

CURRENT POSITIONS

Primary Appointment:

Professor (1 July 2016)

Department of Psychology, Queen's University

Other Appointments:

Head Consulting Psychologist, Heads Up! Early Intervention for Psychosis Program, Kingston, ON

Pharmacological and Behavioral Treatment of Cognitive Deficits and Affective Biases

LICENSE

New York State Licensed Psychologist #016712-1

College of Psychologists of Ontario, Certificate in Clinical Psychology (Certificate Number 4913)

EDUCATION

Hofstra University, Clinical/School Psychology

M.A. AvÍ êQ.Ë , Í Ù ë " <Ñ¡"! #.0Îa. JZ ' # , . .Ñ!*"Ñà Ã59.#¿. ,5"!#Ã%'W5Ñç"#—â

Melissa Milanovic, Clinical Psychology, Queen's University, 2016, M.Sc. Thesis: *Self-efficacy in depression: bridging the gap between competence and real-world functioning*

Tanya Tran, Clinical Psychology, Queen's University, 2017, M.Sc.: *Effort-based Decision Making in Behavioral and Cognitive Challenges as Predictors of Functioning in Major Depression*

Stephanie Woolridge, Clinical Psychology, Queen's University, 2019, M.Sc.Thesis: *Reducing diagnostic uncertainty in first-episode psychosis: a neuropsychological approach to differentiating between cannabis-induced and primary psychotic disorders.*

Cheslea Wood-Ross, Clinical Psychology, Queen's University, 2020, M.Sc.: *Cognitive performance in geriatric depression: examining the sensitivity of clinical neuropsychological and experimental working memory tasks.*

Lindsay Simourd, Clinical Psychology, Queen's University, 2023, M.Sc:

External Examiner

Margarita Bougioukas, w [(Jae9k-(lm)-2(i)-2((i)-2cM)-1(a4(lm)-2 P)-1(s4(ycM)-1holm)-2ogy,)]TJ fttrU(i)-2ves

2017

Stephanie Woolridge, Queen's University: *Look on the bright side: Affective attentional bias training in depression*

Chelsea Wood-Ross, Queen's University: *Cognitive Training in Major Depressive Disorder: An investigation of cognitive engagement and perceived self-efficacy*

2018

Lilian J.C. Laferriere, Queen's University: *The Impact of Napping on the Consolidation of Clinically-Relevant Information: A Comparison of Depressed and Healthy Individuals*

Jessie Leigh Eriksen, Queen's University: *A Comparison of Reading Ability in First-Episode Psychosis and Developmental Dyslexia: Evidence for a Differential Diagnosis*

~~Amel H. Hagen, Queen's University: *The Effects of Computerized Self-Training on Difficulties in*~~

18. Rieckmann N, Reichenberg A, Bowie CR, Parrella M, White L, Harvey PD. Depressed Mood and Its Functional Correlates in Institutionalized Schizophrenia Patients.

