UBC Department of Psychiatry
2021 VIRTUAL RESEARCH DAY
Thursday June 3, 2021
Event Agenda

8.30am - 8.50am  Attendees Join Event Via Panopto Link

8.50am - 9.00am  Opening Remarks
Dr. Sophia Frangou

9.00am - 9.15am  State of the Department Address
Dr. Lakshmi Yatham

9.15am - 10.15am  Lightning Talks: First Set  (Moderator: Dr. Trisha Chakrabarty)

Ms. Laura Jones: Help-Seeking Behaviours Amongst B.C. University Students With Suicidal Plan and Intent

Dr. Victor Li: Functional outcomes with bright light in monotherapy and combined with fluoxetine in patients with major depressive disorder: Results from the LIFE-D trial.

Mr. Jeff Zhan: Trajectories of Response and Suicidal Ideation to 1Hz Stimulation in Patients with Treatment-Resistant Depression

Dr. Ruiyang Ge: Acute Functional Connectivity Changes Induced by Repetitive Transcranial Magnetic Stimulation Predict Therapeutic Response in Treatment-Resistant Depression

Mr. Pankaj Gupta: Real-time neural feedback of mesoscale cortical GCAMP6 signals for training mice

Dr. Mohammadali Nikoo: Opium Trial: a randomized controlled clinical trial comparing opium tincture with methadone for opioid substitution treatment

10.15am - 10.30am  15-Minute Break / Poster Viewing

10.30am - 11.30am  Dr. Carrie Bourassa and Dr. Cari McIlduff
Understanding traditional medicine’s role in Indigenous mental health
(Moderator: Dr. Sophia Frangou)
11.30am - 12.30pm  Lightning Talks: Second Set  (Moderator: Dr. Tim Murphy)

Dr. Nicole Sanford: Individual characteristics predicting the biological age of the brain in young healthy adults

Mr. Jacob Stubbs: Differential age-associated decline in MRI metrics of brain health among precariously housed individuals compared to the general population

Ms. Ellen Koch: In vivo striatal neural activity during motor skill learning and spontaneous behaviour in Huntington’s disease mice

Dr. Clara Westwell-Roper: Celecoxib versus placebo as an adjunct to treatment-as-usual in children and youth with obsessive-compulsive disorder: A single-site randomized quadruple-blind phase II study

Dr. Cameron Woodard: Chronic JZL184 treatment normalizes impaired striatal synaptic plasticity and motor learning in YAC128 Huntington disease mice

Mr. Abhijit M. Chinchani: Item-specific overlap between hallucinatory experiences and cognition in the general population: A three-step multivariate analysis of international multi-site data

12.30pm - 1.30pm  Break / Poster Viewing & Voting

1.30pm - 2.00pm  Dr. Jill Murphy
Advancing Post-COVID19 Mental Health Equity in Asia-Pacific
(Moderator: Dr. Sophia Frangou)

2.00pm - 2.30pm  Dr. Annie Ciernia
The role of neuroinflammation in development and mental health
(Moderator: Dr. Sophia Frangou)

2.30pm - 3.00pm  Research Day Awards
Dr. T. Chakrabarty & Dr. T. Murphy

UGE / PGE Awards & Closing Remarks
Dr. Lakshmi Yatham
BASIC SCIENCE RESEARCH

**Leo Arreaza, Todd Woodward**
FUNCTIONAL ASSESSMENT OF THE FMRI-DERIVED COGNITIVE EVALUATION NETWORK

**Judy Cheng, Ellen T. Koch, Lynn A. Raymond**
MOUSE MODEL OF HUNTINGTON’S DISEASE: BEHAVIOUR CHARACTERIZATION OF 10-MONTH-OLD Q175/B6 MICE

**Abhijit M. Chinchani, Mahesh Menon, Meighen Roes, Heungsun Hwang, Paul Allen, Vaughan Bell, Josef Bless, Catherine Bortolon, Matteo Cella, Charles Fernyhough, Jane Garrison, Eva Kozáková, Frank Laro, Jamie Moffatt, Nicolas Say, Mimi Suzuki, Wei Lin Toh, Yuliya Zaytseva, Susan L. Rossell, Peter Moseley & Todd S. Woodward**
ITEM-SPECIFIC OVERLAP BETWEEN HALLUCINATORY EXPERIENCES AND COGNITION IN THE GENERAL POPULATION: A THREE-STEP MULTIVARIATE ANALYSIS OF INTERNATIONAL MULTI-SITE DATA

