



THE UNIVERSITY OF BRITISH COLUMBIA

Department of Psychiatry
Faculty of Medicine

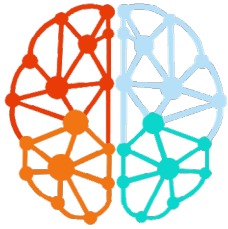
2023 UBC Department of Psychiatry

ANNUAL RESEARCH DAY



Thursday June 8, 2023 | UBC Life Sciences Centre

EVENT PROGRAM



Welcome to the

UBC DEPARTMENT OF PSYCHIATRY

2023 ANNUAL RESEARCH DAY

Thursday June 8th, 2023 | 9:00am to 3:30pm | UBC LSC

IN-PERSON ATTENDEE REGISTRATION

In-person attendees who registered by May 15 will have also submitted a lunch option. Lunch cannot be guaranteed for late registrants.

ZOOM LOG-IN FOR VIRTUAL ATTENDEES

Those who are in remote locations and/or are not able to join in person will now be able to attend all presentations virtually via Zoom. Please follow the instructions below:

- Step 1:** Open <https://ubc.zoom.us/> and click on '**Join a Meeting**'.
- Step 2:** Enter the Zoom Meeting ID **96335 219366** then click '**Join**'.
- Step 3:** If you have the Zoom client click '**Open Zoom Meetings**,' otherwise, click '**join from your browser**'.
- Step 4:** Enter **219366** in the passcode field then click '**Join Meeting**'.

ePOSTER GALLERY

Go to <https://psychiatry.ubc.ca/research/2023-ubc-psychiatry-annual-research-day/eposter-gallery/> to view the ePoster Gallery (open for viewing on Friday June 2).

Q&A FOR VIRTUAL ATTENDEES

Go to <https://www.sli.do/> and enter Event Code **#80996** or click on the direct link **here**:

- 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

LIGHTNING TALK & POSTER AWARDS

Go to <https://www.sli.do/> and enter Event Code **#80996** or click on the direct link **here**:

- Click on the "Polls" icon
- Entry of your full name is required for your vote to be counted (only administrators will be able to view); duplicate votes will be omitted.

EVENT AGENDA

8.00am - 9.00am	Attendee Sign-In / Zoom Sign-in (Virtual Attendees)
9.00am - 9.05am	Opening Remarks Dr. Sophia Frangou
9.05am - 9.15am	State of the Department Address Dr. Lakshmi Yatham
9.15am - 10.00am	Lightning Talks: Set A Moderator: Dr. Clare Beasley Dr. Ruiyang Ge Normative Modeling of Brain Morphometry Across the Lifespan Using CentileBrain: Algorithm Benchmarking and Model Optimization Ms. Si-ah Choi Levels of Inhibitor Proteins of the Immune System in Schizophrenia and Bipolar Disorder: SUSD4 and SEZ6 Ms. Hallee Shearer Movie-watching as an alternative to resting state for precision psychiatric fMRI research Ms. Ava Momeni Whole-brain Networks and Component Cognitive Processes Underpinnings of Event Simulation Dr. Nicole Sanford Modifiable risk factors affecting brain aging in mid-age to elderly depression
10.00am - 10.30am	30-Minute Break / Poster Viewing
10.30am - 11.30am	Plenary Lecture What is the current state-of-the-art approach to early intervention in psychosis? Dr. George Foussias , Provincial Clinical Lead, Psychosis and Schizophrenia for the Mental Health and Addictions Centre of Excellence, Ontario Health Moderator: Dr. Sophia Frangou

