

# UBC Neuropsychiatry Program Publications and Grants December 2019 – November 2020

## Dr. Andrew Howard:

1. Scamvougeras A, Howard A. Somatic Symptom Disorder, Medically Unexplained Symptoms, Somatoform Disorders, Functional Neurological Disorder: How DSM-5 Got It Wrong. *Can J Psychiatry*; 2020 Mar 19, 1-5.
2. Stubbs JL, Green KE, Howard A, Silverberg N, Dhariwal A, Pearce HL, Purcell V, Panenka WJ. Atypical somatic symptoms in adults with prolonged recovery from mild traumatic brain injury. *Front Neurol*; 2020 Feb 4; 11: 43.

## Dr. Trevor Hurwitz:

1. Avecillas-Chasin JM, Hurwitz TA, Bogod NM, Honey CR: An Analysis of Clinical Outcome and Tractography following Bilateral Anterior Capsulotomy for Depression. *Stereotact Funct Neurosurg* 2019 Dec 20;1–12.
2. Hurwitz TA. , Honey CR. , McLeod KR. , Poologaindran A. , Kuan AJ., Hypoactivity in the Paraterminal Gyrus Following Bilateral Anterior Capsulotomy *Canadian Journal of Psychiatry* 65;46-55, 2020
3. Coenen VA, Hurwitz TA, Schlaepfer TE, Johann Bernhard Aloys von Gudden: The Unrecognized Role of the Psychiatrist and Neuroanatomist in Modern Stereotactic Neurosurgery. *Stereotact Funct Neurosurg.* 2020;98(1):65-69. doi: 10.1159/000505704. Epub 2020 Feb 11. PMID: 32045931.
4. Hurwitz T, Honey C, Bogod N, Kuan, A, Caitlin Earle C., Immediate and Long-Term Side Effects of Bilateral Anterior Capsulotomy *J Neuropsychiatry e15, Clin Neurosci* 31:3, Summer 2019
5. Avecillas-Chasin JM , Hurwitz TA, Bogod N, Honey CR. Tractography-guided anterior capsulotomy for major depression and obsessive compulsive disorder: Targeting the emotion network. *Operative Neurosurgery in Press* 2020
6. Poologaindran A, Honey CR, Suckling J, Robbins TW, Bullmore ET, Alexander L, Sahakian BJ, Hurwitz TA The Anti-Suicidal Effect of Bilateral Anterior Capsulotomy for Treatment-Resistant Depression: Modulating the Endogenous Opioid System, Brain Mapping Unit, Department of Psychiatry, University of Cambridge, Cambridge, UK- submitted for publication

## Dr. William Panenka:

1. Stubbs JL, Thornton AE, Sevick JM, Silverberg ND, Barr AM, Honer WG, Panenka WJ. Traumatic brain injury in homeless and marginally housed individuals: A systematic review and meta-analysis. *Lancet Public Health*. 2020 Jan;5(1):e19-e32. doi: 10.1016/S2468-2667(19)30188-4. Epub 2019 Dec 2.
2. Silverberg ND, Iaccarino MA, Panenka WJ, Iverson GL, Dams-O'Connor K, McCulloch KL, Reed N, McCrea M. Management of Concussion and Mild Traumatic Brain Injury: A Synthesis of Practice Guidelines. *Archives of Physical Medicine and Rehabilitation*. 2020 Feb;101(2):382-393. doi: 10.1016/j.apmr.2019.10.179.
3. Stubbs JL, Green KE, Silverberg ND, Howard A, Dhariwal A, Brubacher JR, Garraway N, Heran MKS, Sekhon MS, Aquino A, Purcell VA, Hutchison JS, Torres IJ, Panenka WJ. Atypical somatic symptoms in adults with prolonged recovery from mild traumatic brain injury. *Front Neurol*. 2020 Feb 4. 6(2): e21. doi: 10.3389/fneur.2020.00043.
4. Gicas KM, Jones AA, Thornton AE, Petersson A, Livingston E, Waclawik K, Panenka WJ, Barr AM, Lang DJ, Vila-Rodriguez F, Leonova O, Procyshyn RM, Buchanan T, MacEwan GW, Honer WG. Cognitive decline and mortality in a community-based sample of homeless and precariously housed adults: 9-year prospective study. *BJPsych Open*. 2020 Feb 11;6(2):e21. doi: 10.1192/bjo.2020.3.
5. Stubbs JL, Thornton AE, Silverberg ND, Sevick JM, Barr AM, Honer WG, Panenka WJ. Traumatic Brain Injury: An Underappreciated Determinant of Health in Individuals Who Are Homeless or Precariously Housed. *World Neurosurg*. 2020 May; 137: 474-475. doi: 10.1016/j.wneu.2020.02.133.
6. Jones PW, Thornton AE, Jones AA, Knerich VM, Lang DJ, Woodward ML, Panenka WJ, Su W, Barr AM, Buchanan T, Honer WG, Gicas KM. Amygdala Nuclei Volumes Are Selectively Associated With Social Network Size in Homeless and Precariously Housed Persons. *Front Behav Neurosci*. 2020 Jun 16;14:97. doi: 10.3389/fnbeh.2020.00097.
7. Jones AA, Gicas KM, Seyedin S, Willi TS, Leonova O, Vila-Rodriguez F, Procyshyn RM, Smith GN, Schmitt TA, Vertinsky AT, Buchanan T, Rauscher A, Lang DJ, MacEwan GW, Lima VD, Montaner JSG, Panenka WJ, Barr AM, Thornton AE, Honer WG. Associations of substance use, psychosis, and mortality among people living in precarious housing or homelessness: A longitudinal, community-based study in Vancouver, Canada. *PLoS Med*. 2020 Jul 6;17(7):e1003172. doi: 10.1371/journal.pmed.1003172.

