Examining Traumatic Brain Injury as a Chronic Condition: A Workshop

March 11-12, 2024

Speaker Bios

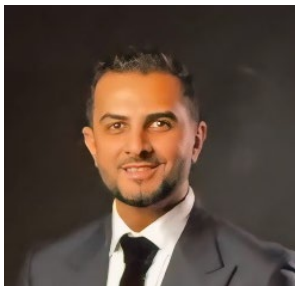
Mark Ashley, ScD, CCC-SLP, CCM, CBIST, is renowned for his 40 years of developing clinical therapies that help patients regain vital skills and independence. His published research spans neurological injury to best practices in treatment. Areas of expertise include extensive knowledge of neurorehabilitation diagnostics and treatment design, proven skill in facilitating neuroplasticity with intensive therapies, educating the public and practitioners on effective post injury care, and implementing programs that transition patients from dependency to independence. He has authored five books on traumatic brain injury rehabilitation and has testified before the California legislature, the Texas legislature, and the United States Congress advocating for patients and families. He served as Board Chair and Director for the Brain Injury Association of America and Brain Injury Association of California.

Charles Bombardier, PhD, is a clinical psychologist and Professor in the Department of Rehabilitation Medicine at the University of Washington. He has devoted his career to improving mental and physical health as well as quality of life in people with traumatic brain injury (TBI), spinal cord injury (SCI) and other disability groups through clinical work and research. His studies have focused on assessing and treating depression, pain, physical inactivity, substance abuse, low participation in rehabilitation therapies, and cognitive impairment in people with disabilities. Many of his treatment trials have been delivered via telehealth and designed to promote positive health behaviors and overall recovery from injury. He has led or co-led more than 20 randomized controlled trials of single and combined treatments, including antidepressants, cognitive behavioral therapy, motivational interviewing, physical activity counseling, and hypnosis. He has led multi-site studies with large investigator teams. His research has been published in high-quality, high impact journals such as JAMA, JAMA Psychiatry, the Journal of Neurotrauma, the Journal of Consulting and Clinical Psychology, Archives of Physical Medicine and Rehabilitation, and the Journal of Head Trauma Rehabilitation.

John Corrigan, PhD, is a Professor in the Department of Physical Medicine and Rehabilitation at The Ohio State University and Director of the Ohio Valley Center for Brain Injury Prevention and Rehabilitation. For more than 40 years he has treated, studied and advocated for persons with traumatic brain injury. Dr. Corrigan is Editor-in-Chief of the Journal of Head Trauma Rehabilitation. He has been the PI and co-PI of the Ohio Regional Traumatic Brain Injury Model System since 1997 and chaired the Executive Committee of the TBI Model Systems Project Directors from 2007-2017. Dr. Corrigan is the National Research Director for the Brain Injury Association of America and has previously served other national organizations, including CARF, the Injury Control Center at CDC, the Veterans Administration, and the U.S. Department of Defense, Defense Health Board. Since 2013 he has served as the Director of the Ohio Brain Injury Program, which is the designated lead agency in the state of Ohio for policy and planning related to living with brain injury. He has more than 200 peer reviewed publications and has received many awards for his service and research in brain injury rehabilitation, including the Brain Injury Association of America's William Fields Caveness Award, the 2007 Robert L. Moody Prize, the Gold Key Award from the American Congress of Rehabilitation Medicine, and the Lifetime Achievement Award from the International Brain Injury Association.

Judy Dettmer, BSW, has been working in the field of brain injury for over 30 years. Ms. Dettmer is currently the Director Technical Assistance and Special Projects at the National Association of State Head Injury Administrators. Ms. Dettmer has worked extensively with adults, children and family members of individuals with brain injury. She has provided direct and systems consultation to improve the lives of individuals with brain injury. Judy has also assisted with research efforts related to brain injury and has conducted countless presentations, classes, and seminars on brain injury nationally. Ms. Dettmer has provided technical assistance to numerous states including but not limited to; screening on brain injury, developing infrastructure within state systems such as departments of education, criminal and juvenile justice, and in developing and managing advisory boards and councils.

