

## DEPARTMENT OF PSYCHIATRY AND BEHAVIOURAL NEUROSCIENCES

### 30<sup>TH</sup> ANNUAL RESEARCH DAY

Wednesday, May 2nd, 2018

Mohawk College, Fennell Campus

135 Fennell Avenue West, Hamilton, ON L8N 3T2

## POSTER INDEX

<b>UNDERGRADUATE - NON-CLINICAL (10)</b>	<b>Poster Board #</b>
<b>Child neglect, risk factors, and impact on school-aged children and adolescents (work in progress)</b> <u>Takhlid Amir</u> , Ashwini Tiwari & Andrea Gonzalez	<b>1</b>
<b>Sex-related changes in animal models of autism spectrum disorders</b> <u>Melika Babadi</u> & Florence Roulet	<b>2</b>
<b>Expression of IGF-1 receptor in human idiopathic autism</b> <u>Milena Cioana</u> , Bernadeta Michalski & Margaret Fahnestock	<b>3</b>
<b>Predicting sexual preference of normal subjects using gaze patterns and fixations in virtual reality simulations</b> <u>Nardin Hanna</u> , Gary Chaimowitz & Sébastien Prat	<b>4</b>
<b>The association between developmental health at school entry and unmet dental needs (a study in progress)</b> <u>Catherine S. Lee</u> , Caroline Reid-Westoby & Magdalena Janus	<b>5</b>
<b>Investigating the role of CDNF, MANF as therapeutic targets for schizophrenia (a study in progress)</b> <u>Dima Malkawi</u> , <u>Khaled Nawar</u> & Ram Mishra	<b>6</b>
<b>Olfactory function assessment in animal models of autism spectrum disorders - a review</b> <u>Hasti Namvarhaghighi</u> & Florence Roulet	<b>7</b>
<b>Psychological factors affecting back pain (a review in progress)</b> <u>Fatima Nazir</u> & Eleni Hapidou	<b>8</b>
<b>Social performance predicts likeability in an initial interaction task</b> <u>Thipiga Sivayoganathan</u> , Karen Rowa, Cathy Hoang, Irena Milosevic, David Moscovitch & Randi McCabe	<b>9</b>
<b>Speech and language impairments in kindergarten: Prevalence and association with developmental outcomes (a study in progress)</b> <u>Megan Yim</u> , Caroline Reid-Westoby & Magdalena Janus	<b>10</b>
<b>UNDERGRADUATE - CLINICAL/EDUCATION (33)</b>	
<b>The relationship between Adverse Childhood Experiences (ACEs) and criminal behaviour in the forensic mental health system</b> <u>Dalia R. Ahmed</u> , Kaitlyn McLachlan, Heather Moulden & Gary Chaimowitz	<b>11</b>
<b>Understanding marijuana use in individuals with anxiety disorders: Predictors of use and misuse</b> <u>Taha Arshad</u> , Karen Rowa, Elizabeth Pawluk, Natalie Phung, James MacKillop & Randi McCabe	<b>12</b>

<b>Investigating sex differences in preparing for a suicide attempt (a study in progress)</b> <u>Natasha Baptist-Mohseni</u> , Nitika Sanger & Zainab Samaan	<b>13</b>
<b>Psychoeducational inservice programming in inpatient settings</b> <u>Daniel N. Blum</u> & Heather McNeely	<b>14</b>
<b>The efficacy of cognitive behavioural therapy in the acquired brain injured population</b> <u>Mikaela Bubna</u> , <u>Komal Noor</u> & Diana Velikonja	<b>15</b>
<b>Mind the kids: Investigating the role of maternal cognitive sensitivity between maternal depression and child externalizing behaviour (a study in progress)</b> <u>Virginia Chambers</u> , Gillian England-Mason, Heather Prime & Andrea Gonzalez	<b>16</b>
<b>The impact of safety behaviour use on likeability in interpersonal interactions for individuals with and without social anxiety disorder</b> <u>Grishma Dabas</u> , Karen Rowa, Irena Milosevic, David Moscovitch & Randi McCabe	<b>17</b>
<b>Sexual behaviour: What is a normal sexual behaviour and how to identify hypersexual disorder?</b> <u>Mark Georgy</u> & Sébastien Prat	<b>18</b>
<b>Executive functioning and fetal alcohol spectrum disorder in the criminal justice system</b> <u>David Ghanizadeh-Khoob</u> , Kaitlyn McLachlan, Michael Amlung, Gary Chaimowitz & James Reynolds	<b>19</b>
<b>Inaccurate perceptions of alcoholic standard drink sizes by adult drinkers</b> <u>Laura Grennan</u> , Michael Amlung & Derek Reed	<b>20</b>
