

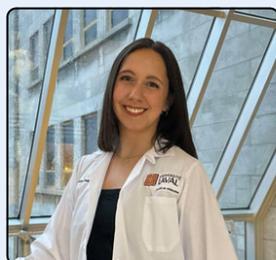
2025 HSC UNDERGRADUATE STUDENT SUMMER FELLOWSHIP

It was the third year of the HSC Undergraduate Student Summer Fellowship and we continued to grow. In 2025, thanks to support from the Canada Brain Research Fund (CBRF), an innovative arrangement between the Government of Canada (through Health Canada) and Brain Canada Foundation, and the Huntington Society of Canada, we funded eight summer students. That summer, promising young researchers, each granted \$5,000, focused on projects with the potential to reverse, stop, or slow the progression of Huntington disease (HD). Read on to learn more about their research and where they were from.



Brianna Adams
Memorial University
(St. John's, Newfoundland)

Title of Research:
Synaptic activity as a driver of DNA damage and somatic expansion in HD



Alexandra Bérubé Ebacher
Université Laval
(Québec City, Québec)

Title of Research:
Shedding light on the huntingtin protein



Isabella Bu
Western University
(London, Ontario)

Title of Research:
Investigating S-Nitrosylation of MCUB in mitochondrial calcium dysregulation and Huntington's Disease



Maya Klepfish
McMaster University
(Hamilton, Ontario)

Title of Research:
The use of AI-generated peptides with the CK2 kinase catalytic domain to restore Huntingtin N17 phosphorylation



Yusra Kureshi
University of Waterloo
(Waterloo, Ontario)

Title of Research:
Optimizing nanodiscs to improve antisense oligonucleotide delivery in the treatment of Huntington disease



Christiana Lammers
University of Guelph
(Guelph, Ontario)

Title of Research:
Evaluating DLK activity in brain samples from Huntington's disease patients



Shannon Pulido
Memorial University
(St. John's, Newfoundland)

Title of Research:
Synaptic activity as a driver of DNA damage and somatic expansion in HD



Fatma Slim
University of Ottawa
(Ottawa, Ontario)

Title of Research:
Vascular innervation and blood-brain barrier dysfunction in HD using human iPSC-derived vascularized brain organoids