



Camarin Rolle

Clinical Assistant Professor, Psychiatry and Behavioral Sciences

Bio

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Psychiatry and Behavioral Sciences
- Member, Wu Tsai Neurosciences Institute

Teaching

STANFORD ADVISEES

Oscar Mier

Postdoctoral Research Mentor

Derrick Buchanan, Masataka Wada

Publications

PUBLICATIONS

- **Responsive deep brain stimulation guided by ventral striatal electrophysiology of obsession durably ameliorates compulsion.** *Neuron*
Nho, Y. H., Rolle, C. E., Topalovic, U., Shivacharan, R. S., Cunningham, T. N., Hiller, S., Batista, D., Feng, A., Espil, F. M., Kratter, I. H., Bhati, M. T., Kellogg, M., Raslan, et al
2023
- **Accumbens connectivity during deep-brain stimulation differentiates loss of control from physiologic behavioral states.** *Brain stimulation*
Rolle, C. E., Ng, G. Y., Nho, Y. H., Barbosa, D. A., Shivacharan, R. S., Gold, J. I., Bassett, D. S., Halpern, C. H., Buch, V.
2023
- **The Hypothalamus, Nucleus Accumbens, and Hippocampus Demonstrate Increased Delta Band Power and Coherence During Reward Anticipation**
Seilheimer, R., Rolle, C., Vaz, A., Kakusa, B., Huang, Y., Barbosa, D. A. N., Halpern, C.
ELSEVIER SCIENCE INC.2023: S107-S108
- **Appetitive Mapping of the Human Nucleus Accumbens.** *Biological psychiatry*
Parker, J. J., Rolle, C. E., Shivacharan, R. S., Barbosa, D. A., Feng, A., Huang, Y., Kakusa, B. W., Prieto, T., Jaffe, R. A., Williams, N. R., Halpern, C. H.
2022
- **Integrated cognitive and physical fitness training enhances attention abilities in older adults.** *npj aging*
Anguera, J. A., Volponi, J. J., Simon, A. J., Gallen, C. L., Rolle, C. E., Anguera-Singla, R., Pitsch, E. A., Thompson, C. J., Gazzaley, A.
2022; 8 (1): 12
- **Pilot study of responsive nucleus accumbens deep brain stimulation for loss-of-control eating.** *Nature medicine*

Shivacharan, R. S., Rolle, C. E., Barbosa, D. A., Cunningham, T. N., Feng, A., Johnson, N. D., Safer, D. L., Bohon, C., Keller, C., Buch, V. P., Parker, J. J., Azagury, D. E., Tass, et al