<b>The effects of technology-based parenting interventions for high-risk families: A meta-analysis</b> <u>Madeleine Harris</u> , Krysta Andrews, Andrea Gonzalez & Leslie Atkinson	<b>21</b>
<b>A systematic review: Childhood trauma and borderline personality disorder (a study in progress)</b> <u>Alannah Hillmer</u> , Nitika Sanger, Hamnah Shahid, Natasha Baptist-Mohseni, Balpreet Panesar, Victoria Rogers, Alessia D'Elia, Laura Noble, Nikhita Singhal, Kimberly Ng & Zainab Samaan	<b>22</b>
<b>Metacognition, shyness, and quality of life in schizophrenia</b> <u>Jonathan Jin</u> , Zahra Khalesi, Louis Schmidt & Heather McNeely	<b>23</b>
<b>Trajectory and quality of life in forensic mental health patients with adverse childhood experiences (in progress)</b> <u>Florence Kwok</u> , Katelyn Mullally, Mini Mamak & Gary Chaimowitz	<b>24</b>
<b>Coping skills and resilience as moderators for the relationship between employment status and symptom severity in individuals with anxiety disorders</b> <u>Lucia Juehea Lee</u> , Karen Rowa & Randi McCabe	<b>25</b>
<b>Feedback from long-term care home staff utilizing the St. Joseph's Seniors Mental Health Outreach Program: a quality assurance study</b> <u>Shannon Leung</u> & Julia Baxter	<b>26</b>
<b>Effectiveness of electronically-delivered cognitive behavioural therapy in depressive disorders: A systematic review and meta-analysis</b> <u>Candice Luo</u> , Nitika Sanger, Nikhita Singhal, Kaitlin Patrick, Hamnah Shahid, Peter Hoang, Joel Schmidt, Janice Lee, Sean Haber, Megan Puckering, Nichole Buchanan, Patsy Lee, Kim Ng, Sunny Sun, Sasha Kheyson, Stephanie Sanger, Lehana Thabane & Zainab Samaan	<b>27</b>
<b>Use of the Copenhagen Burnout Inventory in front-line staff implementing dialectical behavior therapy on a pediatric eating disorders unit (study in progress)</b> <u>Zechen Ma</u> , Cheryl Webb, Liah Rahman & Jennifer Couturier	<b>28</b>
<b>The impact of disordered eating on borderline personality disorder symptomatology and treatment</b> <u>Nilina Mohabir</u> , Kiran Punia, Claire Hallett, Alicia Kaski, Lisa Burckell & Katherine Holshausen	<b>29</b>
<b>Examining the relationships between problematic behaviours and anxiety symptoms in the perinatal period</b> <u>Laura Noble</u> , Eleanor Donegan, Arela Agako, Benicio N. Frey, Randi E. McCabe & Sheryl M. Green	<b>30</b>
<b>Association of social factors with level of suicidal intent in adult psychiatric in-patient population who have made a recent or past suicide attempt</b> <u>Balpreet Panesar</u> & Zena Samaan	<b>31</b>
<b>Clinical predictors of response to ECT in patients with depression</b> <u>Vagisha Pruthi</u> , Katherine Jongsma, Gary Hasey, Jelena King, Christina Gojmerac, Bruno Losier, Margaret McKinnon, Peter Bieling & Heather McNeely	<b>32</b>

<b>Relationships between impulsivity, inhibitory control, and childhood trauma in binge eating disorder, gambling disorder, and cannabis users (a study in progress)</b> <u>Kiran Punia</u> , Fiza Arshad, James MacKillop, Michele Laliberte & Iris Balodis	<b>33</b>
<b>The role of shame in predicting treatment outcomes in dialectical behaviour therapy</b> <u>Meena Rangan</u> , Claire Hallett, Toni Asuncion, Fairuz Karim, Lisa Burckell & Katherine Holshausen	<b>34</b>
<b>Informant discrepancies in ratings of family obligation and youth mental health outcomes</b> <u>Kevin Ren</u> , Steven Ma, Matthew Campo & Kathy Georgiades	<b>35</b>
<b>Youth perspectives on the link between Marijuana and Psychosis</b> <u>Gagandeep Saini</u> & Suzanne Archie	<b>36</b>
<b>Metacognition in relation to gambling disorder, cannabis use and binge eating disorder (a study in progress)</b> <u>Mario Simjanoski</u> , Fiza Arshad, Kiran Punia, Michele Laliberte, James MacKillop & Iris Balodis	<b>37</b>
