



# Jillian Caplan

B.Sc. STUDENT IN BEHAVIOURAL NEUROSCIENCE

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## Summary

- Undergraduate student in Behavioural Neuroscience at Concordia University
- Interests: Neural circuitry/functional connectivity, gene-environment interactions, & student wellness
- Hobbies: Yoga, volunteer work, & solving puzzles

## Education

### Concordia University

BACHELOR OF SCIENCE IN HONS. PSYCHOLOGY (BEHAV. NEUROSCIENCE), MINOR IN MULTIDISCIPLINARY STUDIES IN SCIENCE

Montreal, Canada

January 2018-Present

### Dawson College

DIPLOMA OF COLLEGIAL STUDIES IN HEALTH SCIENCES

Montreal, Canada

September 2015-December 2017

## Awards and Grants

**Total value: \$15 520**

### Best Overall Presentation

IN RECOGNITION OF: BEST VIRTUAL PRESENTATION DURING SCIENCE COLLEGE RESEARCH DAY.

Science College

2020

- Value: N/A

### Concordia Undergraduate Student Research Award

IN RECOGNITION OF: ACADEMIC SUCCESS AND RESEARCH POTENTIAL, TO CONDUCT A 4-MONTH RESEARCH PROJECT.

Concordia University

2019 & 2020

- Value: \$5 760

### Hendricus Cuit Memorial Entrance Scholarship

IN RECOGNITION OF: ACADEMIC EXCELLENCE UPON ENTRY TO UNIVERSITY. RENEWED YEARLY ON MERIT.

Concordia University

2018, 2019, 2020, & 2021

- Value: \$1 000

### Dean's List

IN RECOGNITION OF: ACADEMIC EXCELLENCE.

Concordia University

2019 & 2020

- Value: N/A

### Graduation Honour

IN RECOGNITION OF: ACADEMIC EXCELLENCE THROUGHOUT THE COURSE OF COLLEGIAL STUDIES.

Dawson College

2018

- Value: N/A

## Publications and Conference Presentations

Derish, I., Lee, J.K.H., Wong-King-Cheong, M., Babayeva, S., **Caplan, J.**, Leung, V., Shahinian, C., Gravel, M., Deans, M.R., Gros, P., Torban, E. (2020). Differential role of planar cell polarity gene Vangl2 in embryonic and adult mammalian kidneys. *PLOS ONE* 15(3), 0230586

**Caplan, J.**, Fotso-soh, J., Booij, L. (2021). Validation of the Food Frequency Questionnaire: rationale and research process. [Poster Presentation, delayed due to Covid]. Concordia Undergraduate Research Showcase, Montréal, Canada.

**Caplan, J.**, Pallikaras, V., & Shizgal, P. (2020, Dec). How is reward intensity represented in the rat brain? Evidence for a rate code. [Conference Presentation]. Science College Research Day, Montréal, Canada.

## Research Experience

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### Stress, Neurodevelopment, and Emotions Lab

RESEARCH STUDENT

Concordia University

May 2020-Present

- Examining the epigenetic link between eating disorders and specific nutrients
- Leading a literature review, refining measures, crafting ethics applications
- Building a nutrient database, and designing a coding scheme

### Shizgal Behavioural Neuroscience Lab

RESEARCH COORDINATOR & HONOURS STUDENT

Concordia University

May 2019-present

- Developing protocols, managing files, and training undergraduate volunteers
- Generating standard operating procedures for optical implants, tissue staining, and immunofluorescence microscopy
- Collecting and analyzing behavioural data; performing tissue sectioning, staining, and imaging

### Torban Research Lab

RESEARCH ASSISTANT

Research Institute, McGill University

Health Center (MUHC)

Summer 2018

- Examining the effects of kidney development in young mice lacking key genetic components for proper tubule growth
- Collaborating in renal tissue sectioning and immunohistochemistry
- Acquiring, processing, and analyzing images

## Extracurricular Involvement

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### ACADEMIC/OUTREACH

#### Concordia's Journal of Psychology and Neuroscience (CJPN)

CO-FOUNDER & CO-EDITOR-IN-CHIEF

Concordia University

July 2020-present

- Peer reviewed, empirical journal associated with the department of Psychology at Concordia University
- Organizing workshops on scientific communication, designing and managing the website
- Recruiting editors and reviewers, overseeing daily operations and finances

#### Science College Student Association

CO-PRESIDENT

Concordia University

May 2020-present

- Organizing social and academic events and promoting collaboration among students
- Spearheading a multidisciplinary graduate mentorship program
- Councillor for the Arts and Science Federation of Associations (ASFA), as representative of the Science College

#### Stronger than Stigma Concordia

FOUNDER & PRESIDENT

Concordia University

November 2018-May 2020

- A student-led mental health initiative
- Creating and leading educational mental health workshops
- Launching yearly mental health summits and connecting students to services on campus

#### Concordia's Yoga Club

CO-FOUNDER & COMMUNICATIONS COORDINATOR

Concordia University

September 2019-May 2020

- Establishing free weekly yoga classes for students and faculty
- Recruiting yoga instructors and managing social media pages
- planning various yoga workshops for stress-coping and mindful yoga

### COMMUNITY SERVICE

#### Big Siblings Program

MENTOR

Science College Student Association

September 2020-present

- Guiding a first-year student, as they navigate the academic, research, and social aspects of University life
- Providing support and encouragement

#### Pose For Hope

CO-CHAIR & EVENT COORDINATOR

Douglas Foundation

May 2020-September 2020

- Initiating and planning a yoga fundraiser to benefit the Douglas Institute's Eating Disorder Continuum
- Funds raised: over \$10,000

#### Royal Victoria Hospital

EMERGENCY DEPARTMENT VOLUNTEER

RVH Volunteer Services

October 2018-March 2020

- Supporting and advocating for emergency room patients and their loved ones
- Providing companionship, keeping patients calm, and assisting staff with non-medical tasks

# Employment

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## Chief Operating Officer

WELLMTL

*September 2020-present*

- Overseeing university mental health groups, running daily operations and finances
- Designing knowledge transfer workshops, and managing website content