

FACULTY OF SCIENCE NEWSLETTER

Monthly newsletter sharing extraordinary work within the Faculty of Science

"Learn from yesterday, live for today, hope for tomorrow. The important thing is not to stop questioning." – Albert Einstein

Veterinary Technology



The Veterinary Technology Open Learning program has increased the number of students by 20 seats. Enrollment January 2022 will be for 50 students, with over 200 applicants the program updating is receiving grand reviews from the profession.

The VTEC onsite program is off to a great start this fall as well with the largest number of students in our programs history- 49 students. With this many students you can imagine that our onsite animals are receiving wonderful care and will soon be up for adoption.

For more information on our animals, please follow along on social media @truvettechadoptions or fill out an application

here: <https://www.tru.ca/science/diplomas-certificates/vtech/adoptions.html>

Biological Sciences

Members of the Department of Biological Sciences have done extraordinary work keeping undergraduate students involved in independent research during the pandemic. In addition to supporting students in applying for research grants (e.g., UREAP, USSRA), and engaging them as volunteers in the field and lab, department members supervised a total of 26 students doing Directed Studies projects in Fall 2020 and Winter 2021, as well as 4 doing Honours projects during this time.

Currently, 12 students are enrolled in Directed Studies and 6 in Honours. While many were involved in this, Dr. Matt Reudink took on 7 of the Directed Studies students and supervised all 3 of the B.Sc. students who graduated with honours degrees in June 2021 (and currently has 3 more students doing honours projects).



Grants

Dr. Yan Yan, in collaboration with Dr. Sarah Dow-Fleisner and Dr. Xiaoping Shi from UBCO, have been awarded a \$50,000 grant by the Interior Universities Research Coalition (IURC) from Sept. 2021 to Sept. 2022. Their research project is “Examining the Mental Health Impacts of COVID-19 in Canada: A Combined Statistics and Machine Learning Equity-Informed Study.”

Publications

Dr. Emad Muhammad, in the Engineering & Applied Science Department, along with 4 faculty members from the University of Calgary, recently had a paper published by *Nature* on COVID-19, “an ensemble learning approach to digital corona virus preliminary screening from cough sounds.”