11.30am - 12.30pm	Lightning Talks: Set B Moderator: Dr. Tim Murphy Ms. Lianne Cho , Longitudinal associations of depressive symptom severity, suicidal ideation, psychopathology, trauma, and substance use in a precariously housed sample Dr. Catriona Hippman Postpartum psychiatric hospital admissions: A population-based study from British Columbia, Canada Dr. Quinten Clarke Stimulant Use Disorder on Campus: Characteristics of Canadian University Students Dr. Rajakumari Pampa Reddy Putative cognitive decliners versus non decliners in first episode mania Dr. Rebecca Zivanovic Attitudes and preferences of women with schizophrenia and bipolar disorder and their mental health care providers toward contraception counseling, provision and methods Dr. Alexander Levit , Descriptive and network analyses of psychiatric symptoms and neuroimaging correlates in Parkinson Disease
12.30pm - 1.30pm	Lunch and Poster Viewing / Voting
1.30pm - 2.00pm	Faculty Lecture Fishing for Complements: Emerging Associations Between the Complement System and Schizophrenia Dr. Clare Beasley , Associate Professor, UBC Psychiatry Moderator: Dr. Sophia Frangou
2.00pm - 2.30pm	Ketamine & Psychedelics: Rapid-Acting Antidepressants & the Ketamine Intervention Program at VCH Dr. Joseph Tham , Clinical Associate Professor, UBC Psychiatry Moderator: Dr. Sophia Frangou
2.30pm - 3.30pm	Awards and Closing Remarks Dr. Joseph Tham & Dr. Tim Murphy

ON-SITE POSTER PRESENTATIONS

Poster 1: [LONGITUDINAL DIFFUSION TENSOR IMAGING OF TRAUMATIC BRAIN INJURY IN A COHORT OF PRECARIOUSLY HOUSED INDIVIDUALS: A PRE-POST STUDY WITH CONTROLS](#) | **Yomna H. Takieldean**, Jacob L. Stubbs, Emily M. Livingston, Johnson Chen, Talia Vertinsky, Ava Grier, Breanna Nelson, Raju Heran, Donna J. Lang, Alasdair M. Barr, William G. Honer, Allen E. Thornton, & William J. Panenka.

Poster 2: [RIGHT ON TRACK: DO YOU NEED TO CERTIFY THEM?](#) | **Jessica Chin**, Angela Walsh, Teresa Tai, Dayle Ostapiuk, Mehar Kang, Tristan Willis, Meghan Ho, & Anyssa Shakeri.

Poster 3: [MINDER FOR YOUNGER MINDS: USING QUALITATIVE FOCUS GROUP SESSIONS TO ADAPT A MENTAL HEALTH AND SUBSTANCE USE E-INTERVENTION FOR SECONDARY SCHOOL STUDENTS](#) | **Borna Atrchian**, Fiona Choi, Melissa Vereschagin, Angel Y. Wang, Kristen L. Hudec, & Daniel Vigo.

Poster 4: [A COMPARISON OF PEOPLE WITH A SEXUAL OFFENCE AND PEOPLE WITH A NON-SEXUAL OFFENCE: SUBSTANCE USE PATTERNS, MENTAL HEALTH NEEDS, AND CONCURRENT DISORDERS](#) | **Austin Lam**, Tonia Nicholls, Amanda Butler, Sirui Wu, Maureen Olley, & Leigh Greiner.

Poster 5: [ADJUNCTIVE ANTIDEPRESSANT THERAPY FOR ACUTE BIPOLAR I DEPRESSION: A MULTI-CENTER OPEN LABEL TRIAL](#) | **Nellai K Chithra Pream Raju**, Yongdong Ouyang, Shyam Sundar Arumugham, Muralidharan Kesavan, Hubert Wong, Janardhan Reddy, & Lakshmi, N. Yatham.

Poster 6: [PRELIMINARY RESULTS OF A SCOPING REVIEW ON FACTORS INFLUENCING DELAYS IN THE DIAGNOSIS AND TREATMENT OF BIPOLAR DISORDER](#) | **Alexander Levit**, John-Jose Nunez, Emma Morton, & Kamyar Keramatian.

Poster 7: [MESOGAN: A GENERATIVE ADVERSARIAL FRAMEWORK FOR MESOSCALE CORTICAL ACTIVITY DECODING, BEHAVIOR RECONSTRUCTION, AND MIND READING](#) | **Dongsheng Xiao**, Bo Zhao, & Timothy H. Murphy.