<b>Unexpected benefits: Can methadone maintenance treatment decrease polysubstance use in patients with opioid use disorder?</b> <u>Nikhita A. Singhal</u> , Tea Rosic, Nitika Sanger & Zainab Samaan	<b>38</b>
<b>Exploring the effects of emotional dysregulation and interoceptive deficits in patients with binge eating disorder (BED) and bulimia nervosa (BN)</b> <u>Jeneva Smith</u> , Kristen Lucibello, Tasfia Ahsan, Kiran Punia, Michele Laliberte & Iris Balodis	<b>39</b>
<b>Temperamental shyness and preoperative anxiety in children: Associations with parental bonding, stress, and anxiety (a study in progress)</b> <u>Laura S. Sun</u> , Cheryl H.T. Chow, Ryan J. Van Lieshout, Norman Buckley & Louis A. Schmidt	<b>40</b>
<b>Female arsonists: A systematic review</b> <u>Alick Wang</u> , Yedishtra Naidoo & Sébastien Prat	<b>41</b>
<b>Stylometric assessment of individuals with psychosis</b> <u>Peter Youssef</u> & Sébastien Prat	<b>42</b>
<b>Identifying effective coping strategies and associated personality characteristics for chronic pain through a retrospective data analysis (a study in progress)</b> <u>Xueyi Zhu</u> , Yuelin Li & Eleni G. Hapidou	<b>43</b>
<b>GRADUATE - NON-CLINICAL (11)</b>	
<b>Can caring parenting protect infants born extremely low birth weight from mental health challenges in adulthood?</b> <u>Bahar Amani</u> , Ryan J. Van Lieshout, Louis A. Schmidt, Saroj Saigal, Katherine Morrison & Michael H. Boyle	<b>44</b>
<b>Examining the effects of household chaos on child executive functions: A meta-analysis</b> <u>Krysta Andrews</u> , Madeleine Harris, Leslie Atkinson & Andrea Gonzalez	<b>45</b>
<b>Evaluating the antipsychotic efficacy of lurasidone hydrochloride via the intranasal route in an MK-801 model of schizophrenia (a study in progress)</b> <u>Brendan R. Fera</u> , Madeline Simpson, Todd Hoare & Ram K. Mishra	<b>46</b>
<b>Identifying a blood-brain barrier disruption animal model for bipolar disorder</b> <u>Luíza Géa</u> , Bianca Wollenhaupt de Aguiar, Devot Watts, William Maich, Flávio Kapczinski, Ram Mishra, Michael Noseworthy & Benicio Frey	<b>47</b>
<b>The effects of extracellular tau on BDNF expression in human neuroblastoma cells</b> <u>Angela Gupta</u> , <u>Crystal Mahedeo</u> , Lars Ittner & Margaret Fahnestock	<b>48</b>
<b>Cardiac vagal withdrawal during a frustration task in 3 to 5-year old preschools who were classified with conflicted shyness</b> <u>Raha Hassan</u> , Ann S. Mills & Louis A. Schmidt	<b>49</b>
<b>Does the school setting matter? Examining associations between schools and classroom settings and health behaviours among students in Ontario</b> <u>Vanessa Linton</u> & Kathy Georgiades	<b>50</b>
<b>Self-regulation and maternal shyness differentially predict empathetic concern in young children</b> <u>Taigan L. MacGowan</u> & Louis A. Schmidt	<b>51</b>

<b>Smiling through the shyness: The adaptive function of positive affect in shy children</b> Kristie L. Poole & Louis A. Schmidt	<b>52</b>
<b>Basal forebrain cholinergic neurons display age-related axonal transport deficits that are ameliorated by axonal neurotrophin stimulation</b> Arman Shekari & Margaret Fahnestock	<b>53</b>
<b>Investigating the neuroprotective effects of TP5 in an in vitro model of Parkinson's disease</b> Judith Tran, Harish Pant & Ram Mishra	<b>54</b>
<b>GRADUATE - CLINICAL/EDUCATION (30)</b>	
<b>Impact of cognitive behavioural therapy for perinatal anxiety on emotion dysregulation</b> Arela Agako, Eleanor Donegan, Randi E. McCabe & Sheryl M. Green	<b>55</b>
<b>The effects of acute tryptophan depletion on emotional stroop in midlife women receiving estrogen-based treatment: An fMRI study</b> Gésine L. Alders, Luciano Minuzzi, Julie Mahoney, Geoffrey Hall, Donna Fedorkow, Dustin Costescu-Green, Benicio Frey, Claudio N. Soares, Marg Coote & Meir Steiner	<b>56</b>