2022

- **Functional Connectivity using high density EEG shows competitive reliability and agreement across test/retest sessions.** *Journal of neuroscience methods*
Rolle, C. E., Narayan, M., Wu, W., Toll, R., Johnson, N., Caudle, T., Yan, M., El-Said, D., Waats, M., Eisenberg, M., Etkin, A.
2021: 109424
- **Anterior-posterior electrophysiological activity characterizes Parkinsonian visual misperceptions** *NEUROLOGY AND CLINICAL NEUROSCIENCE*
Muller, A. J., Shine, J. M., Rolle, C. E., Chitty, K., Hall, J. M., Halliday, G. M., Hermens, D. F., Lewis, S. J. G., O'Callaghan, C.
2021
- **Mapping causal circuit dynamics in stroke using simultaneous electroencephalography and transcranial magnetic stimulation.** *BMC neurology*
Rolle, C. E., Baumer, F. M., Jordan, J. T., Berry, K., Garcia, M., Monusko, K., Trivedi, H., Wu, W., Toll, R., Buckwalter, M. S., Lansberg, M., Etkin, A.
2021; 21 (1): 280
- **Neurocognitive markers of passive suicidal ideation in late-life depression.** *International psychogeriatrics*
Jordan, J. T., Chick, C. F., Rolle, C. E., Hantke, N., Gould, C. E., Lutz, J., Kawai, M., Cotto, I., Karna, R., Pirog, S., Berk, M., Sudheimer, K., O'Hara, et al
2020: 1–11
- **An electroencephalographic signature predicts antidepressant response in major depression.** *Nature biotechnology*
Wu, W., Zhang, Y., Jiang, J., Lucas, M. V., Fonzo, G. A., Rolle, C. E., Cooper, C., Chin-Fatt, C., Krepel, N., Cornelssen, C. A., Wright, R., Toll, R. T., Trivedi, et al
2020
- **Cortical Connectivity Moderators of Antidepressant vs Placebo Treatment Response in Major Depressive Disorder: Secondary Analysis of a Randomized Clinical Trial.** *JAMA psychiatry*
Rolle, C. E., Fonzo, G. A., Wu, W., Toll, R., Jha, M. K., Cooper, C., Chin-Fatt, C., Pizzagalli, D. A., Trombello, J. M., Deckersbach, T., Fava, M., Weissman, M. M., Trivedi, et al
2020
- **Cortical Excitability, Synaptic Plasticity, and Cognition in Benign Epilepsy With Centrottemporal Spikes: A Pilot TMS-EMG-EEG Study.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*
Baumer, F. M., Pfeifer, K. n., Fogarty, A. n., Pena-Solorzano, D. n., Rolle, C. E., Wallace, J. L., Rotenberg, A. n., Fisher, R. S.
2020; 37 (2): 170–80
- **REWARD PROCESSING IN DEPRESSED AND OBESE CHILDREN**
Angal, S., Fischer, A. S., Bohon, C., Nimarko, A. F., Rolle, C. E., Lu, Y., Pan, T., Kuramkote, S. R., Rasgon, N. L., Singh, M. K.
ELSEVIER SCIENCE INC.2019: S274
- **Transcranial magnetic stimulation demonstrates a role for the ventrolateral prefrontal cortex in emotion perception.** *Psychiatry research*
Chick, C. F., Rolle, C., Trivedi, H. M., Monuszko, K., Etkin, A.
2019: 112515
- **Causal Role of the Dorsal-Lateral Prefrontal Cortex in Approach-Avoidance Conflict**
Johnson, N., Rolle, C., Caudle, T., Yan, M., Etkin, A.
ELSEVIER SCIENCE INC.2019: S137
- **A "Primate-Approach" to Studying Approach-Avoidance Conflict in Humans**
Rolle, C., Johnson, N., Caudle, T., Yan, M., Etkin, A.
ELSEVIER SCIENCE INC.2019: S140
- **State-Dependency of the Stimulation-Induced Evoked Response in EEG**
Yan, M., Rolle, C., Caudle, T., Johnson, N., Etkin, A.
ELSEVIER SCIENCE INC.2019: S139
- **Closed-loop digital meditation improves sustained attention in young adults.** *Nature human behaviour*

Ziegler, D. A., Simon, A. J., Gallen, C. L., Skinner, S. n., Janowich, J. R., Volponi, J. J., Rolle, C. E., Mishra, J. n., Kornfield, J. n., Anguera, J. A., Gazzaley, A. n.
2019

- **Characterizing Cognitive and Visuomotor Control in Children With Sensory Processing Dysfunction and Autism Spectrum Disorders** *NEUROPSYCHOLOGY*

Brandes-Aitken, A., Anguera, J. A., Rolle, C. E., Desai, S. S., Demopoulos, C., Skinner, S. N., Gazzaley, A., Marco, E. J.
2018; 32 (2): 148–60

- **ARTIST: A fully automated artifact rejection algorithm for single-pulse TMS-EEG data.** *Human brain mapping*

Wu, W. n., Keller, C. J., Rogasch, N. C., Longwell, P. n., Shpigel, E. n., Rolle, C. E., Etkin, A. n.
2018

- **Repetitive Brain Stimulation Induces Long-term Plasticity Across Patient Populations and Spatial Scales**

Keller, C. J., Wu, W., Wright, R., Rolle, C., Sarhadi, K., Ichikawa, N., Huemer, J., Wong, M., Yee, A., McTeague, L., Fini, M., Du, V., Honey, et al
ELSEVIER SCIENCE INC.2016: 276S

- **Neural plasticity underlying visual perceptual learning in aging** *BRAIN RESEARCH*

Mishra, J., Rolle, C., Gazzaley, A.
2015; 1612: 140–51