30. Bowie CR & Harvey PD. Administration and interpretation of the trail making test. Nature Protocols, 2006, 1, 2277-2281. **(1075)**
31. Harvey PD, Reichenberg A, Bowie C. Cognition and aging in psychopathology: focus on schizophrenia and depression. Annual Review of Clinical Psychology, 2006, 2, 389-409. **(60)**
32. McClure MM, Zegarelli G, Bowie CR, Mitropoulou V, Siever LJ, Harvey PD. Cognitive impairment in the schizophrenia spectrum: What is the evidence for similarity to schizophrenia? Current Psychosis and Therapeutics Reports, 2006, 4, 128-133.
33. McClure MM, Bowie CR, Patterson TL, Heaton RK, Weaver C, Anderson H, Harvey PD. Correlations of functional capacity and neuropsychological performance in older patients with schizophrenia: evidence for specificity of relationships? Schizophrenia Research, 2007, 89, 330-338. **(194)**
34. McClure MM, Bowie CR, Siever L, Harvey PD. Visual-Spatial Learning and Memory in Schizotypal Personality Disorder: Continued Evidence for the Importance of Working Memory in the Schizophrenia Spectrum. Archives of Clinical Neuropsychology, 2007, 22, 109-116. **(56)**
35. Bowie CR & Jaga K. Methods for treating cognitive deficits in schizophrenia. Expert Review of Neurotherapeutics, 2007, 7, 281-287. **(20)**
36. Buckley PF, Harvey PD, Bowie CR, Loebel A. The relationship between symptomatic remission and neuropsychological improvement in schizophrenia patients switched to treatment with ziprasidone. Schizophrenia Research, 2007, 94, 99-106. **(66)**
37. Bowie CR, Twamley EW, Anderson H, Halpern B, Patterson T & Harvey PD. Self-assessment of functional status in schizophrenia. Journal of Psychiatric Research, 2007, 41, 1012-1018. **(274)**
38. Mausbach BT, Bowie CR, Harvey PD, Twamley EW, Goldman SR, Jeste DV, Patterson TL. Usefulness of the UCSD Performance-based Skills Assessment (UPSA) for predicting residential independence in patients with chronic schizophrenia. Journal of Psychiatric Research. 2008, 42, 320-327. **(143)**
39. Bowie CR, Leung WL, Reichenberg A, McClure MM, Patterson TL, Heaton RK, Harvey PD. Predicting Schizophrenia Patients' Real-World Behavior with Specific Neuropsychological and Functional Capacity Measures. B7 36Fchizosiic-2(e)0 TwP(L)1(.1(e-2(61(c(iia)-1(6.9y 15.915 0 Td (-8.6

43. Bowie CR, Harvey PD. Communication Abnormalities Predict Functional Outcomes in Chronic

78. Bowie CR, Gupta M, Holshausen K, Jokic R, Best, M, Milev, R. Cognitive remediation for treatment resistant depression: Effects on cognition and functioning and the role of online homework. Journal of Nervous and Mental Disorders, 2013, 201, 680-685. **(158)**
79. McClure MM, Harvey PD, Bowie CR, Iacoviello B, Siever LJ. Functional outcomes, functional capacity, and cognitive impairment in schizotypal personality disorder. Schizophrenia Research, 2013, 144, 146-150. **(62)**
80. Gupta M, Holshausen K, Best M, Jokic R, Milev R, Bernard T, Gou L, Bowie CR*. Relationships among neurocognition, symptoms, functioning in treatment-resistant depression. Archives of Clinical Neuropsychology, 2013, 28, 272-281. **(51)**
81. Best MW, Fitzpatrick M, Milev R, Bowie CR, Jokic R. Utility of the Berlin questionnaire for predicting obstructive sleep apnea in individuals with treatment-resistant depression. Sleep and Breathing, 2013, 17, 1221-1227. **(22)**
82. Iftene F, Bowie CR, Milev R, Hawken E, Talikowska-Szymczak E, Potopsingh D, Hanna S, Mulroy J, Groll D, Millson R. Identification of primary polydipsia in a severe and persistent mental illness outpatient population: A prospective observational study. Psychiatry Research, 2013, 210, 679-683. **(29)**
83. Porter RJ, Bowie CR, Jordan J, Malhi G. Cognitive remediation as a treatment for major depression – a rationale, review of evidence, and recommendations for future research. Australia and New Zealand Journal of Psychiatry, 2013, 47, 1165-1175. **(105)**
84. Ho J, Moore R, Cardenas V, Bowie CR, Patterson TL, Mausbach, BT. Direct and mediated effects of cognitive function with multidimensional outcome measures in schizophrenia: The role of functional capacity. Journal of Clinical and Experimental Neuropsychology, 2013, 35(8), 882-895. **(12)**
85. Chengappa KNR, Bowie CR, Schlicht PJ, Fleet D, Brar JS, Jindal R. Randomized placebo-controlled adjunctive study of an extract of *Withania somnifera* for cognitive dysfunction in bipolar disorder. J Clin Psychiatry, 2013, 74(11), 0-0. **(113)**
86. Harvey PD & Bowie CR. Improving cognition in schizophrenia: Pharmacological and cognitive remediation approaches. Minerva Psichiatrica, 2013, 54, 1-13. **(3)**
87. Best MW, Gupta M, Bowie CR*, Harvey PD. A longitudinal examination of the moderating effects of symptoms on the relationship between functional competence and real world functional performance in schizophrenia. Schizophrenia Research: Cognition, 2014, 1(2), 90-95. **(44)**
88. Reichenberg, A, Feo, C, Prestia, D, Bowie, CR, Patterson, TL, Harvey, PD. The course and

