

EDUCATION
AND
TRAINING

- Sept. 2017- July 2019 **Master of Epidemiology**
Swiss Tropical and Public Health Institute, Switzerland
- Sept. 2012-June 2017 **Bachelor of Sciences (Biology Honours, Math Minor)**
Thompson Rivers University, Canada

RESEARCH
EXPERIENCE

- June 2018-July 2019 **Master Thesis Project: Evaluation of an FTA card kit for arbovirus surveillance through travellers.**
Swiss TPH, Basel, Switzerland
- Coordinated with three different international scientific working groups to plan collaboration, transport samples, and disseminate results in English, German, and (basic) Portuguese.
 - Recruited participants to take part in traveller study involving transport of FTA card samples throughout Brazil and recording traveller health information on an electronic questionnaire (Swiss TPH, Basel, Switzerland).
 - Independently conducted laboratory experiments using methods ranging from artificial mosquito infection and RNA extraction, to rt_qPCR (FIOCRUZ Pernambuco, Recife, Brazil, ABC Laboratory, Spiez, Switzerland).
 - Conducted data analysis (statistical and geographic) on the results and traveller data set (Excel, Stata, R, QGIS).
 - Presented results as a talk at ECTMIH (European Center of Tropical Medicine and International Health) and SVEG (Swiss Vector Entomology Group) conferences and as a written thesis.
 - Prepared a scientific paper based on the project for publication (in progress).
- June 2016-June 2017 **Undergraduate Thesis Project: Development of a toehold switch for Rabies virus identification**
Thompson Rivers University, Kamloops
- Designed an ideal RNA-based toehold switch in silico for identification of the rabies genome.
 - Transformed *E.coli* plasmids and inserted RNA toehold sequence, amplified, and transformed into new *E.coli*. Extracted and examined produced plasmids using restriction enzymes and agarose gel electrophoresis.
 - Presented results at the TRU (Thompson Rivers University) undergraduate poster session in Kamloops, Canada and as a written thesis.

WORK EXPERIENCE

- Sept 2020 –
Dec 2020
- Study Assistant**
COVCO Basel Study, Swiss TPH, Basel
- Assist in blood and saliva sample processing for Covid antibody testing in the laboratory setting.
 - Perform data entry from study documents and samples into RedCap software.
 - Demonstrated flexibility and completed diverse tasks to ensure the study runs smoothly.
- June 2018-July
2019
- Vaccination Team Member**
Swiss TPH Travel Clinic, Swiss TPH, Basel
- Assist in data entry and data management of medical studies based from the travel clinic as well as manage archive documents.
 - Welcome guests to the travel clinic, retrieve patient information, process payments, and answer patient inquiries in German, English, and French.
 - Work in a team of doctors, medical assistants, and secretaries to ensure smooth administration of travel vaccinations.
- Spring
Semester 2017
- Laboratory Teaching Assistant**
Thompson Rivers University, Kamloops
- Teach a class of 20 undergraduate students the fundamentals of chemistry laboratory work and safety procedures.
 - Oversee laboratory experiments and demonstrate proper techniques.
 - Present, grade, and return course curriculum and a final exam in a professional and timely manner.
 - Manage time between course work, honours thesis, and additional employment throughout the semester.

SKILLS

- Languages
- English (Native)
 - German (Fluent)
 - French (Intermediate)
- Programs
- Statistical (Stata, R, Minitab)
 - Microsoft Office Suite
 - GIS, RedCap, Endnote, Rayaan

ADDITIONAL INFORMATION

- Honours and awards
- Undergraduate Research Experience Award 2017
 - Federal Undergraduate Research Award (NSERC) 2016
 - TRU Science Prize 2013
 - Governor General's Award 2013
- Extracurricular Activities
- Ultimate Frisbee Team 2012-present
 - Cliffside Climbing Gym Team Member 2015-2017
 - Paint Night Host 2018-present