

# Stanford

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## Teddy J. Akiki, MD

Postdoctoral Medical Fellow, Psychiatry

### Bio

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#### BIO

Teddy Akiki's research is focused on the development of rapid-acting therapeutics for treatment-resistant depression, anxiety, and PTSD (glutamatergic antidepressants such as ketamine, psychedelic compounds, and brain stimulation), precision psychiatry, and understanding the neural underpinnings of trauma- and stress-related disorders (neuroimaging, network neuroscience, computational modeling).

#### HONORS AND AWARDS

- Outstanding Resident Award Program, National Institute of Mental Health (2021)
- Resident-Fellow Research Award, Ohio Psychiatric Physicians Foundation (2020)
- Alies Muskin Career Development Leadership Award, Anxiety and Depression Association of America (2019)
- New Investigator Award, International Society for CNS Clinical Trials and Methodology (2018)
- Young Investigator Award, American Society of Clinical Psychopharmacology (2018)
- Outstanding Contribution in Reviewing, Neuroscience Letters (2016)

#### PROFESSIONAL EDUCATION

- Residency, Stanford University , Psychiatry and Behavioral Sciences (2023)
- Residency, Cleveland Clinic Foundation , Psychiatry (2022)
- Postdoctoral Fellowship, Yale University School of Medicine , Neuroimaging, Network Neuroscience, Psychopharmacology (2019)
- Postdoctoral Fellowship, National Center for PTSD – Clinical Neurosciences Division (2019)
- Doctor of Medicine, American University of Beirut , Medicine (2016)
- Bachelor of Science, American University of Beirut , Biology; Psychology (2012)

#### STANFORD ADVISORS

- Leanne Williams, Postdoctoral Faculty Sponsor

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Depression, PTSD, Glutamatergic Antidepressants (e.g., ketamine), Psychedelics, Multimodal Neuroimaging, Network Neuroscience, Machine Learning/Predictive Modeling, Morphometry

## Publications

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### PUBLICATIONS

- **Bibliometric Analysis of Academic Journal Articles Reporting Results of Psychedelic Clinical Studies** *JOURNAL OF PSYCHOACTIVE DRUGS*  
Weleff, J., Akiki, T. J., Barnett, B. S.  
2022; 1-11
- **At-home, sublingual ketamine telehealth is a safe and effective treatment for moderate to severe anxiety and depression: Findings from a large, prospective, open-label effectiveness trial.** *Journal of affective disorders*  
Hull, T. D., Malgaroli, M., Gazzaley, A., Akiki, T. J., Madan, A., Vando, L., Arden, K., Swain, J., Klotz, M., Paleos, C.  
2022; 314: 59-67
- **The State of the Catatonia Literature: Employing Bibliometric Analysis of Articles From 1965-2020 to Identify Current Research Gaps.** *Journal of the Academy of Consultation-Liaison Psychiatry*  
Weleff, J., Barnett, B. S., Park, D. Y., Akiki, T. J., Aftab, A.  
2022
- **Pretreatment Brain Connectome Fingerprint Predicts Treatment Response in Major Depressive Disorder.** *Chronic stress (Thousand Oaks, Calif.)*  
Fan, S., Nemati, S., Akiki, T. J., Roscoe, J., Averill, C. L., Fouda, S., Averill, L. A., Abdallah, C. G.  
2020; 4: 2470547020984726
- **A Shift in Executive Connectivity Predates and Predicts Response to Treatment in Major Depressive Disorder**  
Nemati, S., Akiki, T., Ju, Y., Averill, C., Fouda, S., Dutta, A., McKie, S., Krystal, J., Deakin, B., Averill, L., Abdallah, C.  
ELSEVIER SCIENCE INC.2020: S107
- **A Unique Brain Connectome Fingerprint Predates and Predicts Response to Antidepressants** *ISCIENCE*  
Nemati, S., Akiki, T. J., Roscoe, J., Ju, Y., Averill, C. L., Fouda, S., Dutta, A., McKie, S., Krystal, J. H., Deakin, J., Averill, L. A., Abdallah, C. G.  
2020; 23 (1): 100800
- **Determining the Hierarchical Architecture of the Human Brain Using Subject-Level Clustering of Functional Networks** *SCIENTIFIC REPORTS*  
Akiki, T. J., Abdallah, C. G.  
2019; 9: 19290
- **Are There Effective Psychopharmacologic Treatments for PTSD?** *JOURNAL OF CLINICAL PSYCHIATRY*  
Akiki, T. J., Abdallah, C. G.  
2019; 80 (3)
- **The Neurobiology and Pharmacotherapy of Posttraumatic Stress Disorder** *ANNUAL REVIEW OF PHARMACOLOGY AND TOXICOLOGY, VOL 59*  
Abdallah, C. G., Averill, L. A., Akiki, T. J., Raza, M., Averill, C. L., Gomaa, H., Adikey, A., Krystal, J. H., Insel, P. A.  
2019; 59: 171-189
- **Neurobiological studies of trauma-related psychopathology: a public health perspective** *EUROPEAN JOURNAL OF PSYCHOTRAUMATOLOGY*  
Akiki, T. J., Averill, L. A., Abdallah, C. G.  
2018; 9 (1): 1556554
- **Altered White Matter Diffusivity of the Cingulum Angular Bundle in Posttraumatic Stress Disorder.** *Molecular neuropsychiatry*  
Averill, C. L., Averill, L. A., Wrocklage, K. M., Scott, J. C., Akiki, T. J., Schweinsburg, B., Southwick, S. M., Krystal, J. H., Abdallah, C. G.  
2018; 4 (2): 75-82
- **Topology of brain functional connectivity networks in posttraumatic stress disorder** *DATA IN BRIEF*  
Akiki, T. J., Averill, C. L., Wrocklage, K. M., Scott, J., Averill, L. A., Schweinsburg, B., Alexander-Bloch, A., Martini, B., Southwick, S. M., Krystal, J. H., Abdallah, C. G.  
2018; 20: 1658-1675
- **Ketamine, but Not the NMDAR Antagonist Lanicemine, Increases Prefrontal Global Connectivity in Depressed Patients.** *Chronic stress (Thousand Oaks, Calif.)*  
Abdallah, C. G., Dutta, A., Averill, C. L., McKie, S., Akiki, T. J., Averill, L. A., Deakin, J. F.  
2018; 2

