



THE UNIVERSITY OF BRITISH COLUMBIA

Department of Psychiatry  
Faculty of Medicine

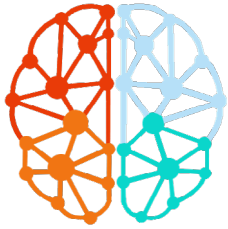
2022 UBC Department of Psychiatry

# ANNUAL RESEARCH DAY



Thursday June 9, 2022 | UBC Life Sciences Centre

# EVENT PROGRAM



Welcome to the

UBC DEPARTMENT OF PSYCHIATRY

# 2022 ANNUAL RESEARCH DAY

Thursday June 9th, 2022 | 8:45am 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/2022-research-day/eposter-gallery/> to view the ePoster Gallery (open for viewing on Friday June 3).

## 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 to vote
- 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

8.30am - 9.00am	Attendee Sign-In / Zoom Sign-in (Virtual Attendees)
9.00am - 9.05am	Opening Remarks <b>Dr. Sophia Frangou</b>
9.05am - 9.15am	State of the Department Address <b>Dr. Lakshmi Yatham</b>
9.15am - 10.15am	Lightning Talks: First Set (Moderator: Dr. Trisha Chakrabarty)  <b>Ms. Elizabeth Gregory:</b> Is SGC-DLPFC Individualized Functional Targeting for rTMS in Treatment-Resistant Depression Associated With Better Outcomes?  <b>Dr. Ruiyang Ge:</b> Neuroimaging-Based Profiling Identifies Distinct Transdiagnostic Subtypes of Youth with Mood and Anxiety Disorders at the Transition to Adolescence  <b>Mr. Ahmad Samara:</b> Macroscale cortical organization during naturalistic viewing  <b>Dr. John-Jose Nunez:</b> Using Artificial Intelligence to Predict Which Cancer Patients Will Need to See Psychiatry Based On Their Initial Oncologist Consultation  <b>Ms. Qing Zhang:</b> Cleavage of CNTNAP2 by furin, ADAM10/17, and $\gamma$ -secretase and its effect on autism spectrum disorders  <b>Ms. Natasha Verzosa:</b> Assessing the utility of pharmacogenomic (PGx) testing in a cohort with treatment resistant schizophrenia (SCZ) or schizoaffective disorder (SZAD)
10.15am - 10.30am	15-Minute Break / Poster Viewing
10.30am - 11.30am	Addiction: A Disorder of Decision Making? <b>Dr. Christian Schütz. Professor (Partner), UBC Psychiatry</b> (Moderator: Dr. Sophia Frangou)

11.30am - 12.30pm	Lightning Talks: Second Set (Moderator: Dr. Tim Murphy)  <b>Ms. Judy Cheng:</b> Age-specific motor and cognitive deficits in the Q175/B6 mouse model of Huntington's disease  <b>Dr. Angela Russolillo:</b> Association of Homelessness and Psychiatric Readmission - A Retrospective Cohort Study 2016 - 2020  <b>Ms. Priya Johal:</b> Relationship Between Childhood Maltreatment and Substance Use Relapse During Treatment in Patients with Co-occurring Mental Disorders and Substance Use Disorders  <b>Ms. Karling Luciani:</b> Childhood Neglect Predicts Perceived Quality of Care in Patients With Co-occurring Substance Use and Mental Disorders  <b>Ms. Angel Wang:</b> The Student e-Mental Health Survey: Findings from a weekly mental health and substance use survey of Canadian university students  <b>Mr. David Kim:</b> Efficacy of aripiprazole augmentation of non-clozapine antipsychotics in schizophrenia: a systematic review and meta-analysis of randomized controlled trials
12.30pm - 1.30pm	Lunch and Poster Viewing / Voting
1.30pm - 2.00pm	Fetal microglia mediate sex-specific neurodevelopmental responses to maternal stress <b>Dr. Jessica Rosin, Assistant Professor, UBC Dentistry</b> (Moderator: Dr. Sophia Frangou)
2.00pm - 2.30pm	Concurrent TMS-fMRI as a tool to interrogate the mechanism of action of rTMS in depression <b>Dr. Fidel Vila-Rodriguez, Assistant Professor, UBC Psychiatry</b> (Moderator: Dr. Sophia Frangou)
2.30pm - 3.30pm	Awards and Closing Remarks <b>Dr. Trisha Chakrabarty &amp; Dr. Tim Murphy</b>

