



The University of Texas Systemwide Brain Research Summit

Austin Downtown Marriott

304 E. Cesar Chavez St., Austin, TX 78701

Monday, November 7, 2022

07:00 am - 05:00 pm **Registration/Check-in**

10:00 am - 10:20 am **Introduction and Opening Remarks**

- Message from **Governor Greg Abbott** (pre-recorded)
- **William Dauer, M.D.**, Professor and Director, Peter O'Donnell Jr. Brain Institute, UT Southwestern Medical Center

10:20 am - 11:30 am **Keynote Session and Discussion**

- **Walter Koroshetz, M.D.**, Director of the National Institute of Neurological Disorders and Stroke

11:35 am - 12:35 pm **Stroke and Related Brain Injuries**

- *"Overview of clinical stroke, treatments and importance of time in acute stroke treatment"* - **Alexandra Czap, M.D.**, Assistant Professor of Neurology, McGovern Medical School Department of Neurology, UT Health Science Center - Houston
- *"Ischemic Stroke Research"* - **Adrienne Dula, Ph.D.**, Assistant Professor of Neurology and Diagnostic Medicine, Dell Medical School, UT Austin
- *"Overview of TBI and Concussions"* - **Alex Valadka, M.D.**, Professor, Department of Neurological Surgery, UT Southwestern Medical Center
- *"Basic science and research on TBI and Concussion"* - **Linda Noble-Haeusslein, Ph.D.**, Professor, Departments of Psychology, College of Liberal Arts and Neurology, Dell Medical School, UT Austin
- *"Enhancing Rehabilitation with Vagus Nerve Stimulation"* - **Seth Hays, Ph.D.**, Associate Professor, Department of Bioengineering, UT Dallas

Moderators:

- **Louise D. McCullough, M.D., Ph.D.**, Chief of Neurology, Memorial Herman Hospital - Texas Medical Center; Roy M. and Phyllis Gough Huffington Distinguished Chair and Professor of Neurology, UT Health Science Center - Houston



- **Linda Noble-Haeusslein, Ph.D.**, Professor, Departments of Psychology, College of Liberal Arts and Neurology, Dell Medical School, UT Austin

12:35 pm - 01:25 pm **Lunch and Networking**

01:30 pm - 02:30 pm **Neurodegenerative Disorders**

- *“Clinical overview of neurodegenerative disorders and Texas-specific epidemiology”* - **Gladys Maestre, M.D., Ph.D.**, Professor of Neuroscience and Human Genetics, Director of the Rio Grande Valley Alzheimer’s Disease Resource Center for Minority Aging Research, Co-Director of South Texas Alzheimer Disease Research Center, UT Rio Grande Valley
- *“Basic science research and therapeutic opportunities”* - **Marc Diamond, M.D.**, Director, Center for Alzheimer's and Neurodegenerative Diseases, UT Southwestern Medical Center
- *“Clinical Trials for Neurodegenerative Diseases in Texas”* - **Mitzi Gonzales, Ph.D., ABPP-CN**, Associate Professor, Department of Neurology, UT Health Science Center - San Antonio
- *“Industry Partnership in Neurodegeneration in the UT System: Opportunities for the Future”* - **Jim Ray, Ph.D.**, Executive Director, Neuroscience; Director, The Neurodegeneration Consortium, UT M.D. Anderson Cancer Center

Moderators:

- **Bess Frost, Ph.D.**, Bartell Zachry Memorial Distinguished Professor for Research in Neurodegeneration, Associate Professor; Barshop Institute for Longevity and Aging Studies, UT Health Science Center - San Antonio
- **Astrid Cardona, Ph.D.**, Professor and Department Chair, Department of Molecular Microbiology and Immunology, UT San Antonio

02:35 pm - 03:35 pm **Pain**

- *“Clinical Impact of Pain”* - **Asma A. Khan, Ph.D.**, Associate Professor, Department of Endodontics, UT Health Science Center - San Antonio
- *“Current state of basic pain research in Texas”* - **Peter Grace, Ph.D.**, Associate Professor and Chair ad interim, Department of Symptom Research, UT M.D. Anderson Cancer Center
- *“Industry Collaboration and Entrepreneurship in Pain in Texas”* - **Theodore Price, Ph.D.**, Ashbel Smith Professor, Department of Neuroscience, UT Dallas