Poster 8: [INVESTIGATING THE PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF TRANSCRANIAL ALTERNATING CURRENT STIMULATION \(TACS\)](#) | **Abhijit M. Chinchani**, Crystal Han, Ella Weik, Jessica Khangura, John Krotez, Meighen Roes, Christine Tipper, & Todd S. Woodward.

Poster 9: [PERFORMANCE EVALUATION OF NEUROANATOMICALLY-BASED BRAIN AGE MODELS THROUGHOUT THE LIFESPAN](#) | **Yuetong (Jordan) Yu**, Hao Qi Cui, Ruiyang Ge, & Sophia Frangou.

Poster 10: [EXPLAINING INDIVIDUAL DIFFERENCES IN COGNITION FROM SYMPTOMS OF SCHIZOPHRENIA](#) | **Rafal M. Skiba**, Abhijit M. Chinchani, Mahesh Menon, Martin Lepage, Joel O. Goldberg, R. Walter Heinrichs, David Castles, Amy Burns, Michael W. Best, Susan Rossell, & Todd S. Woodward.

Poster 11: [TASK-BASED WORKING MEMORY FUNCTIONAL BRAIN NETWORKS DETECTABLE BY FMRI](#) | **Huan N. N. Ly** & Todd S. Woodward.

Poster 12: [COMMUNITY GARDENS AS PSYCHOSOCIAL INTERVENTIONS FOR REFUGEES AND MIGRANTS: A NARRATIVE REVIEW](#) | **Triya T. Ramburn**, Yufei Wu, & Rachel Kronick.

Poster 13: [THE ROLE OF OPIOID PRESCRIPTION ON UNIVERSITY STUDENTS' PROBLEMATIC USE OF OPIOIDS](#) | **Priscilla Paz**, Angel Y. Wang, Tiana Mori, Chris Richardson, Quinten Clarke, & Daniel Vigo.



ePOSTER PRESENTATIONS

BASIC SCIENCE & TRANSLATIONAL RESEARCH

MINDER FOR YOUNGER MINDS: USING QUALITATIVE FOCUS GROUP SESSIONS TO ADAPT A MENTAL HEALTH AND SUBSTANCE USE E-INTERVENTION FOR SECONDARY SCHOOL STUDENTS | **Borna Atrchian**, Fiona Choi, Melissa Vereschagin, Angel Y. Wang, Kristen L. Hudec, & Daniel Vigo.

HYPOACTIVATION OF THE LINGUISTIC PROCESSING NETWORK CONTRIBUTES TO HALLUCINATIONS | **Luca Besso**, Sara Larivière, Meighen Roes, Lily Yip, Nicole Sanford, Chantal Percival, Matteo Damascelli, Ryan Lim, Reka Enz, Aly Moscovitz, Mahesh Menon, Branislava Ćurčić-Blake, André Aleman & Todd Woodward.

WHOLE-BRAIN TASK-BASED BOLD NETWORKS: PRESENTING THE 'BIG FIVE' FOR WORKING MEMORY | **Linda V. Chen**, Eva Feredoes, Nicole Sanford, John Shahki, & Todd S. Woodward.

INVESTIGATING THE PHYSIOLOGICAL AND BEHAVIORAL EFFECTS OF TRANSCRANIAL ALTERNATING CURRENT STIMULATION (TACS) | **Abhijit M. Chinchani**, Crystal Han, Ella Weik, Jessica Khangura, John Krotez, Meighen Roes, Christine Tipper, & Todd S. Woodward.

LEVELS OF INHIBITOR PROTEINS OF THE IMMUNE SYSTEM IN SCHIZOPHRENIA AND BIPOLAR DISORDER: SUS4 AND SEZ6 | **Si-ah Choi**, Li Shao, & Clare L. Beasley.