**Tony Fong, Timothy H. Murphy**
NATURAL MOUSE TRACKER: AN AFFORADABLE, ACCESSIBLE, AND SCALABLE SYSTEM FOR MULTI-ANIMAL TRACKING

**Ellen T. Koch, Marja Sepers, Ryan Yeung, and Lynn A. Raymond**
IN VIVO STRIATAL NEURAL ACTIVITY DURING MOTOR SKILL LEARNING AND SPONTANEOUS BEHAVIOUR IN HUNTINGTON’S DISEASE MICE

**Wissam B Nassrallah, James P Mackay, Jean Oh, Peter Hogg, Lynn A. Raymond**
CALCIUM HANDLING IN STRIATAL NEURONS IN HUNTINGTON DISEASE

**Dongsheng Xiao, Brandon J. Forys, Matthieu P. Vanni, Timothy H. Murphy**
MESONET: AUTOMATED SCALING AND SEGMENTATION OF MOUSE MESOSCALE CORTICAL MAPS USING MACHINE LEARNING
TRANSLATIONAL RESEARCH

Ruiyang Ge, Elizabeth Gregory, Afifa Humaira, Rebecca Todd, Sean Nestor, Sophia Frangou, Fidel Vila-Rodriguez
ACUTE FUNCTIONAL CONNECTIVITY CHANGES INDUCED BY REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION PREDICT THERAPEUTIC RESPONSE IN TREATMENT-RESISTANT DEPRESSION

Pankaj K. Gupta, Timothy H. Murphy
REAL-TIME NEURAL FEEDBACK OF MESOSCALE CORTICAL GCAMP6 SIGNALS FOR TRAINING MICE

Helen Hsiao, Todd Woodward
fMRI ANALYSIS OF FUNCTIONAL BRAIN NETWORKS INVOLVED IN MEMORY TASKS AND VISUAL AND VERBAL DISCRIMINATION TASKS IN HEALTHY INDIVIDUALS

Heather Palis, Bin Zhao, Tonia Nicholls, Amanda Slaunwhite
“RISK MITIGATION GUIDANCE” PRESCRIBING IN BRITISH COLUMBIA FOR PEOPLE AT RISK OF OVERDOSE DURING COVID-19

Nicole Sanford, Amirhossein Modabbernia, Sophia Frangou
INDIVIDUAL CHARACTERISTICS PREDICTING THE BIOLOGICAL AGE OF THE BRAIN IN YOUNG HEALTHY ADULTS

Gayatri Saraf, Nasim Vafai, Elham Shahinfard, Peter F. Liddle, Marjorie Gonzalez, Raymond W. Lam, Vesna Sossi, Lakshmi N. Yatham
A POSITRON EMISSION TOMOGRAPHY STUDY OF DOPAMINE TRANSPORTER AVAILABILITY IN CURRENT AND RECENTLY REMITTED MANIA

HIGH INCIDENCE OF RARE GENOMIC VARIANTS DRIVING PSYCHOSIS IN PATIENTS WITH TREATMENT-RESISTANT SCHIZOPHRENIA AND SCHIZOAFFECTIVE DISORDER
TRANSLATIONAL RESEARCH

Matthew D. Burkey, Carol L. Ward, Paul Carey, Petra Bader
VIRTUAL GROUP EDUCATION FOR RURAL PRIMARY CARE PROVIDERS: PROJECT ECHO FOR MENTAL HEALTH AND SUBSTANCE USE

Sarah Woolgar, David Kealy, Dan Cox, Shelly Ben-David
A MODERATION ANALYSIS OF TWO EMOTION REGULATION STRATEGIES BETWEEN ADVERSE CHILDHOOD EXPERIENCES AND BORDERLINE PERSONALITY DISORDER SYMPTOMS

Cameron L. Woodard, Marja D. Sepers, Matthew N. Hill, Lynn A. Raymond
CHRONIC JZL184 TREATMENT NORMALIZES IMPAIRED STRIATAL SYNAPTIC PLASTICITY AND MOTOR LEARNING IN YAC128 HUNTINGTON DISEASE MICE

CLINICAL RESEARCH

Marisha Boyd, Jane Kim
DEVELOPMENT OF METACOGNITIVE TRAINING FOR SUBSTANCE USE

Lianne L. Cho, William G. Honer, Skye P. Barbic
RASCH ANALYSIS OF THE BECK DEPRESSION INVENTORY IN A HOMELESS AND PRECARIOUSLY HOUSED SAMPLE

