Cameron Kerr

12 Richdale Court
Toronto, ON
(647) 980-4013
cameron.hugh.kerr@gmail.com

LinkedIn:
https://www.linkedin.com/in/cameron-kerr-457030170/

EXPERIENCE

Princess Margaret Cancer Research Centre, Toronto —Student Researcher at the Pugh Lab

July 2019 - PRESENT

Runs research project on tracking the T cell repertoire of 9 melanoma patients. Runs statistical analysis and data visualization on genetic sequencing data. Manuscript is currently under review for publication. GitHub Repo: https://github.com/pughlab/CapTCR-TIL-Tracking.

University of Toronto Mississauga, Mississauga - Student Researcher at the Westwood Lab

March 2019

Participated in a stint a part of STEM Fellowship in the Westwood lab focusing on the role of heat shock factor in flies. Assisted in gel electrophoresis, fly sorting, and fluorescence microscopy.

EDUCATION

University of Toronto , Toronto — *B.Sc.*

September 2021 - PRESENT

Second year student enrolled in the Quantitative Biology major, Statistics minor, and Mathematics minor. Science writer for The Varsity school newspaper. Laurence Vaughan Smith Scholarship, University of Toronto Scholar - Rogers Scholarship, New Collge Council In-Course Scholarship.

The Knowledge Society, Toronto

Sep 2018 - June 2021

Canada's leading innovation incubator for 13 - 17 year olds. Students learn about a variety of real-world topics. Participated in the Innovate, Velocity, and Activate programs.

Martingrove C.I. , Toronto — *OSSD*

Sep 2017 - June 2021

AP student, Breakfast general council member, writer for the Beacon school newspaper. Received Advanced Functions proficiency award, Ontario Scholar Certificate.

PROJECTS

Immune 2.0 — *Predicting T-cell binding*

Built recurrent neural network to predict epitope binding in T-cells. Interviewed by Laura Deming.

Team XIST Proposal — *Decreasing Telomeric Decay*

Created research proposal on increasing somatic telomerase expression through epigenetics.

Various Research Proposals — *Project SELECT and EVacc*

Project SELECT: Engineering viral vector for CAR transduction on T-memory stem cells.
EVacc: Bacteria-based production of variable antigens as an evolving vaccine.

CaMS Vis — *Cancer mutational signature visualizer*

Python program for visualizing mutations present in a genetic bcf file.

SKILLS

R

Python

Unix / Linux

ArcGIS

AWARDS

Pioneer Winner June 2019 - Won worldwide incubator startup competition Pioneer for project Immune 2.0.

First Place UofT SSSCR Case Competition - Won research proposal case competition with Team XIST.

INTERESTS

Mountain biking, Piano, Hockey, Baseball