

FOOD & HUMAN NUTRITIONAL SCIENCES

**DR. ROTIMI ALUKO'S LABORATORY
UNIVERSITY OF MANITOBA**



IF YOU CHOOSE THIS LABORATORY, YOU WILL:

Spend a week in the life of a Food & Human Nutritional Sciences student in Dr. Rotimi Aluko's laboratory and breakdown the processes of food protein digestion! You will learn about the release of peptides that possess therapeutic properties.

Get ready to digest food science knowledge! In this lab, you will gain experience using scientific equipment such as a spectrophotometer, microplate reader, microcentrifuge, and rotary evaporator. After this week, you will have gained university level skills in enzyme digestion, membrane ultrafiltration, and enzyme inhibition and antioxidant assays.

WHICH SCHOOL SUBJECTS ARE RELEVANT TO THIS LAB?

You will enjoy working in this lab, if you are interested in high school subjects like

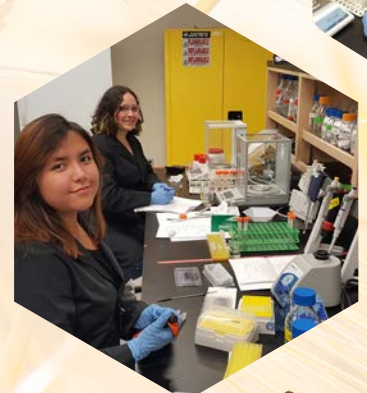
- Chemistry
- Biology
- Health & Nutrition

You can continue to learn more in your undergraduate studies by taking courses at university in

- Food: Facts and Fallacies
- Ingredient Technology for Designed Foods

CAREERS THAT APPLY NUTRITIONAL SCIENCES IN YOUR COMMUNITY:

- Quality Control/Assurance Manager
- Food Product Developer
- Nutrition Educator
- Food Service Supervisor



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VERNA J. KIRKNESS



SCIENCE & ENGINEERING EDUCATION PROGRAM

CONNECTING STUDENTS FROM ACROSS CANADA

The Verna J. Kirkness Science and Engineering Education program offers scholarships to First Nations, Métis and Inuit grade 11 students to spend a week as a student researcher at a Canadian university, interacting with scientists in their research laboratories. During their week on campus the students have the opportunity to meet role models, learn about the support systems that are available to them on campus and experience the excitement of doing research. There are several participating universities across Canada, bringing together youth from all corners of the country to experience the unique learning experience the Verna J. Kirkness Science and Engineering Education program has to offer.



THE UNIVERSITY
OF BRITISH COLUMBIA



UNIVERSITY OF
CALGARY



UNIVERSITY OF
SASKATCHEWAN



FIRST NATIONS
UNIVERSITY
of CANADA



UNIVERSITY
OF MANITOBA



uOttawa