90. Lepage M, Bodnar M, Bowie CR. Neurocognition: clinical and functional outcomes in schizophrenia. Canadian Journal of Psychiatry, 2014, 59, 5-12. **(290)**
 91. Bowie CR, Grossman M, Gupta M, Oyewumi LK, Harvey PD. Cognitive remediation in schizophrenia: efficacy and effectiveness in patients with early versus long-term course of illness. Early Intervention in Psychiatry, 2014, 8, 32-38. **(138)**
 92. Holshausen K, Bowie CR*, Mausbach BT, Patterson TL, Harvey PD. Neurocognition, functional capacity, and functional outcomes: The cost of inexperience. Schizophrenia Research, 2014, 152, 430-434. **(55)**
 93. Holshausen, K, Harvey, PD, Elvevåg, B, Foltz, PW, Bowie, CR*. Latent semantic variables are associated with formal thought disorder and adaptive behavior in older inpatients with schizophrenia. Cortex, 2014, 55, 88-96. **(78)**
 94. Gupta, M, Holshausen, K, Gou L, Bowie, CR*. Measuring negative symptom change in schizophrenia: considering alternatives to self-report. Expert Rev Neurother, 2014, 14(8), 911-922. **(5)**
 95. Heenan, A, Best, MW, Oullette, SJ, Meiklejohn, E, Troje, NF, Bowie, CR*. Assessing threat responses towards the symptoms and diagnosis of schizophrenia using visual perceptual biases. Schizophrenia Research, 2014, 159, 238-242. **(7)**
- A9>>BD15 Td [(r)-

102. Golas, AC, Kalache, SM, Tsoutsoulas, C, Mulsant, BH, Bowie, CR, Rajji, TK. Cognitive remediation for older community-dwelling individuals with schizophrenia: A pilot and feasibility study. International Journal of Geriatric Psychiatry, 2015, 30(11), 1129-1134. **(10)**
103. Moore, RC, Harmell, AL, Harvey, PD, Bowie, CR, Depp, C, Pulver, AE, McGrath, JA, Patterson, TL, Cardenas, V, Wolyniec, P, Thornquist, MH, Luke, JR, Palmer, BW, Jeste, DV, & Mausbach, BT (2015). Improving the understanding of the link between cognition and functional capacity in schizophrenia and bipolar disorder. Schizophrenia Research, 2015, 169, 121-127. **(19)**

113. *Grossman M, Bowie CR, Lepage M, Malla AK, Joober R, Iyer SN. Smoking status and its relationship to demographic and clinical characteristics in first episode psychosis. Journal of Psychiatric Research, 2017, 85, 83-90. (19)*
114. *Porter RJ, Hammar A, Beevers CG, Bowie CR, Nodtvedt OO, Peckham AD, Siegle GJ, Tharp JA, Ueland T, Vinogradov S, Johnson SL. Cognitive and affective remediation training for mood disorders. Australia and New Zealand Journal of Psychiatry, 2017, 51(4), 317-319. (11)*
115. *Benoit A, Bowie CR, Lepage M. Is cognitive insight relevant to functional capacity in schizophrenia? Schizophrenia Research, 2017, 184, 150-151. (5)*
116. *Bowie CR, Grossman M, Gupta M, Holshausen K, Best MW. Action-based cognitive remediation for individuals with serious mental illnesses: Effects of real-world simulations and goal setting on functional and vocational outcomes. Psychiatric Rehabilitation Journal, 2017, 40(1), 53-60. (65)*
117. *Best MW, Bowie CR*. A Review of Cognitive Remediation Approaches for Schizophrenia:*

effects on neurophysiology, neurocognition, and functioning. American Journal of Psychiatry. 2019, 176(4), 297-306. (33)