<b>Eating disorder behaviours and borderline personality disorder in adolescents</b> Patricia Al-Salom & Khrista Boylan	<b>57</b>
<b>Stress and risk-taking personality in gambling disorder</b> Fiza Arshad, Marc N. Potenza & Iris M. Balodis	<b>58</b>
<b>Emotional memory in bipolar disorder and major depressive disorder: A preliminary report</b> Bryce J.M. Bogie, Monisha Persaud, Flávio Kapczinski & Benicio N. Frey	<b>59</b>
<b>Evaluating the efficacy of goal management training for individuals with PTSD and MDD</b> Jenna Boyd, Bruno Losier, Stephanie McDermid Vaz, Brian Levine, Alina Protopopescu, Charlene O'Connor, Ruth Lanius & Margaret McKinnon	<b>60</b>
<b>Seasonality patterns of mental health Google searches in Ontario</b> Noam Soreni, Duncan Cameron, David L. Streiner & Randi E. McCabe	<b>61</b>
<b>Impact of time in bed prescription adherence on treatment outcome in group cognitive behavioural therapy for insomnia (a study in progress)</b> Lauren Cudney, Arela Agako, Amna Ursani & Sheryl M. Green	<b>62</b>
<b>Cognitive and neural processes in youth with obsessive-compulsive disorder and hoarding symptoms (work in progress)</b> Melissa Elgie, Andrew Davis, Geoff Hall, Randi McCabe, James MacKillop & Noam Soreni	<b>63</b>
<b>The role of emotion regulation in the intergenerational transmission of risk following childhood adversity</b> Gillian England-Mason, Harriet MacMillan, Leslie Atkinson & Andrea Gonzalez	<b>64</b>
<b>Mental health inpatient and outpatient cost in Ontario (a study in progress)</b> Lindsay Favotto & Kathy Georgiades	<b>65</b>
<b>Biological and psychosocial predictors of perinatal anxiety worsening</b> Melissa Furtado, Benicio N. Frey & Ryan J. Van Lieshout	<b>66</b>
<b>School factors and substance use: A multilevel approach in a large sample of adolescents</b> Jillian Halladay, James MacKillop & Kathy Georgiades	<b>67</b>
<b>Outside of the disorder: How individual difference factors influence quality of life in adults with schizophrenia (work in progress)</b> Zahra Khalesi, Jonathan Jin, Heather McNeely & Louis A. Schmidt	<b>68</b>
<b>The Dissociative Freezing Response Onset Scale following Traumatic stress (D-FROST): Assessing post-traumatic tonic immobility</b> Chantelle S. Lloyd, Ruth A. Lanius, Matthew F. Brown, Richard J. Neufeld, Paul A. Frewen & Margaret C. McKinnon	<b>69</b>
<b>The association between 5-HTTLPR and obsessive-compulsive symptoms in women during the perinatal period (a study in progress)</b> Gabiella F. Mattina, Lauren Mak, Geoffrey Hall & Meir Steiner	<b>70</b>

<b>Investigating intracortical myelin in alcohol and substance use disorders</b> <u>Vanessa Morris</u> , Nicholas Bock, Michael Amlung & James MacKillop	<b>71</b>
<b>Assessing the utility of symptom validity tests in individuals with FASD</b> <u>Katelyn Mullally</u> , Kaitlyn McLachlan & Emily MacKillop	<b>72</b>
<b>Kindergarten prevalence of children with special educational needs in Ontario and their developmental health at school entry (a study in progress)</b> <u>Salmi T. Noor</u> & Magdalena Janus	<b>73</b>
<b>Trauma types in hoarding disorder</b> <u>Mélise J. Ouellette</u> , Karen Rowa, Noam Soreni & Randi E. McCabe	<b>74</b>
<b>A pilot study of episodic future thinking in a treatment seeking addiction sample</b> <u>Herry Patel</u> , Lana Vedelago & Michael Amlung	<b>75</b>
<b>Cannabis use and neurocognitive performance among the Population Assessment for Tomorrow's Health (PATH) cohort</b> <u>Tashia Petker</u> , Alex Lee, Emily Vandehei, Polina Andrievskaia, Jessica Gillard, Randy Ramdial, Justin Scherer, Lana Vedelago, Allan Fein, Jane DeJesus, Michael Amlung & James MacKillop	<b>76</b>
