



Derrick Buchanan

Postdoctoral Scholar, Psychiatry

Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

STANFORD ADVISORS

- Cammie Rolle, Postdoctoral Research Mentor
- Nolan Williams, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Nolan Williams, Brain Stimulation Lab (10/1/2021)

Publications

PUBLICATIONS

- **ACUTE AND LASTING CHANGES IN CORTICAL DYNAMICS AFTER IBOGAINE TREATMENT IN VETERANS WITH TRAUMATIC BRAIN INJURY**
Lissemore, J., Chaiken, A., Cherian, K., Buchanan, D., Espil, F., Keynan, J., Sridhar, M., Rolle, C., Saggar, M., Keller, C., Williams, N.
SPRINGER NATURE.2024: 460
- **Early differences in lassitude predicts outcomes in Stanford Neuromodulation Therapy for difficult to treat depression.** *Npj mental health research*
Benrimoh, D., Azeez, A., Batail, J. M., Xiao, X., Buchanan, D., Bandeira, I. D., Geoly, A., Keynan, Y., Kratter, I. H., Williams, N. R.
2024; 3 (1): 49
- **Strategies to Mitigate Scalp Discomfort during Repetitive Transcranial Magnetic Stimulation.** *Brain stimulation*
Lissemore, J. I., Buchanan, D. M., Batail, J. M., Kaloiani, I., Veerapal, C., Sahlem, G. L., Williams, N. R.
2024
- **Frontostriatal salience network expansion in individuals in depression.** *Nature*
Lynch, C. J., Elbau, I. G., Ng, T., Ayaz, A., Zhu, S., Wolk, D., Manfredi, N., Johnson, M., Chang, M., Chou, J., Summerville, I., Ho, C., Lueckel, et al
2024
- **Should rTMS be considered a first-line treatment for major depressive episodes in adults?** *Clinical neurophysiology : official journal of the International Federation of Clinical Neurophysiology*
O'Sullivan, S. J., Buchanan, D. M., Batail, J. V., Williams, N. R.
2024; 165: 76-87
- **Transcranial magnetic stimulation as a countermeasure for behavioral and neuropsychological risks of long-duration and deep-space missions.** *NPJ microgravity*

Faerman, A., Buchanan, D. M., Williams, N. R.
2024; 10 (1): 58

● **An ART Tour de Force on Mental Imagery: Vividness, Individual Bias Differences, and Complementary Visual Processing Streams** *INFORMATION*

D'Angiulli, A., Laarakker, C., Buchanan, D.
2024; 15 (1)

● **Safety and Tolerability of tDCS across Different Ages, Sexes, Diagnoses, and Amperages: A Randomized Double-Blind Controlled Study.** *Journal of clinical medicine*

Buchanan, D. M., Amare, S., Gaumont, G., D'Angiulli, A., Robaey, P.
2023; 12 (13)

● **Taking modern psychiatry into the metaverse: Integrating augmented, virtual, and mixed reality technologies into psychiatric care.** *Frontiers in digital health*

Ford, T. J., Buchanan, D. M., Azeez, A., Benrimoh, D. A., Kaloiani, I., Bandeira, I. D., Hunegnaw, S., Lan, L., Gholmieh, M., Buch, V., Williams, N. R.
2023; 5: 1146806

● **Promise for Personalized Diagnosis? Assessing the Precision of Wireless Consumer-Grade Electroencephalography across Mental States** *APPLIED SCIENCES-BASEL*

D'Angiulli, A., Lockman-Dufour, G., Buchanan, D.
2022; 12 (13)

● **Acceptability of transcranial direct current stimulation in children and adolescents with ADHD: The point of view of parents** *JOURNAL OF HEALTH PSYCHOLOGY*

Buchanan, D., D'Angiulli, A., Samson, A., Maisonneuve, A. R., Robaey, P.
2022; 27 (1): 36-46