



Heather McNeely, PhD, CPsych



HEALTH SCIENCES
Psychiatry & Behavioural
Neurosciences

Research Work

Dr. McNeely is an Associate Professor, Academic Lead for the Schizophrenia Division, Director of Interprofessional Faculty Development and Clinical Lead for Neuropsychology at St. Joseph's Healthcare Hamilton and Department of Psychiatry and Behavioural Neurosciences, McMaster University. She completed her Ph.D. in Psychology at the University of Waterloo, followed by a postdoctoral fellowship in the Schizophrenia Division at the Centre for Addiction and Mental Health and in the ERP Lab at the Rotman Research Institute. She started her career as a clinical scientist in the Mood & Anxiety Division at CAMH where her work focused on biomarkers of cognitive inhibition in schizophrenia and depression, and where she was involved in the proof of principle study evaluating safety and efficacy of Deep Brain Stimulation (DBS) for treatment resistant depression. Dr. McNeely's current research interests focus on social cognition, personality and neurobiological mechanisms underlying functional outcome and treatment response in severe mental illness. She currently supervises a small team of graduate and undergraduate students in both the schizophrenia and neuropsychology labs and has active collaborations with a number of faculty within the department.

Current Research Projects Include:

- Investigating the Impact of Integrated Neurocognitive Therapy (INT) on the Quality of Life and Recovery of Persons with Schizophrenia
- Investigating Determinants of Social, Behavioural, and Cognitive Outcomes in Adults with Schizophrenia: Links to Quality of Life
- ECT Mood and Cognition Database
- Evaluation of various educational events/ trainings

Engagement Opportunities:

Introductory Level

- Literature search
- Data extraction from health record
- Survey data collection
- Data entry in Excel

Intermediate Level

- Descriptive data analysis
- Basic statistical analysis (e.g, t-tests, ANOVA)
- Compute standardized medication conversions (e.g., chlorpromazine equivalents)
- Prepare research poster

Advanced Level

- Enrolling patient participants
- Consenting participants
- Testing/ interviewing participants
- Advanced statistics with SPSS
- Writing research article

If you are interested in learning more, please leave your contact information with the Research Office and/or contact Dr. McNeely at hmcneely@stjoes.ca