August 16th, 2024

Dear Dr. Krystal,

We would like to thank you for the opportunity to transfer our manuscript entitled ‘Multivariate Association between Functional Connectivity Gradients and Cognition in Schizophrenia Spectrum Disorders’ for consideration in *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. We would also like to thank the Reviewers for taking the time to provide thorough and insightful comments on our manuscript. We appreciate the opportunity to respond to these constructive comments and submit a revised manuscript for consideration.

While responding to one of our reviewers’ questions, we made a final audit of the data and discovered that one participant in the original sample did not meet the inclusion criteria due to their diagnosis. This person was thus removed from this revision, and the results were edited accordingly. This change did not impact the significance (and non-significance) of any of the analyses. The resulting changes were marked in blue in the manuscript. In our response, we address each of the Reviewers’ comments (reviewer comments are in *italics* and our responses are in blue regular font). We have also incorporated changes in the manuscript based on these comments, which appear in red font. We think that the manuscript is improved in both clarity and focus based on the Reviewers’ comments.

Sincerely,

Ju-Chi Yu, Ph.D. & Erin W. Dickie, Ph.D.

Centre for Addiction and Mental Health

250 College Street, Toronto, ON, Canada M5T 1R8

E-mail: [Ju-Chi.Yu@camh.ca](mailto:Ju-Chi.Yu@camh.ca), [Erin.Dickie@camh.ca](mailto:Erin.Dickie@camh.ca)