### Dr. Anton Scamvougeras:

1. Scamvougeras, A; Howard, A. Somatic Symptom Disorder, Medically Unexplained Symptoms, Somatoform Disorders, Functional Neurological Disorder: How DSM-5 Got It Wrong. *Can J Psychiatry* 2020 May; 65(5): 301-305. doi: 10.1177/0706743720912858
2. Greene, SL; Scamvougeras, A; Norman, A; Bonomo, Y; Castle, DJ. The fentanyl: pharmacological and clinical aspects relevant to Australia. *Australasian Psychiatry*, 2020 May 11; 28(5): 542-544. DOI: 10.1177/1039856220917317
3. Scamvougeras, A; Greene, SL; Norman, A; Bonomo, Y; Castle, DJ. The fentanyl: a 'future threat' for Australia? *Australasian Psychiatry*, 2020 May 11; 28(5): 545-547. DOI 10.1177/1039856220917074.

### Dr. Bob Stowe:

1. Zhao Y, Pandoh P, Smailus D, Haile S, Rogic S, Corbett RD, Bilobram S, Thorne K, Kirk H, McDonald H, Bowlby R, Mungall KL, Chuah E, Coope R, Mungall AJ, Moore RA, Jones S, Stowe RM, Marra MA: Automated RNA Extraction and Library Construction Protocols for Strand-Specific RNA Sequencing from Blood Samples. in *Advances in Genome Biology and Technology General Meeting*. Marco Island, FL2020. pp. 268.
2. Yasin H, Stowe R, Wong C, Jithesh PV, Zahir FR. First Whole Transcriptome RNAseq on CHD8 Haploinsufficient Patient and Meta-Analyses Across Cellular Models Uncovers Likely Key Pathophysiological Target Genes. *Cureus* 2020;12:e11571-e11591. doi:10.7759/cureus.11571. [1][1][1][1]  
SEP
3. Bousman CA, Bengesser SA, Aitchison KJ, Amare AT, Aschauer H, Baune BT, Asl BB, Bishop JR, Burmeister M, Chaumette B, Chen LS, Corder ZA, Deckert J, Degenhardt F, DeLisi LE, Folkersen L, Kennedy JL, Klein TE, McClay JL, McMahon FJ, Musil R, Saccone NL, Sangkuhl K, Stowe RM, Tan EC, Tiwari AK, Zai CC, Zai G, Zhang J, Gaedigk A, Muller DJ. Review and Consensus on Pharmacogenomic Testing in Psychiatry. *Pharmacopsychiatry*. 2020. Epub 2020/11/05. doi: 10.1055/a-1288-1061. PubMed PMID: 33147643. [1][1][1][1]  
SEP
4. Harner MK, Lichtenstein M, Farrell M, Dietterich TE, Filmyer DM, Bruno LM, Biondi TF, Crowley JJ, Lázaro-Muñoz G, Stowe R, Shaughnessy RA, Berg JS, Szatkiewicz J, Sullivan PF, Josiassen RC (2020). Treatment-resistant psychotic symptoms and early-onset dementia: A case report of the 3q29 deletion syndrome. *Schizophrenia Research*. 2020. E-pub September 14, 2020. [1][1][1][1]  
SEP

5. Horvath GA, Stowe RM, Ferreira CR, Blau N. Clinical and biochemical footprints of inherited metabolic diseases. III. Psychiatric presentations. *Molecular Genetics and Metabolism*. 2020;130:1-6. L  
SEP