137. Fischer CE, Kortebi I, Karamah WK, Kumar S, Gallagher D, Golas A, Munoz D, Barfett J, Butters MA, Bowie CR, Flint A, Rajji T, Herrmann N, Pollock B, Mulsant B, Schweizer TA, Mah L, and the PACT-MD Study Group. Examining the link between cardiovascular risk factors and neuropsychiatric symptoms in mild cognitive impairment and major depressive disorder in remission. Journal of Alzheimer's Disease, 2019, 67(4), 1305-1311. (9)
138. Harvey PD, Bowie CR, McDonald S, Podhorna J. Evaluation of the efficacy of BI 425809 pharmacotherapy in patients with schizophrenia receiving computerized cognitive training: Methodology for a double-blind, randomized, parallel-group trial. 3rd Annual Meeting of the Society for Neuroscience (November 2019)

- Rheenen TE, Vieta E. Affective cognition in bipolar disorder: A systematic review by the ISBD targeting cognition task force. Bipolar Disorders, 2019, 21(8), 686-719. **(66)**
147. Gough N, Brkan L, Subramaniam P, Chiuccariello L, De Petrillo A, Mulsant BH, Bowie CR, Rajji TK. Feasibility of remotely supervised transcranial direct current stimulation and cognitive remediation: A systematic review. PloS One, 2020, 15(2), e0223029. **(22)**
148. *Best MW, Milanovic M, Tran T, Leung P, Jackowich R, Gauvin S, Leibovitz T*, Bowie CR. Motivation and engagement during cognitive training for schizophrenia spectrum disorders.

158. Allott, K., van-der-EL, K., Bryce, S., Parrish, E.M., McGurk, S.R., Hetrick, S., Bowie, C.R., Kidd, S., Hamilton, M., Killackey, E., & Velligan, D.

168. Woolridge SM, Harrison GW, Best MW, Bowie CR. Attention bias modification in depression: A randomized trial using a novel, reward-based, eye-tracking approach. Journal of Behavior Therapy and Experimental Psychiatry, 2021, 71, 101621. (14)
169. VanDyke DJ, Zimmerman T, Vanrooy T, Milanovic M, Bowie CR. Seeing the bigger picture: A lesson for accessible treatment design. Canadian Journal of Community Mental Health, 2021, 39(3), 89-92.
170. Williams RS, Virdee GK, Bowie CR, Velligan DI, Maples NJ, Herman Y, Kidd SA. Development and feasibility explo

179.