NORMATIVE MODELING OF BRAIN MORPHOMETRY ACROSS THE LIFESPAN USING CENTILEBRAIN: ALGORITHM BENCHMARKING AND MODEL OPTIMIZATION | **Ruiyang Ge**, Yuetong Yu, Yi Xuan Qi, Yunan Fan, Faye New, Shalaila Haas, Paul Thompson, & Sophia Frangou

BRAIN PERICYTES ARE HIGHLY VULNERABLE TO OXIDATIVE STRESS | **Chris Groten**, Stefan Wendt, Nicholas Weiling, Louis-Philippe Bernier, Sarah Ebert, Morgan Towriss, & Brian MacVicar.

THE ROLE OF OPIOID PRESCRIPTION ON UNIVERSITY STUDENTS' PROBLEMATIC USE OF OPIOIDS | **Priscilla Paz**, Angel Y. Wang, Tiana Mori, Chris Richardson, Quinten Clarke, & Daniel Vigo.

MODIFIABLE RISK FACTORS AFFECTING BRAIN AGING IN MID-AGE TO ELDERLY DEPRESSION | **Nicole Sanford**, Ruiyang Ge, & Sophia Frangou.

FUNCTIONAL ASSESSMENT OF A LANGUAGE-BASED FMRI BRAIN NETWORK: THE EXTRACTION OF MEANING NETWORK | **John Shahki**, Erica Zeng, Luca Besso, & Todd S. Woodward.

MOVIE-FMRI AS AN ACQUISITION STATE FOR FUNCTIONAL CONNECTIVITY-BASED PRECISION PSYCHIATRY | **Hallee Shearer**, Fidel Vila-Rodriguez, & Tamara Vanderwal.

LONGITUDINAL DIFFUSION TENSOR IMAGING OF TRAUMATIC BRAIN INJURY IN A COHORT OF PRECARIOUSLY HOUSED INDIVIDUALS: A PRE-POST STUDY WITH CONTROLS | **Yomna H. Takieldean**, Jacob L. Stubbs, Emily M. Livingston, Johnson Chen, Talia Vertinsky, Ava Grier, Breanna Nelson, Raju Heran, Donna J. Lang, Alasdair M. Barr, William G. Honer, Allen E. Thornton, & William J. Panenka.

PANX1 OPENING IN CYTOTOXIC EDEMA TRIGGERS NEURONAL DEATH BUT ALSO PROVIDES SECONDARY PROTECTION VIA MICROGLIA RECRUITMENT |

Nicholas L. Weiling, Kai Yang, Hyun B. Choi, Christopher J. Groten, Stefan Wendt, Madhuvika Murugan, Leigh E. Wicki-Stordeur, Louis-Philippe Bernier, Prashanth S. Velayudhan, Jiaying Zheng, Jeffrey M. LeDue, Ravi L. Rungta, John R. Tyson, Terrance P. Snutch, Long-Jun Wu, & Brian A. MacVicar

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CLINICAL RESEARCH

STRUCTURAL BRAIN DIFFERENCES AFTER INFECTION WITH VARIOUS SARS-COV-2 VARIANTS OF CONCERN | Breanna Nelson, **Alysha Alimohamed**, Nishtha Parag, Portia Kuivi, Lea Farah, Catie Song, Harneet Bariana, Bella Way, Chiara DeMarni, Lily Xu, Tala Bagh, Ava Grier, Jacob Stubbs, Megan Harper, Wayne Su, Vesna Sossi, Mypinder Sekhon, Jonathan Stoessl, Cheryl Wellington, Noah Silverberg, Donna Lang, & William Panenka.

FEASIBILITY OF DELIVERING A COGNITIVE BEHAVIOURAL THERAPY-BASED RESILIENCE CURRICULUM TO YOUNG MOTHERS BY PUBLIC HEALTH NURSES | **Thyna Catamaran**, Calan Savoy, Haley Layton, Ellen Lipman, Khrista Boylan, & Ryan J. Van Lieshout.

RIGHT ON TRACK: DO YOU NEED TO CERTIFY THEM? | **Jessica Chin**, Angela Walsh, Teresa Tai, Dayle Ostapiuk, Mehar Kang, Tristan Willis, Meghan Ho, & Anyssa Shakeri.