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- *“Equipping UT System PhD Students for Success”* - **Juliette Mwirigi**, Ph.D. student, UT Dallas
 - *“Equipping UT System Postdocs for Success”* - **Michael Lacagnina, Ph.D.**, Instructor, UT M.D. Anderson Cancer Center

Moderators:

- **Theodore Price, Ph.D.**, Ashbel Smith Professor, Department of Neuroscience, UT Dallas
- **Robert Messing, M.D.**, M. June and J. Virgil Waggoner Chair in Molecular Biology; Professor of Neurology and Neuroscience; Chair, Department of Neuroscience; Director, Waggoner Center for Alcohol & Addiction Research, UT Austin

03:35 pm - 03:40 pm **Break**

03:45 pm - 04:45 pm **Substance Use Disorders**

- *“Translating Science to Practice to Reduce the Burden of Addiction in Texas”* - **Jennifer Potter, Ph.D., MPH**, Vice President for Research and Professor of Psychiatry and Behavioral Sciences, UT Health Science Center - San Antonio
- *“Basic and Translational Advances: Substance Use Disorders (SUDs)”* - **Laura O’Dell, Ph.D.**, Professor and Associate Vice President for Research, UT El Paso
- *“Industry advancements on substance use disorders”* - **Navid Khodaparast, Ph.D.**, Co-Founder & Chief Science Officer, Spark Biomedical
- *“Postdoctoral opportunities and future trends”* - **Christina Robin Merritt, Ph.D.**, Director of Molecular and Translational Therapeutics, Center for Addiction Research, UT Medical Branch - Galveston
- *“Future career opportunities in Texas panel”* - **Luis A. Natividad, Ph.D.**, Assistant Professor, College of Pharmacy, Division of Pharmacology and Toxicology, and affiliate of the Waggoner Center for Alcohol and Addiction Research, UT Austin

Moderators:

- **Kathryn Cunningham, Ph.D.**, Chauncey Leake Distinguished Professor of Pharmacology; Director, Center for Addiction Research; John Sealy School of Medicine, UT Medical Branch - Galveston



- **Joy M. Schmitz, Ph.D.**, Professor and Faillace Chair, Faillace Department of Psychiatry and Behavioral Science; Director, Center for Neurobehavioral Research on Addiction (CNRA), UT Health Science Center - Houston

04:45 pm - 05:00 pm **Closing Remarks**

- **Jair Soares, M.D., Ph.D.**, Professor and Chairman, Department of Psychiatry and Behavioral Sciences, UT Health Science Center - Houston

05:00 pm - 07:00 pm **Reception**

Tuesday, November 8, 2022

07:00 am - 03:00 pm **Registration/Check-in**

07:00 am - 08:00 am **Breakfast**

08:00 am - 08:20 am **Introduction and Opening Remarks**

- **John M. Zerwas, M.D.**, Executive Vice Chancellor for Health Affairs
- **Jair Soares, M.D., Ph.D.**, Professor and Chairman, Department of Psychiatry and Behavioral Sciences, UT Health Science Center - Houston

08:20 am - 09:30 am **Keynote Session and Discussion**

- **Joshua A. Gordon, M.D., Ph.D.**, Director, National Institute of Mental Health

09:35 am - 10:35 am **Early and Mature Psychoses**

- *“Introduction to the Psychoses”* - **Jorge Almeida M.D., Ph.D.**, Director, the Bipolar Disorder Center; Associate Professor of Psychiatry and Behavior Sciences, Department of Psychiatry and Behavioral Sciences, UT Austin
- *“Pertinent memory mechanisms and research”* - **Michael D. Rugg Ph.D.**, Distinguished Professor, Center for Vital Longevity and School of Behavioral and Brain Sciences, UT Dallas
- *“Bench-to-bedside psychosis program”* - **Carol A. Tamminga M.D.**, Professor and Chair, Department of Psychiatry, UT Southwestern Medical Center



- *“Bypassing cognitive impairment to improve outcomes in psychosis”* - **Dawn I. Velligan, Ph.D.**, Professor and Henry B. Dielmann Chair, Department of Psychiatry, UT Health Science Center - San Antonio

Moderators:

- **Carol A. Tamminga, M.D.**, Professor and Chair, Department of Psychiatry, UT Southwestern Medical Center
- **Jair C. Soares M.D., Ph.D.**, Professor and Chairman, Department of Psychiatry and Behavioral Sciences, UT Health Science Center - Houston