188. Best MW, Bowie CR. Social exclusion in psychotic disorders: An interactional processing model. Schizophrenia Research. 2022 Jun 1;244:91-100..
189. Soffer M, Melichercik A, Herrmann N, Bowie CR, Fischer CE, Flint AJ, Kumar S, Lanctôt KL, Mah L, Mulsant BH, Ovaysikia S. Time setting errors in the Clock Drawing Test are associated with both semantic and executive deficits. Applied Neuropsychology: Adult. 2022 Jan 4:1-0.
190. Lavigne KM, Sauvé G, Raucher-Chéné D, Guimond S, Lecomte T, Bowie CR, Menon M, Lal S, Woodward TS, Bodnar MD, Lepage M. Remote cognitive assessment in severe mental illness: a scoping review. Schizophrenia. 2022 Mar 5;8(1):14
191. OLVNRZLDN .: 6HHEHUUJ , -HQVHQ 0% %DODQji(ODUWtQHJ
Carvalho AF, Dols A, Douglas K, Gallagher P, Hasler G. Randomised controlled cognition trials in remitted patients with mood disorders published between 2015 and 2021: A systematic review by the International Society for Bipolar Disorders Targeting Cognition Task Force. Bipolar Disorders. 2022 Jun;24(4):354-74.
192. Rashidi-Ranjbar N, Rajji TK, Hawco C, Kumar S, Herrmann N, Mah L, Flint AJ, Fischer CE, Butters MA, Pollock BG, Dickie EW. Association of functional connectivity of the executive control network or default mode network with cognitive impairment in older adults with remitted major depressive disorder or mild cognitive impairment. Neuropsychopharmacology. 2023 Feb;48(3):468-77..
193. Chow TK, Bowie CR, Morton M, Lalovic A, McInerney SJ, Rizvi SJ. Contributors to functional impairment in major depressive disorders: a biopsychosocial approach. Current Behavioral Neuroscience Reports, In Press.
194. Romanowska S, Best MW, Bowie CR, Depp CA, Patterson TL, Penn DL, Pinkham AE, Harvey PD. Examining the association of life course neurocognitive ability with real-world functioning in schizophrenia-spectrum disorders. Schizophrenia Research: Cognition, In Press.
195. Woolridge S, Wood-Ross C, Voleti R, Harrison GW, Berisha V, Bowie CR. A neuropsychological approach to differentiating between cannabis-induced and primary psychotic disorders. Early Intervention in Psychiatry, 2023, 17, 564-72.
196. OLVNRZLDN .: <DOLQ 1 6HHEHUUJ , %XUGLFN .(%DODQji
Carvalho AF, Dols A, Douglas K, Gallagher P. Can magnetic resonance imaging enhance the assessment of potential new treatments for cognitive impairment in mood disorders? A systematic review and position paper by the International Society for Bipolar Disorders Targeting Cognition Task Force. Bipolar Disorders. 2022 Sep;24(6):615-36.
197. Murphy C, Hogarth J, Reynolds K, Wood-Ross C, Vanrooy T, Bowie CR. Implementation of Action-Based Cognitive Remediation in First Episode Psychosis: A Multi-Method Evaluation of Feasibility and Efficacy. Canadian Journal of Community Mental Health, 2023, 42, 33-51.
198. Wood-Ross C, Tran T, Milanovic M, Jokic R, Milev R, Bowie CR. Neurocognition and Depressive Symptoms have Unique Pathways to Predicting Different Domains of Functioning in Major Depressive Disorder. Canadian Journal of Psychiatry, 2023 Apr;68(4):241-8.

209. Rajji T, Brooks H, Wang W, Zomorodi, Blumberger D, Bowie C, et al. Cognitive Function based on Theta-Gamma Coupling vs. Clinical Diagnosis in Older Adults with Mild Cognitive Impairment with or without Major Depressive Disorder. Translational Psychiatry, In Press
210. Marawi T, Zhukovsky P, Brooks H, Bowie CR, et al. Heterogeneity of Cognition in Older Adults with Remitted Major Depressive Disorder: A Latent Profile Analysis. American Journal of Geriatric Psychiatry, In Press.

B OOK1(e)0.9(r)]TJ 0 SDC 7.64 Tf 1.875 0 28.731 Tf 1.875 0 2.621 Tf 1.875 0 3Tj 14.245 0 TT scn 90

Changes in dimensions of negative symptoms differentially predict self-rated and observer-rated functional outcomes following cognitive remediation. Symposium. Schizophrenia International Research Society, Florence, Italy, 4 April 2016

Cognitive remediation for psychosis: which approaches produce effective and sustained behavior change? Invited Talk. Cognition Conference: Schizophrenia International Research Society, Florence, Italy, 1 April 2016

Functioning in Depression: Cognition, Competence, & Everyday Outcomes. Invited Clinical Rounds. St. Joseph's Hospital, Hamilton ON. 16 June 2016.

Cognition in Severe Mental Illness: Implications for Functioning and New Treatment Options. Invited Clinical Rounds. London Health Sciences Centre, London, ON. 5 Feb 2016.

Cognitive Remediation. Invited Workshop. Crisis Workers Society of Ontario. May 2015

Cognitive Remediation to Promote Recovery: Innovative Models from Canada, France, and the New York State Office of Mental Health. Workshop, American Psychiatric Association, May, 2015

Cognitive Impairments in Severe Mental Illness: Implications and Treatment. Invited Psychology Department Talk. National University of Ireland, Galway, March, 2015

Cognitive Impairments in Severe Mental Illness: Implications and Treatment. Invited Psychology Department Talk. University of Limerick, April, 2015

Cognitive Remediation in Depression. Invited Talk. Institute of Medicine Workshop on Enabling Discovery, Development, and Translation of Treatments for Cognitive Dysfunction in Depression, Washington, D.C., February, 2015

Enhancing Cognition and Function in Older Patients with Serious Mental Illness: A Focus on Cognitive-Behavioural Therapy and Skills Training. Workshop, Center for Addiction and Mental Health, Toronto, ON, 10 Oct 2014.