<b>Sleepwalking in forensic psychiatry: Case series and literature review</b> <u>Dilshan Pieris</u> , Tanishq Suryavanshi & Sébastien Prat	<b>77</b>
<b>Intergenerational transmission of risk in rural Kenya: The mediating role of maternal mental health</b> <u>Amber Rieder</u> , Sophia Roth, Christine Musyimi, David Ndeti, Roberto B. Sassi, Victoria Mutiso, Geoffrey Hall & Andrea Gonzalez	<b>78</b>
<b>Examining the effects of a team-based running program on the mental health cognition of emerging adults: A pilot study</b> <u>Sophia Roth</u> , Juliana Tobon, Sue Becker & Margaret McKinnon	<b>79</b>
<b>Association between introduction to opioids through a legitimate prescription and health and treatment response outcomes in opioid use disorder patients (a completed project)</b> <u>Nitika Sanger</u> , Meha Bhatt, Laura Zielinski, M. Constantine Samaan, Russell de Souza & Zainab Samaan	<b>80</b>
<b>Social determinants of development of children with Autism Spectrum Disorder: A population-level study</b> <u>Ayesha Siddiqua</u> , Eric Duku & Magdalena Janus	<b>81</b>
<b>Changes in biological rhythms and mood from pregnancy to postpartum in women with comorbid mood and anxiety disorders</b> <u>Anastasiya Slyepchenko</u> & Benicio N. Frey	<b>82</b>
<b>A pilot study examining the effectiveness of the family connections program for families of youth with emerging mental disorders</b> <u>Victoria Stead</u> , Juliana Tobon & Robert Zipursky	<b>83</b>
<b>Profiles and predictors of premature discharge from an inpatient addictions treatment centre</b> <u>Sabrina K. Syan</u> , Courtney Ropp, Sarah Sousa, Chris Ryan, Jean Costello, Wendi Woo, Harry Vedelago & James MacKillop	<b>84</b>
<b>RESIDENTS - PSYCHIATRY &amp; PSYCHOLOGY (17)</b>	
<b>Improving the quality of psychiatry chief residents' teaching sessions to medical students</b> <u>Alanna Courtright</u> & <u>Jonathan Duboff</u>	<b>85</b>
<b>The role of weight control beliefs in predicting treatment outcomes in patients with eating disorders</b> <u>Lauren David</u> , Kristen Lucibello & Michele M. Laliberte	<b>86</b>
<b>Rates of long acting injectable antipsychotic use in patients followed by a community based early psychosis intervention clinic</b> <u>Alexander Dufort</u> & Mohammed Warsi	<b>87</b>
<b>Are motivational factors associated with clinical features of youth seeking treatment for emerging mental health concerns?</b> <u>Michael Grossman</u> & Juliana Tobon	<b>88</b>
<b>Mindfulness and borderline personality disorder in an outpatient sample (a study in progress)</b> <u>Anita Hibbert</u> , Katherine Holshausen & Lisa Burckell	<b>89</b>

<p><b>Employing continuous quality improvement in psychiatric emergency services disposition planning</b>  <u>Ashley Johnson</u> &amp; <u>Janet Song</u></p>	<b>90</b>
<p><b>Predicting treatment outcome of electroconvulsive therapy for depression</b>  <u>Katherine Jongasma</u>, Vagisha Pruthi, Gary Hasey, Jelena King, Christina Gojmerac, Bruno Losier, Margaret McKinnon, Peter Bieling &amp; Heather McNeely</p>	<b>91</b>
<p><b>Reading between the lines: What do psychiatry learners tell us about educator effectiveness?</b>  Sheila Harms, Bryce J.M. Bogie, <u>Anne Lizius</u>, Karen Saperson, Susan Jack &amp; Meghan M. McConnell</p>	<b>92</b>
<p><b>Facing fear: Improving the identification of anxiety symptoms and anxiety disorders among children and adolescents in primary care</b>  <u>Elizabeth A. Lovell</u> &amp; Seamus P. Norton</p>	<b>93</b>
<p><b>Examining the impact of perfectionism on homework compliance and CBT outcomes across anxiety disorders</b>  <u>Hanna McCabe-Bennett</u>, Karen Rowa, Dubravka Gavric &amp; Randi McCabe</p>	<b>94</b>
<p><b>Optimizing videoconferencing in academic seminars quality improvement project</b>  <u>Kurt Moyst</u></p>	<b>95</b>
