

# 2024 Undergraduate Research Expo

## Expo de recherche de 1er cycle 2024



**August 15, 2024**  
**15 août 2024**  
**15:00-17:00**



**Douglas Hall - Basement**  
**Pavillon Douglas - Sous-sol**  
**(room /salle C-0111)**

**14:50 - 15:00**

Setting up of posters / Mise en place des affiches

**15:00 - 15:40**

Poster session 1 / Session d'affiches 1

**15:40 - 16:15**

Talks / Présentations orales

**16:15 - 17:00**









Poster session 2 / Session d'affiches 2

Organized by the Douglas Student Committee for Academic Life / Organisé par le Comité étudiant pour la vie académique au Douglas

We are grateful to all graduate students and postdocs who commit their time to judge the posters for awards. / Nous sommes reconnaissants aux étudiants et postdocs qui donnent de leur temps pour évaluer les présentations par affiches.

## Oral presentations / Présentations orales

 **Chairpersons / Présidents de session: Ahmed Bouteldja & Refilwe Mpai**

-  **01:** *What is being evaluated, and how, in mental health and wellness services for Indigenous young people in Canada: A rapid review*  
**Claire Xu** (supervisor: S. Iyer)
-  **02:** *Taking a look at your speech: Schizophrenia detection using convolutional neural networks*  
**Gleb Melshin** (supervisor: L. Palaniyappan)
-  **03:** *The impact of acute social stress on the cerebellar expression of AMPA receptors*  
**Hin Chuen Lau** (supervisor: T. P. Wong)
-  **04:** *Automated Behavioral Phenotyping From Videos In Homecare Monitoring Systems*  
**Jihong (Aiden) Lee** (supervisor: M. Mohajerani)
-  **05:** *Examining Harsh Parenting as a Moderator of the Association between Childhood Irritability and Adolescent Suicidal Behaviors*  
**Kelly Rosialda** (supervisor: M. Orri)
-  **06:** *Evaluating Potential Interactions between Circadian Disruptions and Schizophrenia via a Mouse Model for Brain Dysconnectivity*  
**Lianne Marceau** (supervisor: N. Cermakian)
-  **07:** *Contradictory Impacts of Co-Use: Memory and Mental Health in Cannabis and Tobacco Users*  
**Mira Saad** (supervisor: R. Rabin)
-  **08:** *Parcellating the thalamus using thalamocortical structural covariance*  
**Yuhan Liu** (supervisor: M. Chakravarty)

# Poster presentations / Présentations par affiches

-  **P1: Probing the Impact of Schizophrenia Risk Factors on Hippocampus Development and Function**  
**Albert D. Pelinovsky** (supervisors: N. Cermakian, L. Srivastava)
-  **P2: Carer-Based Interventions in Eating-Disorder Treatment: A scoping review**  
**Amélie Blaquière** (supervisor: L. Booi)
-  **P3: Untangling the Threads: Socioeconomic Disadvantage, Racial Discrimination, and Inflammation in Childhood**  
**Anahat Ghuman** (supervisor: P. Silveira)
-  **P4: Association of prenatal tobacco exposure with trajectories of internalizing symptoms from childhood to adolescence and adolescent suicide attempt in a 17-year population-based cohort study**  
**Audrée Bujold** (supervisor: M. Orri)
-  **P5: Norms of Emotional Valence for 3,600 Words and Its Role in Lexical Processing**  
**Aurélié Garrone** (supervisor: M. Montembeault)
-  **P6: Impact of Open Science in the Literature: A Review**  
**Cathy Fang** (supervisor: K. Lavigne)
-  **P7: Sex-Specific Developmental Consequences of Gestational Food Restriction**  
**Connor McNeil** (supervisor: P. Silveira)
-  **P8: Sex-Specific Neurodevelopmental Impacts of Early Life Adversity: Differential Effects of Threat and Deprivation-Based Adversities**  
**Daniil Kim** (supervisor: P. Silveira)
-  **P9: Impulsivity Moderates the Relationship Between Early Life Adversity and Child Eating Rate**  
**Emilie You** (supervisor: P. Silveira)
-  **P10: Investigating the Interaction Between ELS and Gonadal Steroids on the Development of the Emotional Circuitry and Behavior**  
**Henry Xie** (supervisor: C-D. Walker)
-  **P11: Emergence of amyotrophic lateral sclerosis (ALS) symptoms in model mouse characterize in the string-pulling task**  
**Jasmine Ma** (supervisors: M. Mohajerani, I. Whishaw)
-  **P12: The impact of norepinephrine on NMDA receptor currents mediated by different GluN2 subunits**  
**Jiawei Wang** (supervisor: T. P. Wong)
-  **P13: Investigating the Rhythmic Gene Expression of parasite Leishmania major in Response to Acute Temperature Changes**  
**Jieyu Zhu** (supervisor: N. Cermakian)
-  **P14: The emergence of goal tracking in an Experimental Autoimmune Encephalomyelitis (EAE) mouse as an early disease symptom**  
**Jordan Caetana Dudley** (supervisors: M. Mohajerani, I. Whishaw)
-  **P15: Predictors of Job Tenure in People Living with Mental Illness from a Transdiagnostic Perspective: A Scoping Review**  
**Kayla Shulman, Maya Hannon** (supervisor: G. Sauvé)
-  **P16: Sex-specific and Duration Dependent Effects of Chronic Variable Stress on Brain Anatomy and Behaviour**  
**Landon Hildebrandt** (supervisor: M. Chakravarty)
-  **P17: Effect of early life stress on circadian metabolic function, cellular energetics and clock genes in young rats**  
**Lisa Tsyhanok** (supervisor: C-D. Walker)
-  **P18: Development of a standardized stimuli set of famous faces in Quebec**  
**Mélodie Leclerc** (supervisor: M. Montembeault)
-  **P19: Forensic interviewers' perception of wait time with child witnesses**  
**Michelle Cai** (supervisors: A. Shiao, S. Williams)
-  **P20: Investigating the effects of birth weight and sex differences in resting-state functional connectivity and impulsive behaviour**  
**Olivia Ruge** (supervisor: P. Silveira)
-  **P21: Investigating the role of small extracellular vesicles in perineuronal net formation**  
**Raphaëlle Reyes** (supervisor: C. Nagy)
-  **P22: Longitudinal brain integrity trajectories between low vs. high education in preclinical Alzheimer's disease older adults**  
**Riv Beauchesne** (supervisor: S. Villeneuve)
-  **P23: Investigating the effect of menopause on the brain with an ovariectomized mouse model**  
**Sophia Chen** (supervisor: M. Chakravarty)
-  **P24: Associations of Gendered Lifestyles to Neuroanatomy**  
**Sophia Osborne** (supervisor: M. Chakravarty)
-  **P25: Decoding the Sequence Using Polygenic Risk Scores: Behavioral Problems or Resting State Connectivity – What Comes First in Depression?**  
**Sophie Touma-Sawaya** (supervisor: P. Silveira)