Raquel Gardner, MD, is a U.S. board-certified behavioral neurologist with additional advanced training in clinical research methods and biostatistics. Dr. Gardner has lead an international clinical research program focused on the intersections between traumatic brain injury, aging, and neurodegenerative disease. The goal of the research program is to advance knowledge and clinical care of brain injury in order to lessen the global burden of traumatic brain injury and neurodegenerative disease. She is also an investigator with the U.S.-based traumatic brain injury research network, TRACK-TBI https://tracktbi.ucsf.edu/. Dr. Gardner is a member of the Executive Committee of the International initiative for TBI Research (InTBIR) https://intbir.incf.org/. Since October 2023, her research program has expanded to also include war-related TBI with a major focus on blood-based biomarkers to aid in diagnosis and prognosis.



Saef Izzy, MD, FNCS, is an Associate Professor of Neurology, Harvard Medical School (HMS) and faculty at the Divisions of Neurocritical Care and Cerebrovascular Diseases at Brigham and Women's Hospital. Dr. Izzy is a National Institute of Health-funded clinician scientist with research interests focused on modulating the neuroinflammatory response to promote neurological recovery following stroke and acute brain injury. Dr. Izzy is a medical graduate of the University of Baghdad College of Medicine. He completed his neurology residency at the University of Massachusetts and fellowship in Neurocritical Care at Massachusetts General Hospital and Brigham and Women's Hospital, HMS. The Izzy laboratory has targeted the neuroinflammatory response in models of acute neurological diseases, including traumatic brain injury and intracerebral hemorrhage, through the therapeutic manipulation of mucosal immunity. This work has led to the discovery of novel drugs which are currently in the process of translation to NeuroICU patients. Dr. Izzy is also working with the Football Players Health Study at Harvard University to investigate the long-term neurological and medical outcomes following head injury. In addition, Dr. Izzy is the lead editor of "The NeuroICU Board review" Book and has authored over 78 publications in reputable journals, including Nature Neuroscience, Nature Communications, Lancet Neurology, Neuron, Brain, JAMA, and Circulation. Dr. Izzy is the immediate past Editor-in-Chief of Currents, Neurocritical Care Society e-magazine, and an active member of the Board of Trustees of the Neurocritical Care Foundation.

Shannon B. Juengst, PhD, CRC, FACRM, is a Clinical Investigator and Senior Scientist at TIRR Memorial Hermann, a Certified Rehabilitation Counselor, and an Adjunct Associate Professor in the Departments of Physical Medicine & Rehabilitation at UT Health Sciences Center at Houston and UT Southwestern Medical Center. Her work focuses on behavioral and emotional outcomes after traumatic brain injury for individuals and their care partners and improving these outcomes through problem-solving interventions, neurobehavioral assessment, and innovative telehealth methods. She has a secondary focus on improving health disparities through accessible and adapted patient-reported outcome measures and behavioral health interventions. Her work has consistently focused on participation as a primary outcome, with a particular eye towards defining and measuring participation in ways that are meaningful to individuals with TBI. Dr. Juengst has a long track record of research funding, mostly on projects examining long-term outcomes after TBI. Currently, she is: 1) Principal Investigator (PI) of a DoD-funded Patient-Centered Award to develop an electronic version of Problem-Solving Training (ePST) for adults with TBI, employing a Community-Based Participatory Research approach; 2) Co-PI for the SELF-TBI project to develop a self-management tool for persons with TBI to manage their chronic health conditions; 3) Co-Project Director for the TIRR Memorial Hermann/Baylor College of Medicine/UT Health Collaborative Traumatic Brain Injury Model System, wherein she leads both the TIRR site-specific project on self-reported symptom monitoring via mHealth after inpatient rehabilitation discharge and a multisite collaborative project on health perceptions and their effect on long-term outcomes after injury.

David Loane, PhD, is a neuroimmunologist and Associate Professor of Neuroscience in the School of Biochemistry and Immunology, Trinity College Dublin, Ireland, and Adjunct Associate Professor at the Shock, Trauma, and Anesthesiology Research (STAR) Center at the University of Maryland School of Medicine (UMSOM), Baltimore, MD, USA. Dr. Loane conducted his graduate studies in the Department of Pharmacology and MRC Center for Synaptic Plasticity, University of Bristol, England. He then pursued postdoctoral training in CNS injury and neuroinflammation at Trinity College Institute of Neuroscience, Trinity College Dublin, Ireland and the Department of Neuroscience, Georgetown University, Washington DC, USA. He was a faculty member in the Department of Anesthesiology and STAR Center, UMSOM from 2009-2018, and he returned to Dublin to establish a preclinical neurotrauma and neuroimmunology research group in Trinity College Dublin. Dr. Loane leads a multi-

disciplinary research team dedicated to studying brain/systemic inflammation and chronic injury mechanisms following TBI.