<p><b>Navigating the labyrinth: Improving psychiatry resident's knowledge of outpatient mental health &amp; addiction services</b>  <u>Sarah Payne</u> &amp; Anne Lizius</p>	<b>96</b>
<p><b>Repeat mental health visits to the pediatric emergency department: McMaster Children's Hospital</b>  Tea Rosic, Laura Duncan, Mohamed Eltorki, Michael Boyle, Roberto Sassi, Kathryn Bennett, Lawna Brotherston, Paulo Pires, Olabode Akintan &amp; Ellen Lipman</p>	<b>97</b>
<p><b>The use of environmental barriers to reduce exit seeking behaviours</b>  <u>Elliot Stansfield</u></p>	<b>98</b>
<p><b>Pulmonary rehabilitation: Preliminary results from an 8-week outpatient program</b>  <u>Tyler G. Tulloch</u>, Joseph R. Pellizzari, Joshua Wald, Diana Hatzoglou, Stewart O. Pugsley, Natya Raghavan, Fatima Foster, Ramya Bakaraju &amp; Nadina Cowburn</p>	<b>99</b>
<p><b>Novel models of mental healthcare delivery for youth: The development and design of the Youth Wellness Centre, St. Joseph's Healthcare, Hamilton</b>  <u>Alyssa Wang</u>, Juliana Tobon, Peter Bieling &amp; Lisa Jeffs</p>	<b>100</b>
<p><b>Treatment outcome and clinical challenges for young adults with eating disorders (work-in-progress)</b>  <u>Mengran Xu</u>, Stacy Tweed &amp; Michele Laliberte</p>	<b>101</b>
<b>POSTDOCTORAL FELLOWS (16)</b>	
<p><b>Childhood trauma and incidence of suicide risk in an outpatient sample of subjects with major depressive disorder</b>  <u>Taiane de Azevedo Cardoso</u>, Thaise Campos Mondin, Fernanda Pedrotti Moreira, Karen Jansen, Luciano Dias de Mattos Souza, Ricardo Azevedo da Silva &amp; Flávio Kapczinski</p>	<b>102</b>
<p><b>Linking shyness, frontal brain activity, and preoperative anxiety in children undergoing surgery (a study in progress)</b>  <u>Cheryl H.T. Chow</u>, Richard Y. Xu, Kristie L. Poole, Ryan J. Van Lieshout, Norman Buckley, Graeme Moffat &amp; Louis A. Schmidt</p>	<b>103</b>
<p><b>Applying machine learning algorithms to improve the management of suicide ideation</b>  <u>Sinisa Colic</u>, J.D. Richardson, James P. Reilly &amp; Gary M. Hasey</p>	<b>104</b>
<p><b>Family income, neighbourhood disadvantage, and children's trajectories of emotional and behavioural problems (a study in progress)</b>  <u>Jinette Comeau</u>, Kathy Georgiades, Laura Duncan, Li Wang &amp; Michael H. Boyle</p>	<b>105</b>
<p><b>Understanding caregivers' readiness for involvement in autism care (study in progress)</b>  <u>Stephen J. Gentles</u>, Linda Nguyen &amp; Stelios Georgiades</p>	<b>106</b>
<p><b>Cannabis coping motives affects the relationship between psychopathology and cannabis use disorder severity: Findings from the McMaster PATH registry</b>  <u>Candice Graydon</u>, Alex Lee, Jessica Gillard, Emily Vanderhei, Justin Scherer, Randy Ramdial, Allan Fein, Jane DeJesus, Iris M. Balodis &amp; James MacKillop</p>	<b>107</b>
<p><b>Immunosuppression modulates central pathology in the 3xTg-AD mouse model</b>  <u>Minesh Kapadia</u>, M.F. Mian, Bernadeta Michalski, David Morgan, Iva Zovkic, Paul Forsythe, Boris Sakic &amp; Margaret Fahnestock</p>	<b>108</b>

<b>The role of sleep quality and physical activity in the association between screen time and mental disorders in adolescents</b> <u>Soyeon Kim</u> , Lindsay Favotto, Jillian Halladay, Michael Boyle & Kathy Georgiades	<b>109</b>
<b>Temperament mediates the relationship between symptom severity and adaptive functioning in school-aged children with autism spectrum disorder</b> <u>Vivian Lee</u> , Eric Duku, Lonnie Zwaigenbaum, Terry Bennett, Peter Szatmari, Stelios Georgiades & the Pathways in ASD Team	<b>110</b>
<b>Number of children missed or over-identified by child maltreatment screening tools: An update of a systematic review</b> <u>Jill McTavish</u> , Andrea Gonzalez, Jennifer C.D. MacGregor, Chris McKee, Nancy Santesso & Harriet MacMillan	<b>111</b>