LONGITUDINAL ASSOCIATIONS OF DEPRESSIVE SYMPTOM SEVERITY, SUICIDAL IDEATION, PSYCHOPATHOLOGY, TRAUMA, AND SUBSTANCE USE IN A PRECARIOUSLY HOUSED SAMPLE | **Lianne L. Cho**, Andrea A. Jones, Geoffrey N. Smith, Skye P. Barbic, & William G. Honer.

STIMULANT USE DISORDER ON CAMPUS: CHARACTERISTICS OF CANADIAN UNIVERSITY STUDENTS | **Quinten K. Clarke**, Angel Y. Wang, Priscilla Paz, & Daniel Vigo.

AN EVALUATION OF A TWO-YEAR VIRTUAL CONTINGENCY MANAGEMENT GROUP | **Stuart Hartsook** & Anne Crawford.

POSTPARTUM PSYCHIATRIC HOSPITAL ADMISSIONS: A POPULATION-BASED STUDY FROM BRITISH COLUMBIA | **Catriona Hippman**, Paramdeep Kaur, Deirdre Ryan, & Gillian Hanley.

THE BOTANICAL FORMULATION OF TGIR SHOWS PROMISE AS A NON-OPIOID APPROACH TO MANAGING OPIOID WITHDRAWAL SYNDROME | **Jane J. Kim**, Tam To, Cassandra Choles, Lukas Linde, Fiona Choi, Michael Krausz, & Pouya Rezazadeh-Azar.

IMPROVING ADDICTION CARE AT BURNABY HOSPITAL: DISSEMINATING SUBSTANCE USE KNOWLEDGE THROUGH DIGITAL MODALITIES | **Vanessa Kong** & Lingsa Jia.

CAPTURING PSYCHOSOCIAL STRESSORS DURING THE COVID-19 PANDEMIC IN A POPULATION-BASED COHORT: CANADIAN COHORT OBSTRUCTIVE LUNG DISEASE (CANCOLD) STUDY | **Laura Labonté**, B. Walker, W. Tan, J. Bourbeau, P. Hernandez, K.R. Chapman, D. O'Donnell, F. Maltais, S. Aaron, D. Marciniuk, & David Kealy.

A COMPARISON OF PEOPLE WITH A SEXUAL OFFENCE AND PEOPLE WITH A NON-SEXUAL OFFENCE: SUBSTANCE USE PATTERNS, MENTAL HEALTH NEEDS, AND CONCURRENT DISORDERS | **Austin Lam**, Tonia Nicholls, Amanda Butler, Sirui Wu, Maureen Olley, & Leigh Greiner.

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PUTATIVE COGNITIVE DECLINERS VERSUS NON DECLINERS IN FIRST EPISODE MANIA | **Rajakumari P. Reddy**, Ivan J. Torres, & Lakshmi N. Yatham.

CLINICAL RESEARCH

EVALUATING THE EFFECTIVENESS OF THE RAISING RESILIENT KIDS PARENTING PROGRAM | **Emily Shelton** & Joanna Cheek.

EXPLAINING INDIVIDUAL DIFFERENCES IN COGNITION FROM SYMPTOMS OF SCHIZOPHRENIA | **Rafal M. Skiba**, Abhijit M. Chinchani, Mahesh Menon, Martin Lepage, Joel O. Goldberg, R. Walter Heinrichs, David Castles, Amy Burns, Michael W. Best, Susan Rossell, & Todd S. Woodward.

LIFESAVING MEASURE: IMPROVING PROVISION OF TAKE-HOME NALOXONE KITS | **Daniel Wong** & Lingsa Jia.

INSIGHTS INTO NEUROPSYCHOLOGICAL ASSESSMENT RATES OF PARTICIPATION IN THE BC PSYCHOSIS PROGRAM | **Daniah Zumrawi**, Mahesh Menon, Brianne Glazier, Laura Walzak, Randall White, William Honer, & Ivan Torres.



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