role of Benevolent Organizations in Advancing Operator Wellness</i>	2:30pm - 3:00pm	Alison Messick , Chief Programs Officer, Navy SEAL Foundation	This presentation underscores the paramount importance of collaborative efforts between benevolent organizations in advancing the holistic wellness of Navy SEAL operators and their families. By harnessing the collective strength of these organizations, we can effectively multiply the impact of our support systems, enhancing resilience and performance within the SEAL community. However, navigating the complexities of collaboration poses challenges, necessitating strategic coordination and communication to overcome barriers and ensure optimal care delivery. Looking forward, a concerted focus on innovative solutions and partnership models will pave the way for continued advancements in operator wellness initiatives, fostering a culture of support and empowerment for our nation's elite warriors and their loved ones.
Problem Solving for the Future: Collaborative Focus Areas – Breakout Groups	3:00pm – 4:00pm	Bonvic, Matta, Bowman, Nealon, McCausland, Messick, Andrews	What does all of this information change? What is still needed to be more effective/efficient?
Closing	4:00pm – 4:15pm	BG Jack Hammond , Executive Director, Home Base	
Closing	4:15pm-4:30pm	Sofia E Matta, MD , Senior Director of Medical Services, Home Base Joseph Bonvic, PsyD, ABPP , Senior Director of Clinical Services, Home Base, Harvard Medical School	<i>Closing comments, Thank You from the Course Directors, Present key findings & questions (Eric Gorulnick, MD, MS), Next Steps</i>

FACULTY/PLANNERS/Content Reviewers

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Speakers:

Lauren	Brenner	PhD
Ronald	E Hirschberg	MD
Brian	Edlow	MD
Maurizio	Fava	MD
Eric	Goralnick	MD, MS
Linda	Havens	PhD, ABPP, CDR, USN, MSC US Navy
Laura	Harward	LICSW
Frank	Larkin	MS
Gabrielle	Hoover	PhD
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Victoria	McCausland	LICSW
Chris	McNamara	N/A
Alison	Messick	N/A
Diane	Nealon	LICSW
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Antonia	Seligowski	PhD
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Frank	Simonetti	N/A
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Scott	Sorg	PhD
Mark	Stephenson	PhD(c), MS, ATAC, CSCS
Katharine	Stout	DPT, MBA
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Andrea	Webb	PhD

DISCLOSURE INFORMATION

In accord with the disclosure policy of MGH Institute of Health Professions as well as guidelines set forth by the Accreditation Council on Continuing Medical Education, all people in control of educational content, including speakers, course directors, planners, and reviewers, have been asked to disclose all financial relationships with ineligible companies for the past 24 months, as defined below:

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The ACCME defines an “Ineligible company” as “those whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients.” For more information, visit accme.org/standards

Financial relationships

Financial relationships are those relationships in which the individual benefits by receiving a salary, royalty, intellectual property rights, consulting fee, honoraria,

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Disclosures:

Dr. Sequist receives institutional research grant funding from AstraZeneca, Delfi Diagnostics and Novartis.

Dr. Smoller receives research funding from Biogen and is on the Scientific Advisory Board of Sensorium Therapeutics, Inc.

Susan Sprich, PhD, receives royalties from Oxford University Press; Springer and honorarium (associate editor of a journal): Association for Behavioral and Cognitive Therapies

Professor Zafonte has financial ties to SAB, myomo, and Kisbee and is an advisor for Nanodynamics.

Dr. Edlow receives funding from the following:

USSOCOM: Contract No. H9240520D0001

NINDS: R21NS109627, RF1NS115268, R01NS128961

NIH Director's Office: DP2HD101400

Department of Defense: W81XWH-21-S-TBIPH2

Navy SEAL Foundation

Chen Institute MGH Research Scholar

James S. McDonnell Foundation

MGH Department of Neurology and Division of Neurocritical Care

MGH Martinos Center for Biomedical Imaging

Dr. Fava receives research support from Abbvie; Acadia Pharmaceuticals; Aditum Bio Management Company, LLC, Allergan, Alkermes, Inc.; Altimate Health Corporation; Alto Neuroscience, Inc.; Ancora Bio, Inc.; Angelini S.p.A; Aptinyx; Arbor Pharmaceuticals LLC; Axsome; Benckiser Pharmaceuticals, Inc.; BioClinica, Inc.; Biogen; BioHaven; BioShin Limited; Cambridge Science Corporation; Centrexion Therapeutics Corporation; Cybin IRL Limited; Damona Pharmaceuticals; EmbarkNeuro; Eliem Therapeutics LTD; Gate Neurosciences, Inc.; GenOmind, LLC; Gentelon, LLC; Gerbera Therapeutics, Inc.; GH Research Ireland Limited; Happify; Johnson & Johnson; Lundbeck Inc.; Marinus Pharmaceuticals; Medpace, Inc.; Millennium Pharmaceuticals, Inc.; Minerva Neurosciences; NeuraWell Therapeutics, Inc.; Neurocrine Biosciences, Inc.; Novaremed; Otsuka; Peachtree BioResearch Solutions Inc.; Pfizer; Premiere Research International; Praxis Precision Medicines; Protagenic Therapeutics, Inc.; Relmada Therapeutics Inc.; Shenox Pharmaceuticals; Stanley Medical Research Institute (SMRI); Takeda; University of Michigan; University of Florida Board of Trustees; Vistagen; WinSanTor, Inc.; Xenon Pharmaceuticals, Inc.; XW Pharma Ltd.; National Institute of Drug Abuse (NIDA); National Institutes of Health (NIH); National Institute of Mental Health (NIMH); and PCORI.

He also has equity holdings in Compellis (no longer in existence); Neuromity; Psy Therapeutics; Revival Therapeutics (no longer in existence); Sensorium Therapeutics and receives royalties and has patents for Sequential Parallel Comparison Design (SPCD), licensed by MGH to Pharmaceutical Product Development, LLC (PPD) (US_7840419, US_7647235, US_7983936, US_8145504, US_8145505); patent application for a combination of Ketamine plus Scopolamine in Major Depressive Disorder (MDD), licensed by MGH to Biohaven; and patents for pharmacogenomics of Depression Treatment with Folate (US_9546401, US_9540691) licensed to Nestle and for Compound for improving l-arginine bioavailability (US_11,655,210) licensed to DimeRx. Copyright for the MGH Cognitive & Physical Functioning Questionnaire (CPFQ), Sexual Functioning Inventory (SFI), Antidepressant Treatment Response Questionnaire (ATRQ), Discontinuation-Emergent Signs & Symptoms (DESS), Symptoms of Depression Questionnaire (SDQ), Anxiety Symptoms Questionnaire (ASQ), and ASFER; Belvoir; Lippincott, Williams & Wilkins; Wolkers Kluwer; World Scientific Publishing Co. Pte.Ltd. Nature of Financial Relationship Royalty/patent

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