Helene Moriarty, PhD, RN, FAAN, is Professor, Diane & Robert Moritz, Jr. Endowed Chair in Nursing Research at the Villanova University M. Louise Fitzpatrick College of Nursing and Nurse Scientist at the Corporal Michael J. Crescenz Veterans Affairs (CMCVA) Medical Center. She is also a member of the NewCourtland Center for Transitions and Health, a research center at University of Pennsylvania School of Nursing, and a Core Investigator at the CMCVA Center for Health Equity Research and Promotion. Dr. Moriarty's research has led to novel insights and healthcare approaches for Veterans with traumatic brain injury (TBI) and their families. This research is one of the first scientific efforts to engage family members as integral partners in the care of Veterans with TBI and address the wellbeing of family caregivers. Her completed NIH-funded randomized controlled trial evaluated the impact of an innovative rehabilitation intervention, the Veterans' In-home Program (VIP), for Veterans with TBI and their families. Building on the VIP, Dr. Moriarty's current NIH-funded study tests a rehabilitation approach that addresses critical gaps in services and research for civilians and Veterans with chronic TBI symptoms and their families. She served on the National Academies of Sciences, Engineering, and Medicine Committee on Accelerating Progress in TBI Research and Care from 2020 to 2022 that prepared a report providing a 10-year roadmap for advancing TBI research and clinical care. Recognized as an international nursing leader and expert in family science, Dr. Moriarty is a tireless champion for families, particularly for those of military Veterans. Dr. Moriarty has held leadership roles within the VA health system, serves as a member of the American Academy of Nursing's Expert Panel on Military and Veterans Health, and since 2022 has served as Chair Elect, Chair, and now Co-Chair of the VA Nursing Research Field Advisory Committee charged with developing and implementing the strategic plan for nursing research for the VA health system.

Tolu Oyesanya, PhD, RN, is an associate professor with tenure in the School of Nursing at Duke University. Her research program centers on care of patients with traumatic brain injury (TBI) in acute and post-acute treatment settings, as well as support of their family caregivers. Her current NIH/NINR R01 focuses on testing the efficacy of her team's transitional care program for patients with TBI, discharged home from acute hospital care, and their family caregivers, with an emphasis on improving patient quality of life and decreasing caregiver strain. Dr. Oyesanya earned her BSN, MSN, and PhD in Nursing from University of Wisconsin-Madison. She completed a post-doctoral fellowship in Brain Injury Research at

Shepherd Center in Atlanta, GA. Her research has been consistently supported by federally-funded awards. Dr. Oyesanya is actively involved in several professional organizations, including serving as Chair of the Career Development Networking Group of the American Congress of Rehabilitation Medicine and as a member of the Association of Rehabilitation Nurses and the International Brain Injury Association.

Mary Jo Pugh, PhD, RN, integrating her training as a Veteran, nurse, and developmental psychologist, Dr. Pugh developed a research program to examine the long-term sequelae and outcomes of military exposures. Over the past decade, her work has used VA data to identify phenotypes in populations with complex comorbidity, including those with traumatic brain injury (TBI), with a focus on TBI as a chronic condition. Dr. Pugh's current work includes longitudinal observational and prospective studies to identify the emergence of distinct neurodegenerative conditions, such as cognitive impairment and epilepsy, that may have similar/networked biological underpinnings. Her longitudinal population-based observational studies currently link Department of Defense combat theatre and health system data with VA health system data with primary data collection, including surveys, neuroimaging, neuropsychological testing, and biomarkers. Her emerging analyses using these data sources focus on health impacts for women service members and veterans. These studies using artificial intelligence aim to identify risk factors and investigate the possibility of using personalized medicine to determine optimal treatment pathways for specific phenotypes that inform treatment guidelines for TBI in multimorbidity.