Alexandra Driedger, Katelynn Boerner, Ursula Brain, Deirdre Ryan, Tim Oberlander
COGNITIVE FUNCTIONING IN WOMEN 6 YEARS AFTER PRENATAL DEPRESSION

Avarna Fernandes, Suja Srikameswaran, Julia Raudzus, Patty Yoon, Josie Geller
UNDERSTANDING VIRTUAL CARE EXPERIENCES DURING THE COVID-19 PANDEMIC: PERSPECTIVES FROM A TERTIARY EATING DISORDERS PROGRAM

Robin Friedlander, Anamaria Richardson, Mary Glasgow-Brown, Katie Allen, Qian Zhang, Alison Fong
CHARACTERISTICS OF CHILDREN WITH AUTISM AND RELATED NEURODEVELOPMENTAL DISORDERS PRESENTING WITH SEVERE SELF-INJURIOUS BEHAVIOURS AT A TERTIARY CARE CENTER IN VANCOUVER, BRITISH COLUMBIA
Afifa Humaira, Sihaoyu Gao, Elizabeth Gregory, Lisa Ridgway, Daniel M. Blumberger, Jonathan Downar, Zafiris J. Daskalakis, Nicholas J. Ainsworth, Lang Wu, Michael Butterfield, Fidel Vila-Rodriguez
A PATIENT-ORIENTED ANALYSIS OF PAIN SIDE EFFECT: A STEP TO IMPROVE THE PATIENT'S EXPERIENCE DURING rTMS?

Laura Jones, Angel Wang, Daniel Vigo
HELP-SEEKING BEHAVIOURS AMONGST B.C. UNIVERSITY STUDENTS WITH SUICIDAL PLAN AND INTENT

David D. Kim, Alasdair M. Barr, Lulu Lian, Jessica W. Y. Yuen, Diane Fredrikson, William G. Honer, Allen E. Thornton, Ric M. Procyshyn
EFFICACY AND TOLERABILITY OF ARIPIPRAZOLE VERSUS D2 ANTAGONISTS IN THE EARLY COURSE OF SCHIZOPHRENIA: A SYSTEMATIC REVIEW AND META-ANALYSIS

Jacqueline S. Lee, Lisa Ridgway, Fidel Vila-Rodriguez, Guy Faulkner
ACCEPTABILITY OF EXERCISE AS AN ADJUNCT TO REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION FOR TREATMENT-RESISTANT DEPRESSION: A PATIENT-ORIENTED COLLABORATION STUDY

Calista Leung, Julia Pei, Farhud Shams, Richard Munthali, Daniel Vigo
THE EFFECTS OF NON-CLINICIAN GUIDANCE ON EFFECTIVENESS AND ADHERENCE OUTCOMES OF NONCLINICIAN GUIDED DIGITAL MENTAL HEALTH INTERVENTIONS: A SYSTEMATIC REVIEW AND META-ANALYSIS

FUNCTIONAL OUTCOMES WITH BRIGHT LIGHT IN MONOTHERAPY AND COMBINED WITH FLUOXETINE IN PATIENTS WITH MAJOR DEPRESSIVE DISORDER: RESULTS FROM THE LIFE-D TRIAL

Ryan Knebel, Adeeb Malas, Rob Grmek, Patrick Yeh
EDUCATION OF PSYCHOTROPIC PRESCRIBING IN PSYCHIATRIC CLERKSHIP

Roxanne Mitchell, Wei-Yi Song
BIPOLAR EDUCATION GROUP QUALITY OF LIFE STUDY
Emma Morton, Jennifer Nicholas, Laura Lapadat, Heather L. O’Brien, Steven J. Barnes, Caden Poh, Erin E. Michalak

**USE OF SMARTPHONE APPS IN BIPOLAR DISORDER: AN INTERNATIONAL WEB-BASED SURVEY OF FEATURE PREFERENCES AND PRIVACY CONCERNS**


**OPIUM TRIAL: A RANDOMIZED CONTROLLED CLINICAL TRIAL COMPARING OPIUM TINCTURE WITH METHADONE FOR OPIOID SUBSTITUTION TREATMENT**

John-Jose Nunez, Raymond Ng, Alan Bates

**DO CANCER PSYCHIATRISTS SAVE LIVES? INITIAL ANALYSIS OF SURVIVAL AND OTHER DATA AT BC CANCER**

Eric Paulsen, Kevala Van Volkenburg, Sarah Gray

**RELATIONSHIP BETWEEN SYMPTOM SEVERITY AND HEALTH BEHAVIOURS IN YOUNG ADULTS FOLLOWING ONSET OF PSYCHOSIS RELATED ILLNESS**