Premorbid Adjustment and Current Societal Factors Contribute to the Prediction of Functional Outcome in Schizophrenia. Symposium Session, Society for Research in Psychopathology, Evanston, IL, 19 Sept 2014.

Cognition in Bipolar Disorder: Profile of Impairment and Strategies for Treatment. Invited Talk, Sunnybrook Hospital, Toronto, ON, 19 August 2014.

Cognitive Remediation: New Methods for Improving Functioning and Reaching Underserved Populations. Invited Talk, Douglas Institute, Montreal, QC, 26 Jun 2014.

Rehabilitation of the Patient with Schizophrenia. Invited Talk, Fundacion Cerebro y Mente Conference, Madrid, Spain, 21 Jun 2014.

Cognitive Remediation Methods to Enhance Functional Outcomes. Invited Plenary Talk, Cognitive Remediation in Psychiatry Conference, New York, 6 Jun 2014.

Early Intervention Programs should not Discourage Struggle and Failure: They are Developmentally Typical and Critical Experiences. Invited Talk, Queen's University Department of Psychiatry Research Day, Kingston, ON, 30 May 2014.

The Experience of Psychosis across Mental Disorders. Invited Talk, Educational Workshop Presented by the Centre for Abuse and Trauma Therapy, Kingston, ON, 23 May 2014.

Functional Capacity Measures. Invited Talk, The International Society for CNS Clinical Trials and Methodology, 20 March 2014.

Selecting Patients for Cognitive Treatment Trials. Invited Talk, The International Society for CNS Clinical Trials and Methodology, 20 March 2014.

“Raising the Bar” Moving Beyond Symptom Reduction and Targeting Everyday Functioning as the Barometer for Treatment Success in Mental Disorders. Invited Talk, Healthy Minds Canada, Kingston ON, Sept 2012.

Neurocognitive Enhancement for Treatment-Resistant Depression: Efficacy, Effectiveness, and the Role of Internet-Based Homework. Invited Talk, Cognitive Remediation in Psychiatry Conference, June 2012.

Cognitive Remediation for Treatment Resistant Depression. Invited Talk, Psychiatry Research Day, Queen's University, Kingston, ON, June 2012.

Cognitive Remediation in Schizophrenia: Maximizing Efficacy and Promoting Effectiveness. Invited Talk, Centre for Addiction and Mental Health, Toronto, April, 2012.

Incorporating Cognitive-Behavioural Techniques into Cognitive Remediation Therapy. Workshop Presented at Cognitive Remediation in Psychiatry. New York, June 10, 2011.

Self-reported Quality of Life and Clinician-Reported Functioning in Schizophrenia: Interrelationships and Sensitivity to Neurocognitive Change. The International Congress on Schizophrenia Research. Symposium Presentation. Colorado Springs, April 6, 2011.

Cognition in Schizophrenia and Bipolar Disorder as a Function of Psychosis Status. Cognition Satellite Conference of the International Congress on Schizophrenia Research. Oral Session. Colorado Springs, April 1, 2011.

Cognitive Remediation in Schizophrenia: Challenges in Generalizing Neurocognitive Enhancement to Everyday Behavior Change. Winter Conference on Brain Research. Symposium Session. January 24, 2011.

Neurocognitive Enhancement in Schizophrenia: Generalization to Real World Disability Reduction? Invited Speaker. Cognitive Remediation in Psychiatry. Invited Speaker. June, 2010.

Prediction and Treatment of Real World Functional Impairments in Schizophrenia. International Conference on Handicap Psychique [MENTAL DISABILITY], *Real-World Functioning* et Retablissement [RECOVERY],

Functional Disability as a Treatment Target in Psychotic Disorders. Zucker Hillside Hospital, April, 2010. Grand Rounds.

Assessing and Predicting Social versus Adaptive Impairments in Schizophrenia. Zucker Hillside Hospital. April 2010. Research Symposium.