Rebecca Quinn, MSW, LCSW, CBIST, serves as an associate director for the Center for Rural Health at the University of North Dakota (UND) School of Medicine & Health Sciences in Grand Forks. Dr. Quinn manages the North Dakota Brain Injury Network, and the North Dakota Qualified Service Provider (QSP) Hub. Dr. Quinn's past experience includes working in various settings, primarily in the healthcare field. She served as an adjunct professor in the Social Work department at UND where she taught courses on gerontology and substance abuse. Rebecca is a licensed social worker and obtained her Master of Social Work degree from the University of Texas at Arlington in May 2000 and her Bachelor of Arts degree from Texas A&M in 1997

Angelle M. Sander, PhD, is Professor in the H. Ben Taub Department of Physical Medicine and Rehabilitation at Baylor College of Medicine and Director of TIRR Memorial Hermann's Brain Injury Research Center. She is Project Director for the TIRR Memorial Hermann/Baylor College of Medicine/UThealth Collaborative Traumatic Brain Injury Model System. She has been PI or Co-Investigator on federally funded studies addressing prediction and treatment of cognitive, emotional, and psychosocial problems in persons with TBI, self-management of TBI-related consequences, health literacy in individuals with TBI, intimacy and sexuality after TBI, impact of TBI on caregivers, and social determinants of health following TBI. She has over 150 peer-reviewed publications, numerous book chapters and published abstracts, and multiple consumer-oriented dissemination products, including fact sheets, educational manuals, webcasts, and videos targeted toward individuals with TBI, their care partners, and rehabilitation professionals.

Andrea Schneider, MD, PhD, is an Assistant Professor of Neurology in the Division of Neurocritical Care with a secondary appointment in the Department of Biostatistics, Epidemiology, and Informatics at the University of Pennsylvania Perelman School of Medicine. She received her MD in 2014 from the Johns Hopkins University School of Medicine and received her PhD in Epidemiology from the Johns Hopkins University Bloomberg School of Public Health in 2012. She completed Neurology Residency and Neurocritical Care Fellowship at Johns Hopkins Hospital in 2020. She is a neuroepidemiologist who has authored over 130 peer-reviewed publications. Her research program is centered on traumatic brain injury (TBI) epidemiology and the prevention of TBI-related sequelae, with a focus on the prevention of TBI-related neurodegeneration and dementia. Dr. Schneider is the PI of a NINDS K23 grant and three Department of Defense grants. She is the recipient of the 2023 Derek Denny-Brown Young Neurological Scholar Award in Clinical Science from the American Neurological Association, the 2023 Rising Star Award from the National Neurotrauma Society, and the 2024 NIH Office of Disease Prevention Early-Stage Investigator Award.

Joel Scholten, MD, is VA's Executive Director of Physical Medicine and Rehabilitation (PM&R) providing policy and planning oversight for VA rehabilitation programming which includes the Polytrauma and Amputation Systems of Care. Dr. Scholten assumed the role of PM&R Director in September 2015. He maintains an active clinical and research practice at the Washington DC VA Medical Center and serves as the Associate Chief of Staff for Rehab Services. Dr. Scholten received his medical degree at the University of South Dakota and completed his residency in Physical Medicine and Rehabilitation at Eastern Virginia Graduate School of Medicine.

Eric Spier, MD, serves as the Brain Injury Program Medical Director at Craig Hospital. Dr. Spier earned his medical degree from the University of Texas Medical School in Houston and completed his residency at the Yale School of Medicine in New Haven and the Baylor College of Medicine in Houston. He joined the medical staff at Craig Hospital in 2016 after building and serving as the Medical Director for Mentis El Paso, a 24-bed post-acute neurorehabilitation program that served West Texas, New Mexico and surrounding areas. Dr. Spier serves as the Medical Director for the Brain Injury Alliance of Colorado.

Tamara Wexler, MD, PhD, is a neuroendocrinologist, internationally known for her work on post-TBI pituitary hormone deficiencies. She is a Clinical Professor at NYU, an Adjunct professor at the University of Pennsylvania, and a Senior Advisor to McKinsey & Company. She received her MD and her PhD in Neuroscience from the University of Pennsylvania and completed her Internal Medicine residency and Endocrinology fellowship at the Massachusetts General Hospital. She was the founding Director of the NYU Langone Medical Center Pituitary Center and has served as an Attending Physician in Internal Medicine at the Massachusetts General Hospital. Dr. Wexler recently completed a term on the Endocrine Society Clinical Guidelines Committee and is an Innovation Development Fund Advisory Board Member and serves on the University of Pennsylvania Institute for Diabetes, Obesity, and Metabolism Leadership Council. She is a speaker and moderator at academic medical centers and international conferences on the topic of neuroendocrine sequelae of brain injury. Her publications appear in the Journal of Clinical Endocrinology & Metabolism and Clinical Endocrinology, among other journals.