10:35 am - 10:40 am **Break**

10:45 am - 11:45 am **Autism and Other Neurodevelopmental Disorders**

- *“Autism: Definition, Prevalence, Diagnosis, and Challenges”* - **Sandy Magana, MSW, Ph.D.**, Professor and Director, Texas Center for Disability Studies; Steve Hicks School of Social Work, UT Austin
- *“The genetics and mechanisms underlying autism spectrum disorder”*- **Maria Chahrour, Ph.D.**, Associate Professor, Eugene McDermott Center for Human Growth and Development, Department of Neuroscience; Center for the Genetics of Host Defense, Department of Psychiatry; UT Southwestern Medical Center
- *“Clinical Research and Practice”*- **Leslie Neely, Ph.D.**, Associate Professor of Educational Psychology, UT San Antonio

Moderators:

- **Jenny Hsieh, Ph.D.**, Professor and Department Chair, Department of Neuroscience, Developmental and Regenerative Biology; Semmes Foundation Distinguished Chair in Cell Biology; Director, Brain Health Consortium, UT San Antonio
- **Audrey Brumback, M.D., Ph.D.**, Assistant Professor, Department of Neurology, Department of Pediatrics, Dell Medical School, UT Austin

11:50 am - 12:45 pm **Affective Disorders/Suicide**

- *“Depression and its Tragic Consequences”* - **Charles Nemeroff, M.D., Ph.D.**, Matthew P. Nemeroff Professor and Chair, Department of Psychiatry & Behavioral Sciences, Dell Medical School, UT Austin
- *“Epigenetics of mood disorders”* - **Consuelo Walss-Bass, Ph.D.**, Professor and John S. Dunn Foundation Distinguished Chair, Faillace



Department of Psychiatry and Behavioral Sciences, UT Health Science Center - Houston

- *“Depression Research Network in Texas”* - **Madhukar Trivedi, M.D.**, Professor and Founding Director, Center for Depression Research and Clinical Care; Betty Jo Hay Distinguished Chair of Mental Health; Julie K. Hersh Chair for Depression Research and Clinical Care; Chief, Division of Mood Disorders, UT Southwestern Medical Center
- *“Studying the onset of bipolar disorder”* - **Stephen Strakowski, M.D.**, Associate Vice President and Professor, Regional Mental Health, UT Austin

Moderators:

- **Karen D. Wagner, M.D., Ph.D.**, Professor and Titus Harris Chair, Department of Psychiatry and Behavioral Sciences, UT Medical Branch - Galveston
- **Charles Nemeroff, M.D., Ph.D.**, Matthew P. Nemeroff Professor and Chair, Department of Psychiatry & Behavioral Sciences, Dell Medical School, UT Austin

12:45 pm - 01:40 pm **Lunch and Networking**

01:45 pm - 02:45 pm **Neuromodulation/Neuro-rehab**

- *“Clinical Overview of Neuromodulation in the University of Texas System”* - **John Hart, Jr., M.D.**, Distinguished Chair in Neuroscience and Professor of Behavioral and Brain Sciences, UT Dallas; Professor of Neurology and Psychiatry, UT Southwestern Medical Center
- *“Advances in neuromodulation of human movement”* - **Sara J. Hussain, Ph.D.**, Assistant Professor, Department of Kinesiology and Health Education, UT Austin
- *“Brain-Computer Interfaces”* **José del R. Millán, Ph.D.**, Professor, Carol Cockrell Curran Chair in Engineering; Department of Electrical and Computer Engineering, Department of Neurology, UT Austin
- *“Taking Biomedical Devices from Concept to FDA Approval”* - **Michael P. Kilgard, Ph.D.**, Margaret Fonde Jonsson Professor of Neuroscience, Director of the Texas Biomedical Device Center, UT Dallas

Moderators:

- **Nader Pouratian, M.D., Ph.D.**, Professor and Chair, Department of Neurological Surgery, UT Southwestern Medical Center



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- **Nitin Tandon, M.D.**, Professor and Chairman ad interim, Department of Neurosurgery, UT Health Science Center - Houston

02:45 pm - 03:00 pm **Closing Remarks**

- **William Dauer, M.D.**, Professor and Director, Peter O'Donnell Jr. Brain Institute, UT Southwestern Medical Center

*We would like to thank the following organizations for sponsoring the
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