Direct and Indirect Predictors of Real World Outcomes in Bipolar Disorder and Schizophrenia. Society for Research in Psychopathology. Symposium. September, 2009.

Assessment of Disability in Asian Clinical Trials. National Clinical Drug Evaluation Unit. Panel Discussion, May, 2009.

Preparing for the Academic Job Market. Society for Research in Psychopathology. Panel Discussion. September, 2008.

Correlates of Lifetime Work Outcomes in Schizophrenia. Society for Research in Psychopathology. Paper Session. September, 2008.

Cognition and Functional Outcomes in Schizophrenia. University of Medicine and Dentistry of New Jersey. Grand Rounds, November, 2007.

This study examine the effectiveness of two online interventions (ABCR and MCT) on multiple dimensions of mental health and functioning and also evaluate the implementation of such online interventions across multiple care settings.

Role: Principle Applicant

Total Direct Costs: 852,976 CAD

2. Canadian Institutes of Health Research

March 2023-March 2024

Engaging Stakeholders in the Development of Standards for a Canadian Rapid Learning Health System in Early Intervention Services for Psychosis

Role: Co-Applicant

Total Direct Costs: 200,000 CAD

3. Canadian Institutes of Health Research

July 2022-July 2027

Efficacy of Combined Cognitive Behavioural Therapy and Cognitive Remediation Therapy for Schizophrenia-Spectrum Disorders: A Randomized Controlled Trial

We are examining the independent and combined effects of two psychological interventions for psychosis in a five site trial.

Role: Local Principal Investigator (M. Best, Study Principal Investigator)

Total Direct Costs: 956,250 CAD

4. Canadian Institutes of Health Research Planning and Dissemination Grant

July 2022-July 2023

Engaging Stakeholders in Establishing Evaluation Priorities for Early Psychosis Intervention Services

Role: Co-Investigator (A. Polillo, J. Durbin, N Kozloff, PIs)

Total Direct Costs: 10,000 CAD

5. Canadian Institutes of Health Research

April 2020-March 2025

Functional Improvement and Recurrence Risk after First Episode Depression: Independent and Interactive Roles of Premorbid Factors, Cognition, Reward, and Stress

This study is examining how early adverse experiences, cognitive ability, cognitive effort, and reward processing are associated with recovery of daily living skills and episode recurrence in a 2 year period following first episode depression.

Role: Principal Investigator

Total Direct Costs: 673,200 CAD

6. Mental Health Research Canada

April 2020-April 2022

Effectiveness of a Self-Stigma Therapy for Reducing Suicidal Thoughts and Behaviours in Early Psychosis.

This five site trial will examine post-treatment and one-year follow-up effects of a group therapy for self stigma on mood, hopelessness, and suicidal thoughts and behaviours in early psychosis.

Role: Principal Investigator

Total Direct Costs: 50,000 CAD

7. Canadian Institutes of Health Research

April 2019-March 2024

Enhancing Frontal Lobes Plasticity and Function in Patients with Mild Cognitive Impairment

This study is examining how neurostimulation can affect cognitive functioning in patients at-risk for dementia.

Role: Co-Investigator (Tarek Rajji, PI)

Total Direct Costs: 707,625 CAD

8. Brain Canada, Famille Chagnon: Interventions for Prevention of

May 2014-May 2019; 5-year extension awarded to 2024

Alzheimer Disease and Related Disorders: Multi-Investigator Research Initiative.

Prevention of Alzheimer's Dementia in high risk population: A randomized controlled trial of a combination of cognitive training and brain stimulation

This study pairs the cognitive training I have developed with Transcranial Direct Current Stimulation in an older sample at risk for dementia.

Role: Co-Investigator; Lead Investigator: Cognitive Remediation; Lead Investigator: Cognitive Assessment

Overall PIs: Tarek Rajji & Benoit Mulsant

Total Direct Costs: 9,996,087 CAD

9. First Episode Psychosis Program, Hotel Dieu Hospital

April 2010 – Annual Renewal

Contract

Role: Principal Investigator

Total Direct Costs per year: 56,000 CAD

COMPLETED RESEARCH SUPPORT

Role: Local Principal Investigator

Total Direct Costs: 17,380 USD

3. NIMH MH 36692

June 2007-May 2012

Silvio Conte Neuroscience Center: White Matter Abnormalities in Schizophrenia

This was a Conte Neuroscience Center grant that supported research on clinical characteristics and post-mortem neuropathology of schizophrenia.

