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 Hermann 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 Endodontology, 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
• “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
04:45 pm - 05:00 pm  **Closing Remarks**

- **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

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

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**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
• 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 UT Systemwide Brain Summit:

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The Cain Foundation
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