

ROSHAN NORONHA

www.roshannoronha.com roshanarononha@gmail.com 604-910-7560

EXPERIENCE

CLEAN TECH INTERNSHIP – Langara College

May 2017 - Present

Project Lead – EnTomorrow Lab

- + Designed a one year experiment to determine the feasibility of growing mealworms on a waste food diet
- + Ran day to day operations by ensuring research goals were met and that lab funding was managed appropriately
- + Mentored first and second year students in proper lab technique, data collection procedures and presentation skills

Lab Assistant – Yeast Profiling

- + Designed and implemented a bioinformatics pipeline that identified yeast species responsible for beer spoilage
- + Collaborated with local craft breweries to implement diagnostic tools that optimized the repitching of beer yeast
- + Utilized a variety of laboratory techniques to grow different yeast species on media

Lab Assistant – Biochar Project

- + Tested the effectiveness of biochar on the removal of nitrogen and ammonia in waste water
- + Calculated dilutions to properly measure nitrogen and ammonia concentrations in waste water
- + Designed experiments to measure the influence of multiple variables on biochar's ability to absorb ammonia, nitrogen and other contaminants

COFOUNDER/CONTENT MANAGER – Vancouver Biotechnology Venture Association

March 2015 – February 2017

- + Collaborated with the National Research Council of Canada and Langara College senior executives to obtain funding and facilities for new members
- + Implemented a website to market VanBVA as the go to hub for potential entrepreneurs

- + Set up informational interviews with leaders in the biotechnology industry to provide additional value to our members

JUNIOR SOFTWARE ENGINEER – GenomeDx Biosciences

May 2014 – December 2014

- + Collaborated with researchers at the University of Miami and GenomeDx to validate prognostically significant biomarkers
- + Utilized visualizations to validate any significant relationships between immunohistochemical data and gene expression data
- + Designed the implementation of the new quality control pipeline with respect to new functionalities

LAB ASSISTANT – Morin Laboratory

September 2012 – January 2013

- + Downloaded and installed pipeline analysis tools for a local instance of the Galaxy Bioinformatics web based platform
- + Used patient data from BC Cancer Agency to create primers that isolated mutated regions for further study
- + Aided in lab tasks such as using an Illumina sequencer, running gels and filling boxes of pipette tips for sterilization

RESEARCH

Ken Naumann, Mario Moniz de Sa, Eleanor Lewis and **Roshan Noronha** (February 19, 2017) *Super-colonies of the Invasive European Fire Ant*. Langara College Scholarship Café, Burnaby, BC.

Roshan Noronha (October 15, 2016) *Portable and Efficient PCR Machine*. Langara College Scholarship Café, Burnaby, BC.

Alan Pollack, Nicholas Erho, **Roshan Noronha** and others (February 26-28, 2015) *A biomarker panel associated with distant metastasis in prostate cancer patients [...]*. Abstract no. 08. 2015 Genitourinary Cancers Symposium, San Francisco, CA.

EDUCATION

BACHELOR OF SCIENCE IN MOLECULAR BIOLOGY AND BIOCHEMISTRY

Simon Fraser University

ASSOCIATE OF SCIENCE DEGREE IN BIOINFORMATICS WITH CO-OP

Langara College