- **Default mode network abnormalities in posttraumatic stress disorder: A novel network-restricted topology approach** *NEUROIMAGE*  
Akiki, T. J., Averill, C. L., Wrocklage, K. M., Scott, J., Averill, L. A., Schweinsburg, B., Alexander-Bloch, A., Martini, B., Southwick, S. M., Krystal, J. H., Abdallah, C. G.  
2018; 176: 489-498
- **Determining Human Brain Modular Architecture Using Subject-Level Functional Multilayer Networks**  
Akiki, T., Abdallah, C.  
ELSEVIER SCIENCE INC.2018: S297
- **Posttraumatic Stress Disorder and Depression Symptom Severities Are Differentially Associated With Hippocampal Subfield Volume Loss in Combat Veterans.** *Chronic stress (Thousand Oaks, Calif.)*  
Averill, C. L., Satodiya, R. M., Scott, J. C., Wrocklage, K. M., Schweinsburg, B., Averill, L. A., Akiki, T. J., Amoroso, T., Southwick, S. M., Krystal, J. H., Abdallah, C. G.  
2017; 1
- **A Network-Based Neurobiological Model of PTSD: Evidence From Structural and Functional Neuroimaging Studies** *CURRENT PSYCHIATRY REPORTS*  
Akiki, T. J., Averill, C. L., Abdallah, C. G.  
2017; 19 (11): 81
- **The Default Mode Network in Posttraumatic Stress Disorder (PTSD): A Data-Driven Multimodal Approach**  
Akiki, T., Averill, C., Wrocklage, K., Scott, J., Alexander-Bloch, A., Southwick, S., Krystal, J., Abdallah, C.  
ELSEVIER SCIENCE INC.2017: S235
- **Anterior hippocampal dysconnectivity in posttraumatic stress disorder: a dimensional and multimodal approach** *TRANSLATIONAL PSYCHIATRY*  
Abdallah, C. G., Wrocklage, K. M., Averill, C. L., Akiki, T., Schweinsburg, B., Roy, A., Martini, B., Southwick, S. M., Krystal, J. H., Scott, J. C.  
2017; 7: e1045
- **The Association of PTSD Symptom Severity with Localized Hippocampus and Amygdala Abnormalities.** *Chronic stress (Thousand Oaks, Calif.)*  
Akiki, T. J., Averill, C. L., Wrocklage, K. M., Schweinsburg, B., Scott, J. C., Martini, B., Averill, L. A., Southwick, S. M., Krystal, J. H., Abdallah, C. G.  
2017; 1
- **Contrasting Non-Linear Dynamic Analyses of EEG in Alert and Sedated States**  
Akiki, T., Doumit, M., Zaylaa, A., Karameh, F., Nahas, Z.  
NATURE PUBLISHING GROUP.2015: S184