# POSTER PRESENTATIONS

**Poster #1:** [Ruiyang Ge, Yuetong Yu, Yi Xuan Qi, Yunan Fan, Faye New, Shalaila Haas, Paul Thompson, Sophia Frangou. OPTIMIZING LIFESPAN NORMATIVE MODELS FOR REGIONAL SUBCORTICAL VOLUME, CORTICAL THICKNESS, AND SURFACE AREA](#)

**Poster #2:** [Nicole Sanford, Amirhossein Modabbernia, Sophia Frangou. NEUROBIOLOGICAL UNDERPINNINGS OF MACROSCALE CORTICAL CHANGES RELATED TO ACCELERATED AND DECELERATED BRAIN AGING](#)

**Poster #3:** [Laura Jones, Angel Y Wang, Daniel Vigo. STUDENT E-MENTAL HEALTH SURVEY RISK MITIGATION PROTOCOL UPDATE: IDENTIFICATION OF UNIVERSITY STUDENTS AT INCREASED RISK OF SUICIDE](#)

**Poster #4:** [Priscilla Silva da Paz, Angel Y Wang, Tiana Mori, Daniel Vigo. OPIOID USE AMONG CANADIAN UNIVERSITY STUDENTS](#)

**Poster #5:** [Melissa Vereschagin, Angel Y Wang, Chris Richardson, Daniel Vigo. MINDER PILOT STUDY: INITIAL FINDINGS ON THE FEASIBILITY OF AN E-INTERVENTION FOR UNIVERSITY STUDENTS](#)

**Poster #6:** [Melissa Vereschagin, Angel Y Wang, Chris Richardson, Daniel Vigo. CO-DEVELOPMENT OF MINDER: A COMPREHENSIVE MENTAL HEALTH AND SUBSTANCE USE APPLICATION FOR UNIVERSITY STUDENTS](#)

**Poster #7:** [Ellen T Koch, Marja Sepers, Judy Cheng, Lynn A Raymond. ALTERED STRIATAL ACTIVITY AND MOTOR KINEMATICS IN A MOUSE MODEL OF HUNTINGTON DISEASE](#)

**Poster #8:** [Jane J Kim, Fiona Choi, Kerry Jang, Michael Krausz. IMPACTS OF EARLY AND LATE HOMELESSNESS ON ADULTHOOD CONSEQUENCES](#)

**Poster #9:** [Charles Lee, Thomas Clarito, Farrandi Hernando, Sylvia Zhang, Dylan Gunn and Fidel Vila-Rodriguez. DEVELOPING A TRANSCRANIAL MAGNETIC STIMULATOR DEMONSTRATION FOR EDUCATIONAL PURPOSES](#)

**Poster #10:** [Mattias Yim, Elizabeth Gregory, Ivan Torres, Fidel Vila-Rodriguez. USING NETWORK ANALYSIS TO IDENTIFY THE RELATIONSHIP BETWEEN COGNITIVE SYMPTOMS AND PATIENT VARIABLES IN PATIENTS WHO HAVE TREATMENT-RESISTANT DEPRESSION](#)

**Poster #11:** [Alexander Levit, Fidel Vila-Rodriguez. DESCRIPTIVE AND NETWORK ANALYSES OF PSYCHIATRIC SYMPTOMS IN PARKINSON DISEASE](#)

**Poster #12:** [Armaan Rajan, Jessica Ahn, Tonia L Nicholls, Karen Peterson, Alison MacPhail, Christopher D. Webster. IN-PERSON VERSUS VIRTUAL FORENSIC REVIEW BOARD HEARINGS: PRELIMINARY RESULTS OF A COMPARISON OF PATIENT, STAFF, & REVIEW BOARD MEMBERS' PERSPECTIVES](#)

**Poster #13:** [Trevor Fowler, Leonardo Arreaza, Reka Enz, Todd S Woodward. CHARACTERIZATION OF HEMODYNAMIC RESPONSE PLOTS PRODUCED FROM TASK-BASED FMRI DATA](#)

**Poster #14:** [Ava Momeni, Todd S Woodward. FUNCTIONAL BRAIN NETWORKS UNDERLYING SELECTIVE ATTENTION IN SCHIZOPHRENIA](#)

**Poster #15:** [Abhijit M Chinchani, Ella Weik, Jessica Khangura, John Krotez, Meighen Roes, Christine Tipper, Todd S Woodward. NEED FOR PERSONALIZED PHASE-MATCHED TRANSCRANIAL ALTERNATING CURRENT STIMULATION?](#)

