

## **Faculty of Science**



## Department of Chemistry - jallingham@tru.ca

CHEM 1500, CHEM 1520, CHEM 2120, CHEM 4420, CHEM 3240, CHEM 4600, and CHEM 4450

My research focuses on drug design, medicinal chemistry and organic synthesis, as well as chemistry education. Students in my lab can work on organic synthesis projects, investigate natural products, design laboratory experiments or investigate how best to teach complex chemistry concepts. The top 3 qualities I am looking for in a potential student researcher are curiosity, passion and problemsolving skills.

# LINDSAY BLACKSTOCK

#### Department of Chemistry - Iblackstock@tru.ca CHEM 1500, 1510, AQUEOUS 3010, ATMOSPHERIC 3020

My research consists of assessing and enhancing the student experience in the classroom, designing impactful assessments and creating open educational materials for everyone. The top 3 qualities I am looking for in a potential student researcher are motivation to work, attention to detail, and effective communication.

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#### Department of Chemistry - sbrewer@tru.ca

GENERAL CHEMISTRY, ANALYTICAL CHEMISTRY, METHOD DEVELOPMENT, APPLIED CHEMISTRY AND ANALYTICAL CHEMISTRY I ARS ENVIRONMENTAL CHEMIAND ETHICS

I do research in the areas of chemical education, environmental analysis, water treatment and analytical method development. Current research interests include remote instrumentation as a teaching tool, inquiry-based laboratory curriculum, open educational resource (OER) development and implementation, analytical method development, environmental analysis and water treatment. The top 3 qualities I am looking for in a potential student researcher are organization, independence, and problemsolving.

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## **Department of Biological Sciences**

mrakobowchuk@tru.ca

HUMAN PHYSIOLOGY I AND II

Examine cardiovascular regulation and adaptation in humans. Blood flow regulation to different tissues like muscles, the heart and the brain. Why do people develop cardiovascular disease, and how do we reverse the process? I am looking for research students who are hard workers, persistent, and able to use feedback effectively.

### KINGSLEY DONKOR



## Department of Chemistry

#### kdonkor@tru.ca

ANALYTICAL CHEMISTRY AND PHYSICAL CHEMISTRY

My research program focuses on developing analytical methods in capillary electrophoresis and chromatography and applying these methods in the medical, pharmaceutical, food and environmental industries. The top 3 qualities I am looking for in potential student researchers are diligence, enthusiasm, and willingness to learn.

## HEIDI HUTTUNEN-HENNELLY

## **Department of Physical Sciences**

#### hhuttunen@tru.ca

GENERAL CHEMISTRY, ORGANIC AND BIO-ORGANIC CHEMISTRY, AND CHEMICAL BIOLOGY

Multi-drug-resistant pathogens are a worldwide health concern. The discovery or synthesis of new antibiotics is a challenging task. Antimicrobial peptides (AMPs), often referred to as "nature's antibiotics," are one class of antimicrobials. My research group is interested in creating novel AMPs using either a de novo approach or by modifying the sequences of known AMPs. Developing novel methods to investigate AMP mechanism of action and structure-activity relationships is an overarching goal. I'm looking for student researchers who are problem-solvers, ambitious, resourceful, independent, curious.

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## Natural Resource Science - klarsen@tru.ca

NRSC 3000, 4040, 4050 (wildlife-focus), ENVS 5200 (graduate course), NRSC 4250 (Belize field course)

I am interested in conservation wildlife ecology animal management. My research is the ecology, conservation and management of wildlife, particularly smaller vertebrates like rodents, reptiles and amphibians. The top 3 qualities I am looking for in a potential student researcher are keenness, course background, and interest in a dovetailing experience with their program of study.



## Natural Resource Science - jharvey@tru.ca NRSC 4130 FIRE ECOLOGY AND MANAGEMENT

I work with students to understand past fire regimes and the effects of fires on forest ecosystems. We center our research on asking interesting questions and collecting field-based datasets. We hope our research will inform forest and fire management actions and policies in BC and beyond. The top 3 qualities I am looking for in a potential student researcher are constantly asking new questions, flexibility, and creativity.

### NISHA PUTHIYEDTH



## Computer Science - nputhiyedth@tru.ca

COMP3410 (Operating Systems)

My research is mainly on bioinformatics, machine learning and biological data analysis. My goal is to develop computational models based on machine learning, and statistics. I am particularly interested in developing computational models for digital agriculture. The top 3 qualities I am looking for in a potential student researcher are curiosity, critical thinking skills, and a strong work ethic.

## SINA KESHVADI



## Software Engineering - skeshvadi@tru.ca

WEB APP DEVELOPMENT, SOFTWARE SECURITY

My research is on Internet Security, Internet Measurement, and Web Application. The top 3 qualities I am looking for in a potential student researcher are a passion for learning, critical thinking, and effective communication.