Role: Co-Investigator, Lead for Clinical Assessment

Total Direct Costs: 7,560,505 USD

4. NIMH MH 63116

April 2003-March 2009

Course of Functional Deficits in Elderly Schizophrenics

This was a study of the course of functional deficits in older community dwelling patients with schizophrenia. Older patients were followed with performance-based measures of functional skills and cognitive assessments.

Role: Co-Investigator

Total Direct Costs: 1,125,000 USD

5. United States Department of Defense GW060048

June 2007-June 2011

A randomized, double-blind, placebo-controlled crossover trial of mifepristone in gulf war veterans with chronic multisymptom illness.

Changes in cognitive, behavioral, and medical symptoms were examined with the use of a glucocorticoid receptor antagonist in gulf war veterans with chronic multisymptom illness.

Role: Co-Investigator

Total Direct Costs: 680,000 USD

6 . NARSAD

June 2007-June 2010

Specificity and Generalizability of Cognitive Remediation and Functional Skills Acquisition Training in Schizophrenia

The goal of this project was to assess whether improvement from two behavioral treatments are restricted to the domain they target or generalize to other areas of functioning, as well as to determine whether they are more effective when used sequentially.

Role: Principal Investigator

Total Direct Costs: 60,000 USD

7. NIMH MH

May 2007-April 2013

Chronic Psychiatric Disorders: Linking Genes to Functional Outcomes

The goal of this study was to identify associations among candidate genes in bipolar disorder and schizophrenia with impairments in functional capacity and functional outcomes.

Role: Local Principal Investigator

Total Direct Costs: 128,650 USD

8. Canadian Foundation for Innovation

December 2008-December 2016

Flourish student mental health research: Pathways to mental health and academic outcomes in undergraduate university students

This study is investigating the development of academic and mental health issues during first year of University.

Role: Principal Investigator (with Anne Duffy, Co-PI)

Total Direct Costs: 79,890

16. Takeda/Lundbeck Investigator Initiated Sponsored Research

September 2015-September 2019

Remediation of Age-Related Cognitive Decline: Vortioxetine and Cognitive Training

This study aims to examine whether computerized cognitive training in combination with vortioxetine improves cognitive abilities in older individuals.

Role: *Co-Investigator; Site Principal Investigator (Study Principal Investigator: Eric Lenze)*

Total Direct Costs: 600,000 USD

17. Healthy Minds Canada/Sun Life Financial/Pfizer Canada Research Grant

May 2014-May 2018

Action-Based Cognitive Remediation to Improve Vocational Outcomes in Depression

This study examines the effects of a novel cognitive remediation treatment that combines simulated work situations with cognitive activation and strategy development.

Role: *Principal Investigator*

Total Direct Costs: 98,400 CAD

18. Canadian Institutes of Health Research: Operating Grant

May 2014-May 2019

A Randomized Controlled Trial on Group CBT for Social Anxiety in People with a First Episode of Psychosis

This study examines a group based treatment on social anxiety and uses my cognitive remediation treatment as a comparison group.

Role: *Co-Investigator (PI: Martin LePage)*

Total Direct Costs: 753,875 CAD

19. University of Manitoba University Research Grants Program

February 2017- March 2020

Examining the Effectiveness of Action-Based Cognitive Remediation for the First-Episode Psychosis

Role: *Co-Investigator (PI: Colleen Murphy)*

Total Direct Costs: 7,500 CAD

20. Lundbeck Foundation

October 2016-October 2020

Prefrontal target engagement as a neuroimaging biomarker model for cognitive enhancement (PRETEC Marker)

This study will examine a combination of pharmacotherapy and Action-Based Cognitive Remediation in Bipolar disorder patients and their unaffected relatives.

Role: *Collaborator*

Principal Investigator: Kamilla Woznica Miskowiak

Total Direct Costs: 1,980,000 CAD