**Poster #16:** [Tanisse Teale, Thomas Chao, Christian G Schütz. PATIENTS WITH A HISTORY OF FOSTER CARE ARE AT HIGHER RISK FOR DRUG OVERDOSE](#)

**Poster #17:** [Karina A Thiessen, Karling R Luciani, Thomas Chao, Christian G Schütz. USE OF PAIN MEDICATION AND CANNABIS BY AGE GROUPS BEFORE AND AFTER LEGALIZATION OF CANNABIS: AN INVESTIGATION OF TRENDS FROM 2017 TO 2019 IN A REPRESENTATIVE SAMPLE OF CANADA](#)

**Poster #18:** [Joanna Pater, Myriam Juda, Ralph E Mistlberger, Christian G Schütz. SLEEP AND REST-ACTIVITY RHYTHMS IN INPATIENTS WITH COMPLEX CONCURRENT DISORDER](#)



# ePOSTER PRESENTATIONS

## BASIC SCIENCE & TRANSLATIONAL RESEARCH

Brandon S Chai, Harrison J Lee, Vivian WL Tsang, Michelle CQ Lin, Andrew Howard, Christopher Uy, Julius O Elefante. [PUTATIVE MECHANISMS FOR THE TREATMENT OF DEPRESSION WITH PSILOCYBIN: A SYSTEMATIC REVIEW](#)

Judy Cheng, Ellen T Koch, Lynn Raymond. [AGE-SPECIFIC MOTOR AND COGNITIVE DEFICITS IN THE Q175/B6 MOUSE MODEL OF HUNTINGTON'S DISEASE](#)

Abhijit M Chinchani, Ella Weik, Jessica Khangura, John Krotez, Meighen Roes, Christine Tipper, Todd S. Woodward. [NEED FOR PERSONALIZED PHASE-MATCHED TRANSCRANIAL ALTERNATING CURRENT STIMULATION?](#)

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Ruiyang Ge, Amirhossein Modabbernia, Roberto Sassi, Lakshmi Yatham, Sophia Frangou. [OPTIMIZING LIFESPAN NORMATIVE MODELS FOR REGIONAL SUBCORTICAL VOLUME, CORTICAL THICKNESS, AND SURFACE AREA](#)

Ruiyang Ge, Yuetong Yu, Yi Xuan Qi, Yunan Fan, Faye New, Shalaila Haas, Paul Thompson, Sophia Frangou. [NEUROIMAGING-BASED PROFILING IDENTIFIES DISTINCT TRANSDIAGNOSTIC SUBTYPES OF YOUTH WITH MOOD AND ANXIETY DISORDERS AT THE TRANSITION TO ADOLESCENCE](#)

Laura Jones, Angel Y Wang, Daniel Vigo. [STUDENT E-MENTAL HEALTH SURVEY RISK MITIGATION PROTOCOL UPDATE: IDENTIFICATION OF UNIVERSITY STUDENTS AT INCREASED RISK OF SUICIDE STUDENT](#)

## BASIC SCIENCE & TRANSLATIONAL RESEARCH

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Charles Lee, Sylvia Zhang, Fidel Vila-Rodriguez. [DEVELOPING A TRANSCRANIAL MAGNETIC STIMULATOR DEMONSTRATION FOR EDUCATIONAL PURPOSES](#)

Emily Ross, Jennifer Coelho. [WORK-RELATED EXPERIENCES, PERCEPTIONS, AND CHALLENGES IN HEALTHCARE PROFESSIONALS WORKING IN EATING DISORDER SETTINGS: INITIAL FINDINGS TO A SCOPING REVIEW](#)

Ahmad Samara, Jeffrey Eilbott, Ting Xu, Hallee Shearer, Tamara Vanderwal. [GRADIENTS GO TO THE MOVIES: MACROSCALE CORTICAL ORGANIZATION DURING NATURALISTIC VIEWING](#)

Nicole Sanford, Amirhossein Modabbernia, Sophia Frangou. [NEUROBIOLOGICAL UNDERPINNINGS OF MACROSCALE CORTICAL CHANGES RELATED TO ACCELERATED AND DECELERATED BRAIN AGING](#)