# DON NELSON

#### Biological Sciences - dnelson@tru.ca MOLECULAR GENETICS, CHEMICAL BIOLOGY, AND

MOLECULAR GENETICS, CHEMICAL BIOLOGY, AND RECOMBINANT DNA TECHNOLOGY

I like to develop experimental systems that allow me to manipulate or monitor biological phenomena. The cutting edge is nice (but it's complicated). I like demonstrations. I'm really more interested in the process of research (the road) than in the results obtained (the destination). The top 3 qualities I am looking for in a potential student researcher are a questioning attitude, good work ethic, and a desire to experiment.

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#### Biological Sciences - mreudink@tru.ca

EVOLUTION, ANIMAL BEHAVIOUR, BIOL 1210, READING AND WRITING

I study evolution and animal behaviour, with a primary emphasis on birds. My research spans from understanding the evolution of ornamental traits like colourful plumage, to tracking birds throughout migration, to understanding the impacts of urbanization on behaviour, to the conservation of threatened and endangered species. The top 3 qualities I am looking for in a potential student researcher are passion for research, attention to detail, and interest in understanding the natural world.

## **Faculty of Arts**



## Department of Sociology & Anthropology mbegum@tru.ca

SOCIOLOGY, GEOGRAPHY, AND WOMEN AND GENDER POLITICS IN SOUTH ASIA

My research is about women's empowerment through their participation in education and the reformation of religious movements in South Asia. The top 3 qualities I am looking for in a potential student researcher are enthusiasm, critical thinking skills, and writing skills.

## Faculty of Education and **Social Work**



## Department of English Language Learning and Teaching Faculty - jhu@tru.ca

ACADEMIC WRITING

I am interested in research on academic writing, and collaboration, and I am product oriented. My current research projects focus on academic integrity, especially plagiarism prevention. Three under way: Partnership on University Plagiarism Prevention, First-year student plagiarism, and Teacher perspectives on student plagiarism causes and solutions. The top qualities I am looking for in a potential student researcher is that they be interested in my research, competent in carrying out research instructions such as data collection and analysis, and keen on collaborating in conference presentations and publications.

RAI A NIKKU



## School of Social Work and Human Service bnikku@tru.ca

INTERNATIONAL SOCIAL WORK

I am interested in Disaster Justice, International Social Work, Citizen Science, and Resilience Futures. I am researching the intersections of disasters, resilience and policies. Through the citizen science approach, we work with earthquake-affected communities from Nepal, wildfire-prone communities from BC, Canada, and Tsunami victims from Sri Lanka. By collaborating with these communities and through co-creation, our research is focused on designing and developing community tool kits (maps, routes, evacuation choices) that will be used by the communities in the event of disasters, resulting in better preparedness and resilient futures to disasters. The top 3 qualities I am looking for in a potential student researcher: Curious, Passionate, Explore

## TRU WORLD

#### THOMAS **JOHANSEN**

### International Research - tjohansen@tru.ca

I am disseminating the international opportunities available in all the vast areas of study at TRU.

## **School of Nursing**

**MELBA** D'SOUZA



#### Nursing - mdsouza@tru.ca

NURSING, HEALTH PROMOTION, PRACTICE, RESEARCH, AND

My program of research addresses public policy, health promotion, and quality of life in the cancer care continuum of multicultural, diverse people living in rural communities. I am conducting mixed research methods and community participatory action research using an applied intersectionality lens from people's lived experiences to create innovative interventions and healthy policies which promote social justice and sovereignty for improving quality of life and sustaining healthy communities. The top 3 qualities I am looking for in a potential student researcher are that they are ethical, reliable, and committed.

# DEWELL 🔷

## Nursing - sdewell@tru.ca

HEALTH PROMOTION AND INTRODUCTION TO THE PROFESSION

My research explores the development of precision health through scholarship focused on nursing education, research, and practice with a focus on foundational genomic knowledge for all nurses. I work with an extensive network of national and international genomics nurse educators and researchers on several projects, including the creating of a genomics educational hub and integrating genomics into the Nurse Practitioner program at TRU.

## PROGRAM LEGEND





**DIRECTED STUDIES** 





**HONOURS** 





VOLUNTEER

RESEARCH APPRENTICESHIP

## School of Business and

SALMAN KIMIAGARI



## skimiagari@tru.ca

INTERNATIONAL BUSINESS, INTERNATIONAL TRADE FINANCE AND STRATEGIC MANAGEMENT

My research is in firm internationalization, prediction and forecasting. The qualities I am looking for in a potential student researcher are a good GPA and good writing skills.

## CHERYL GLADU



Human Enterprises and Innovation - cgladu@tru.ca CREATIVITY AND INNOVATION AND ORG THEORY AND DESIGN

I am researching how people may organize democratically to solve problems through Dialogue, Design & Decision-making. The top 3 qualities I am looking for in a potential student researcher are curiosity, self-reflective, and a good communicator.

## **PETER TSIGARIS**



### ptsigaris@tru.ca

ECONOMICS, ECONOMICS OF CLIMATE CHANGE, ENVIRONMENTAL ECONOMICS, ECOLOGICAL ECONOMICS, CAPSTONE COURSE

My research areas are diverse. Research areas that I work with students is in environmental and ecological economics including climate change economics and policy. The top 3 qualities I am looking for in a potential student researcher are analytical, critical thinker and workaholic.

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