

ROSHAN NORONHA

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github.com/roshannoronha

EXPERIENCE

RESEARCH ASSISTANT – Leroux Laboratory

February 2018 – Present

- + Applied comparative genomics techniques to identify novel transition zone proteins
- + Designed GFP constructs to determine the localization of ciliary proteins in *C.elegans*
- + Maintained a variety of *C.elegans* strains for use in temperature sensitive screens

CLEAN TECH INTERN – Langara College

May 2017 – April 2018

- + Designed and ran a one-year experiment to determine the feasibility of growing mealworms on a waste food diet
- + Supervised a team of seven students in proper lab technique, data collection procedures and presentation skills
- + Tested the effectiveness of biochar purification with respect to nitrogen and ammonia removal

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 PCR primers for further study of specific mutated regions
- + Aided in lab tasks such as using an Illumina sequencer, running gels and sterilizing lab equipment

RESEARCH

Leung ET, **Noronha R**, Mirza A et al. ShinyDiversity - Understanding Alpha and Beta Diversity through Interactive Visualizations [version 1; referees: 1 approved, 1 approved with reservations]. F1000Research 2018, 7:479

Noronha R, Stewart M, Moniz de Sá M et al. (March 29, 2018) The Effect of Waste Food Diets on The Yellow Mealworm Larvae (*Tenebrio Molitor*). Langara College Scholarship Café, Burnaby, BC.

Naumann, K., Moniz de Sá, M., Lewis, E., & **Noronha, R**. 2018 Jan 26. Supercolonies of the invasive ant, *Myrmica rubra* (Hymenoptera: Formicidae) in British Columbia, Canada. Journal of the Entomological Society of British Columbia.

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

2016-2018

ASSOCIATE OF SCIENCE DEGREE IN BIOINFORMATICS WITH CO-OP

Langara College

2011-2016