Dongsheng Xiao, Timothy H Murphy. [GENERATING BODILY MAPS OF MOTOR DEFICITS FOR MOVEMENT DISORDERS OR PSYCHOMOTOR DISTURBANCE USING THE 3D HUMAN MODELS](#)

## CLINICAL RESEARCH

Melissa S Cunningham, Dianna C Louie, Elaine O Cheung, Peter M Dodek. [MORAL DISTRESS AND BURNOUT DURING PSYCHIATRY TRAINING: A LONGITUDINAL STUDY](#)

Elizabeth C Gregory, Robin FH Cash, Andrew Zalesky, Daniel M Blumberger, Jonathan Downar, Zafiris J Daskalakis, Fidel Vila-Rodriguez. [IS SGC-DLPFC INDIVIDUALIZED FUNCTIONAL TARGETING FOR rTMS IN TREATMENT-RESISTANT DEPRESSION ASSOCIATED WITH BETTER OUTCOMES?](#)

Kyle Hui, Linda Chen, Maiya Rasheed, Todd Woodward. [FUNCTIONAL BRAIN NETWORKS UNDERLYING DEFICIENCIES IN IMPULSE INHIBITION IN SCHIZOPHRENIA](#)

## CLINICAL RESEARCH

Tanisse Teale, Priya Johal, Suzanne Paddinge, Anisha Lehal, Noor Ramadhan, Myriam Juda, Christian Schütz. INTRODUCTION OF PATIENT-ORIENTED RESEARCH TO THE RED FISH HEALING CENTRE FOR MENTAL HEALTH AND ADDICTION: A 4-PHASE MODEL

Kamyar Keramatian, Jairo Vinícius Pinto, Trisha Chakrabarty, Lakshmi N Yatham. DURATION OF UNTREATED/UNDIAGNOSED ILLNESS AND CLINICAL CHARACTERISTICS AND OUTCOMES IN BIPOLAR DISORDER: A SYSTEMATIC REVIEW AND META-ANALYSIS

Kamyar Keramatian, Luc Saulnier, Jordan Cohen. PATIENT CHARACTERISTICS AND POSITIVE OUTCOMES ASSOCIATED WITH A NOVEL YOUTH INPATIENT PROGRAM FOR CONCURRENT DISORDERS

Jane J Kim, Fiona Choi, Kerry Jang, Michael Krausz. IMPACTS OF EARLY AND LATE HOMELESSNESS ON ADULTHOOD CONSEQUENCES

Vanessa Kong, Lingsa Jia. IMPROVING CARE IN BURNABY HOSPITAL: KNOWLEDGE ASSESSMENT AND TRANSLATION ON SUBSTANCE USE RESOURCES

Tishya R Kumar, Daniah Zumrawi, Laura Walzak, Megan Udala, Olga Leonova, Mahesh Menon, Randall White, William Honer, Robert Stowe, Ivan Torres. SUBJECTIVE COGNITIVE FUNCTIONING AND PSYCHIATRIC SYMPTOMS IN TREATMENT-RESISTANT PSYCHOSIS

Calista Leung, Alexander Terpstra, Trisha Chakrabarty. DEPRESSION SYMPTOM SEVERITY AND SEX DIFFERENCES IN FACIAL EMOTION LABELLING FOR INDIVIDUALS WITH DEPRESSION

Victor W Li, Erin E Michalak, Jill Murphy, Aidan Scott, Saul Isserow, Raymond W Lam. SCANME-D: SCREENING CARE APP FOR NONCOMMUNICABLE DISEASES IN MEDICAL ENVIRONMENTS - DEPRESSION. A FEASIBILITY STUDY

Karling R Luciani, Karina A Thiessen, Thomas Chao, Christian Schütz. CHILDHOOD NEGLECT PREDICTS PERCEIVED QUALITY OF CARE IN PATIENTS WITH CO-OCCURRING SUBSTANCE USE AND MENTAL DISORDERS

## CLINICAL RESEARCH

Annika MacKenzie, Fidel Vila-Rodriguez. MODELLING OF ELECTRIC FIELD DISTRIBUTION OF TRANSCRANIAL MAGNETIC STIMULATION

Nolan Murley, Zameer Pirani, Mike Butterfield. PRELIMINARY: THE EFFECT OF ALLIED HEALTH EDUCATIONAL INTERVENTION ON POST-SURGICAL OPIOID USE AND PAIN