<b>Effects of acute stress in binge eating disorder (BED): A review</b> <u>Katherine R. Naish</u> , Michele Laliberte, James MacKillop & Iris M. Balodis	<b>112</b>
<b>EGR3 immediate early gene in bipolar disorder: An in vitro study for validation of bioinformatics findings (a study in progress)</b> <u>Bianca Pfaffenseller</u> , Bianca Wollenhaupt-Aguiar, Marco Antônio De Bastiani, Mauro A.A. Castro, Fábio Klamt & Flávio Kapczinski	<b>113</b>
<b>Links between maternal and child verbal abilities: Mediation through parental scaffolding</b> <u>Heather Prime</u> , Gillian England-Mason & Andrea Gonzalez	<b>114</b>
<b>Childhood maltreatment and cortisol reactivity among postpartum women - Examining the moderating effects of neuroticism</b> <u>Ashwini Tiwari</u> , Harriet MacMillan & Andrea Gonzalez	<b>115</b>
<b>Depression and anxiety among migrant girls</b> <u>Irene Vitoroulis</u> & Kathy Georgiades	<b>116</b>
<b>Machine learning analysis of peripheral biomarkers to differentiate bipolar and unipolar depression</b> <u>Bianca Wollenhaupt-Aguiar</u> , Diego Librenza-Garcia, Lucas Spanemberg, Marco Antônio Caldieraro, Devon Watts, Monica Bactor, Marcelo Fleck, Ives Cavalcante Passos & Flávio Kapczinski	<b>117</b>
<b>NON-COMPETITION POSTERS (24)</b>	
<b>Food addiction and adverse health effects within the Population Assessment for Tomorrow's Health (PATH) cohort</b> <u>Polina Andrievskaia</u> , Alex Lee, Jessica Gillard, Emily Vandehei, Randy Ramdial, Lana Vedelago, Allan Fein, Jane DeJesus, Tashia Petker & James MacKillop	<b>118</b>
<b>An appraisal of the trustworthiness of practice guidelines for depression and anxiety in children and youth</b> <u>Kathryn Bennett</u> , Dareen Courtney, Stephanie Duda, Joanna Henderson & Peter Szatmari	<b>119</b>
<b>Predictors of symptom change in CBT for perinatal anxiety: Intolerance of uncertainty and perfectionistic beliefs</b> <u>Eleanor Donegan</u> & Sheryl M. Green	<b>120</b>
<b>Patient centred knowledge dissemination tools in child and youth mental health: Development of a framework to facilitate youth and parent engagement</b> <u>Stephanie Duda</u> , Purnima Sundar, Sarah Cannon, Zachary Johnstone, Lucie Langford, Grace Loucks, Assia Messaoudi, Holly Smith & Kathryn Bennett	<b>121</b>
<b>Population-level SES and child development: Using latent profile analysis to identify "off-diagonal" neighbourhoods</b> <u>Eric Duku</u> , Magdalena Janus, Simon Webb, Caroline Reid-Westoby, Barry Forer, Martin Guhn, Marni Brownell & Nazeem Muhajarine	<b>122</b>
<b>The Michael G. DeGroote Centre for Medicinal Cannabis Research: The development of and first year results from a new research centre</b> <u>Allan Fein</u> , Sarrah Lal, Ramesh Zacharias, James Busse & James MacKillop	<b>123</b>
<b>Examining "turning points" in trajectories of symptom severity in children with autism</b> <u>Stelios Georgiades</u> , Peter A. Tait, Vanessa Bierling, Michael P.B. Gallagher, Paul D. McNicholas, Eric Duku, Teresa Bennett, Mayada Elsabbagh, Pat Miranda, Isabel Smith, Wendy Ungar, Tracy Vaillancourt, Joanne Volden, Charlotte Waddell, Lonnie Zwaigenbaum & Peter Szatmari	<b>124</b>
<b>Tobacco and e-cigarette use: An analysis of patterns in community adults and young adult binge drinkers</b> <u>Jessica Gillard</u> , Alex Lee, Emily Vandehei, Polina Andrievskaia, Randy Ramdial, Lana Vedelago, Allan Fein, Jane DeJesus, Tashia Petker & James MacKillop	<b>125</b>
<b>CBT for perinatal anxiety: Preliminary data from a randomized controlled trial</b> <u>Sheryl M. Green</u> , Eleanor Donegan, Benicio N. Frey, Arela Agako & Randi E. McCabe	<b>126</b>