Julia Pei, Laura Jones, Melissa Vereschagín, Chris Richardson, Daniel Vigo

**TREATMENT-SEEKING BEHAVIOURS AND BARRIERS IN POST-SECONDARY STUDENTS**

Chantal M. Percival, Hafsa B. Zahid, Todd S. Woodward

**TASK-BASED BRAIN NETWORKS DETECTABLE WITH fMRI**

Dianne Semeniuk, Katelynn Boerner, Ursula Brain, Tim F. Oberlander

**PARENTING STRESS AS A MEDIATOR IN THE RELATIONSHIP BETWEEN POSTPARTUM MATERNAL DEPRESSIVE SYMPTOMS AND EARLY CHILDHOOD INTERNALIZING BEHAVIOUR**

Martina Smit, Marietta Van Den Berg, Christy Hildebrand, Alexander Chapman, Adina Muresan, Hoi Cheng, Olesha Ratther

**ADAPTING STANDARD DIALECTICAL BEHAVIOR THERAPY (DBT) TO A PUBLIC COMMUNITY MENTAL HEALTH PROGRAM: EXPLORATION OF BARRIERS AND ALTERNATIVES TO 24/7 PHONE COACHING**
DIFFERENTIAL AGE-ASSOCIATED DECLINE IN MRI METRICS OF BRAIN HEALTH AMONG PRECARIOUSLY HOUSED INDIVIDUALS COMPARED TO THE GENERAL POPULATION

Andy Man Yeung Tai, Alireza Kazemi, Amanda Slaunwhite, Kerry Jang, Michael Reinhard Krausz
THE APPLICATION OF MACHINE LEARNING METHODS AND PREDICTIVE MODELLING IN THE FIELD OF ADDICTION PSYCHIATRY

Megan Udala, Laura Walzak, Mahesh Menon, Ivan Torres
A SYSTEMATIC REVIEW OF COGNITIVE FUNCTIONING IN PATIENTS WITH TREATMENT RESISTANT SCHIZOPHRENIA

Melissa Vereschagin, Angel Wang, Ashlin Zargar, Daniel Vigo
DEVELOPMENT OF A MENTAL HEALTH AND SUBSTANCE USE INTERVENTION FOR UNIVERSITY STUDENTS

Clara Westwell-Roper, John Best, Dean Elbe, Megan MacFadden, Susan Baer, Lori B. Tucker, Antony Au, Zainab Naqqash, Boyee Lin, Cynthia Lu, Evelyn Stewart
CELECOXIB VERSUS PLACEBO AS AN ADJUNCT TO TREATMENT-AS-USUAL IN CHILDREN AND YOUTH WITH OBSESSIVE-COMPULSIVE DISORDER: A SINGLE-SITE RANDOMIZED QUADRUPLE-BLIND PHASE II STUDY

CEREBRAL SMALL VESSEL DISEASE IN INDIVIDUALS EXPERIENCING HOMELESSNESS OR PRECARIOUS HOUSING

Jeff Zhan, Elizabeth Gregory, Afifa Humaira, Hubert Wong, Ruiyang Ge, Fidel Vila-Rodriguez
TRAJECTORIES OF RESPONSE AND SUICIDAL IDEATION TO 1HZ STIMULATION IN PATIENTS WITH TREATMENT-RESISTANT DEPRESSION
Welcome to the 2021 UBC Psychiatry Virtual Research Day!

Attendee Registration

Register at https://ubc.ca1.qualtrics.com/jfe/form/SV_cHBMLxVkJFlAgYFVQ to get the Panopto Event Link.

Presenter Q&As

Go to https://www.sli.do/ and enter Event Code #80996:

- Click on the “Q&A” icon and submit your questions during the talk
- The moderator will deliver submitted questions to the presenter following the talk, as time permits
- During the Lightning Talks, please identify the speaker to whom your question is addressed

ePoster Gallery

Go to https://psychiatry.ubc.ca/research/2021-ubc-psychiatry-virtual-research-day/eposter-gallery/ to view the ePoster Gallery (open for viewing on Monday May 24).

Lightning Talk and Poster Awards

Go to https://www.sli.do/ and enter Event Code #80996:

- Click on the “Polls” icon and submit your vote for the Lightning Talk and Poster Awards
- Award winners will be announced during the Closing Remarks