Robert Nathan, William Honer. THE PSYCHOPATHIC HOSPITAL: A HISTORICAL OVERVIEW

Myriam Juda, Joanna Pater, Ralph E Mistlberger, Christian G Schütz. SLEEP AND REST-ACTIVITY RHYTHMS IN INPATIENTS WITH COMPLEX CONCURRENT DISORDER

Priscilla Paz, Angel Y Wang, Tiana Mori, Daniel Vigo. OPIOID USE AMONG CANADIAN UNIVERSITY STUDENTS

Armaan Rajan, Jessica Ahn, Tonia L Nicholls, Karen Peterson, Alison MacPhail, Christopher D. Webster. IN-PERSON VERSUS VIRTUAL FORENSIC REVIEW BOARD HEARINGS: PRELIMINARY RESULTS OF A COMPARISON OF PATIENT, STAFF & REVIEW BOARD MEMBERS' PERSPECTIVES

Daniel Shearer, Lingsa Jia. IS CLOZAPINE SAFE TO REINITIATE IN A PATIENT WITH PREVIOUS COVID-19 VACCINE MYOCARDITIS? A CASE REVIEW

Polly Ng, Yi Zhang, Martina Smit. EVALUATION OF FRASER HEALTH'S ADAPTED DIALECTICAL BEHAVIOUR THERAPY PROGRAM

Tanisse Teale, Thomas Chao, Christian G Schütz. PATIENTS WITH A HISTORY OF FOSTER CARE ARE AT HIGHER RISK FOR DRUG OVERDOSE

Karina A Thiessen, Karling R Luciani, Thomas Chao, Christian G Schütz. USE OF PAIN MEDICATION AND CANNABIS BY AGE GROUPS BEFORE AND AFTER LEGALIZATION OF CANNABIS: AN INVESTIGATION OF TRENDS FROM 2017 TO 2019 IN A REPRESENTATIVE SAMPLE OF CANADA

Megan Udala, Laura Walzak, Mahesh Menon, Ivan Torres. A META-ANALYTIC REVIEW OF NEUROPSYCHOLOGICAL FUNCTIONING IN TREATMENT RESISTANT SCHIZOPHRENIA

# CLINICAL RESEARCH

Tanisha Vallani, Zainab Naqqash, Boyee Lin, Cynthia Lu, Jehannine Austin, S Evelyn Stewart. PERSPECTIVES AND RECOMMENDATIONS: DISCLOSURE OF PEDIATRIC OBSESSIVE-COMPULSIVE DISORDER IN THE SCHOOL SETTING

Melissa Vereschagin, Angel Y Wang, Chris Richardson, Daniel Vigo. MINDER PILOT STUDY: INITIAL FINDINGS ON THE FEASIBILITY OF AN E-INTERVENTION FOR UNIVERSITY STUDENTS

Melissa Vereschagin, Angel Y Wang, Chris Richardson, Daniel Vigo. CO-DEVELOPMENT OF MINDER: A COMPREHENSIVE MENTAL HEALTH AND SUBSTANCE USE APPLICATION FOR UNIVERSITY STUDENTS

Hilary Williams, Natasha Verzosa, Reza Rafizadeh, Ankita Narang, Prescilla Carrion, Ric Procyshyn, Randall White, Guillaume Poirier-Morency, Sanja Rogic, Andrew Mungall, William Honer, Paul Pavlidis, Robert Stowe, Chad Bousman. ASSESSING THE UTILITY OF PHARMACOGENOMIC (PGX) TESTING IN A COHORT WITH TREATMENT-RESISTANT SCHIZOPHRENIA (SCZ) OR SCHIZOAFFECTIVE DISORDER (SZAD)

Daniel Wong, Lingsa Jia. EXPLORING GAPS IN KNOWLEDGE AND DEMOGRAPHIC FACTORS OF PATIENTS WITH SUBSTANCE USE DISORDERS

Mattias Yim, Elizabeth Gregory, Ivan Torres, Fidel Vila-Rodriguez. USING NETWORK ANALYSIS TO IDENTIFY THE RELATIONSHIP BETWEEN COGNITIVE SYMPTOMS AND PATIENT VARIABLES IN PATIENTS WHO HAVE TREATMENT-RESISTANT DEPRESSION

Ellia Zhong, Michelle Carter, Valentina Mendoza, Angela Russolillo. EXPERIENCE OF USING VIRTUAL CARE FOR OUTPATIENT PSYCHIATRY VISITS AMONG ADULTS WITH MENTAL HEALTH ISSUES



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