#### Under Review:

1. Jones AA, Gicas KM, Seyedin S, Willi TS, Cho L, Leonova O, Vila-Rodriguez F, Procyshyn R, Smith G, Schmitt T, Vertinsky AT, Buchanan T, Rauscher A, Lang DJ, MacEwan GW, Panenka WJ, Barr AM, Thornton AE, Honer WG. Risk factors for psychosis over one-year in a prospective community sample living in marginal housing or homelessness. Under review with PLoS Medicine.
2. Cassetta BD, Cairncross M, Brasher P, Panenka WJ, Silverberg ND. Fear Avoidance and Endurance Behavior after Mild Traumatic Brain Injury: Natural History and associated disability outcomes. Under review in *Journal of Neurotrauma*
3. Stubbs JL, Thornton AE, Gicas KM, O'Connor TA, Livingston EM, Lu HY, Mehta AK, Lang DJ, Vertinsky AT, Field TS, Heran MK, Leonova O, Buchanan T, AM Barr, MacEwan GM, Honer WG, Panenka WJ. Traumatic brain injury and its association with becoming and remaining homeless in a precariously housed sample of adults and youth. Under review in *Canadian Journal of Psychiatry*.
4. de Cassia Vieira R, Sousa R, Paiva W, Oliveira D, Souza C, Stubbs JL, Panenka WJ. Predicting outcomes in patients with Diffuse Axonal Injury in a middle-income country: performance of widely used prognostic instruments. Under review in *World Neurosurgery*.
5. Abeare C, Erdodi L, Messa I, Terry D, Panenka WJ, Iverson G, Silverberg ND. Development of embedded performance validity indicators in the NIH Toolbox Cognitive Battery. Accepted for publication in *Psychological Assessment*.
6. Stubbs JL, Panenka WJ, Honer WG. Fentanyl-positive homemade candy during the opioid epidemic. Manuscript submitted to *Lancet Psychiatry*.
7. Carino M, McCulloch K, Reed N, Kajankova M, Brown JA, Graf MJ, Panenka WJ, Dams-O'Connor K, McKinney G, Cogan A, Rabinowitz A, Whitehair V, Kamins J, Wethe J, Delmonico RL, Nagele D. Expert Panel Survey to Update the American Congress of Rehabilitation Medicine Definition of Mild Traumatic Brain Injury. Under review in *Archives of Physical Medicine and Rehabilitation*.

## Grants awarded:

BC Schizophrenia Society Foundation, \$25,000. – 2020

## Current grants:

Granting Agency	Title	CO MP/ NO N-CO MP	Amount (total)	Duration	Principal Investigator	Co-I or Co-PI(s)
BC Children's Hospital Research Institute	The impact of herpesvirus infection on the severity of traumatic brain injury	CO MP	\$30,000	2019-2020	Dr. Peter van den Elzen	Dr. William Panenka Dr. Soren Gantt
CFRI: MIND Catalyst Grant	Effects of access to regulated cannabis on a vulnerable population	CO MP	\$125,000	2019-2020	Dr. William Honer	Dr. William Panenka (Co-I) Dr. Alasdair Barr Dr. Allen Thornton
Canadian Institute for Health Research Project Grant	Neuropsychiatric complications of co-morbid illness in people living in homelessness or precarious housing	CO MP	\$1,235,475	2020-2026	Dr. William Honer	Dr. William Panenka (Co-PI) Dr. Kristina Gicas
Canadian Institute for Health Research Project Grant	Using cerebrovascular biomarkers to characterize traumatic brain injury associated with intimate partner violence	CO MP	\$252,450	2020-2022	Dr. Paul van Donkelaar	Dr. William Panenka (Co-I) and others
Canadian Institute for Health	Mobilizing early management of mental health	CO MP	\$749,700	2020-2024	Dr. Noah Silverberg	Dr. William Panenka (Co-I) and others

Research Project Grant	complications after mild traumatic brain injury (M4)					
Canadian Institute for Health Research Project Grant	Delineating between pathophysiologic phenotypes of hypoxic ischemic brain injury after cardiac arrest	CO MP	\$447,526	2020/03-2023/03	Dr. Mypinder Singh Sekhon	Dr. William Panenka (Co-I) and others
Canadian Institute for Health Research Project Grant	A prospective and longitudinal investigation of concussive and subconcussive mild traumatic brain injury mechanisms in ice hockey	CO MP	\$944,776	2020/03-2025/03	Dr. Lyndia Wu, Dr. Alexander Rauscher, Dr. Paul van Donkelaar	Dr. William Panenka (Co-I) and others