<p><b>Prevalence of functional difficulties at school entry in Ethiopia, Kyrgyzstan, Peru and Vietnam: Implications for data use and interpretation</b>  <u>Magdalena Janus</u>, Menelik Desta Argaw, Zharkyn Ryskulova, Ayesha Siddiqua &amp; Caroline Reid-Westoby</p>	<b>127</b>
<p><b>Cross-methods validation of a weekly symptom checklist in collection of eating disorder symptomology (a study in progress)</b>  Michele Laliberte, <u>Laura Jin</u>, Kristen Lucibello &amp; Beth Adams</p>	<b>128</b>
<p><b>Psychiatric symptoms and substance misuse within Population Assessment for Tomorrow's Health (PATH) cohort</b>  <u>Alex Lee</u>, Polina Andrievskaia, Jessica Gillard, Emily Vandehei, Randy Ramdial, Lana Vedelago, Allan Fein, Jane DeJesus, Tashia Petker &amp; James MacKillop</p>	<b>129</b>
<p><b>Mood disorder in older adults: A proposed model of relationship between the disease and the disability</b>  <u>Atul Sunny Luthra</u>, Shannon Remers, Trevor Semplonius &amp; Heather Millman</p>	<b>130</b>
<p><b>The concurrent disorders clinical screening battery: An update on research and quality improvement initiatives</b>  <u>Carmen MacPherson</u>, Holly Raymond, Alyssa DeAngelis, Sandra Osazua, Jennifer Brasch, James MacKillop &amp; Michael Amlung</p>	<b>131</b>
<p><b>Temperament, SES, an inhibitory control in typically developing four-year-olds</b>  <u>Ann S. Mills</u>, Raha Hassan &amp; Louis A. Schmidt</p>	<b>132</b>
<p><b>Comparison between the Canadian and French court ordered psychiatric assessment</b>  <u>Sébastien Prat</u> &amp; Gary Chaimowitz</p>	<b>133</b>
<p><b>Compulsive internet use within Behavioural Economic Trajectories for Alcohol Misuse - Hamilton (BETA-H) and the Population Assessment for Tomorrow's Health (PATH) cohorts</b>  <u>Randy Ramdial</u>, Emily Vandehei, Justin Scherer, Jessica Gillard, Alex Lee, Polina Andrievskaia, Lana Vedelago, Allan Fein, Jane DeJesus, Tashia Petker &amp; James MacKillop</p>	<b>134</b>
<p><b>Examining the impact of the concurrent disorder's capacity building team's educational initiatives on St. Joseph's Hamilton Healthcare Staff</b>  <u>Holly Raymond</u>, Carmen McPherson, Alyssa DeAngelis, Sandra Osazuwa, Megan Hemlow, Bojana Vucenic &amp; Doug Scholz</p>	<b>135</b>
<p><b>Modeling parental preferences for a distance-delivered training program for parents of children with ODD</b>  <u>Bailey Stewart</u>, Charles E. Cunningham, Heather Rimas, Yvonne Chen, Ken Deal, Patricia Lingley-Pottie, Graham J. Reid, Ellen Lipman &amp; Penny Corkum</p>	<b>136</b>
<p><b>SET for health: Self-management support in mental health case management services</b>  <u>Susan Strong</u>, Mary-Lou Martin, Heather McNeely, Alycia Gillespie &amp; Lori Letts</p>	<b>137</b>
<p><b>Long term outcomes of childhood internalizing problems in extremely low birth weight (ELBW) survivors</b>  <u>Anna Swain</u>, Kimberly L. Day, Louis A. Schmidt, Saroj Saigal &amp; Ryan J. Van Lieshout</p>	<b>138</b>
<p><b>Association of insomnia complaints with comorbid psychiatric symptoms and medical conditions (a proposed study)</b>  <u>Amna Ursani</u>, Lauren Cudney, Arela Agako &amp; Sheryl M. Green</p>	<b>139</b>
<p><b>Consequences of harmful alcohol use in young adults and effects on quality of life in the Behavioural Economic Trajectories for Alcohol Misuse - Hamilton (BETA-H) cohort</b>  <u>Emily Vandehei</u>, Alex Lee, Polina Andrievskaia, Jessica Gillard, Randy Ramdial, Justin Scherer, Lana Vedelago, Allan Fein, Jane DeJesus, Tashia Petker &amp; James MacKillop</p>	<b>140</b>
<p><b>Hypersexuality, mental health, and impulsivity in the Population Assessment for Tomorrow's Health (PATH) cohort</b>  <u>Lana Vedelago</u>, Jessica Gillard, Alex Lee, Emily Vandehei, Jane DeJesus, Tashia Petker, Michael Amlung &amp; James MacKillop</p>	<b>141</b>