ROSHAN NORONHA

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EDUCATION

BACHELOR OF SCIENCE IN MOLECULAR BIOLOGY AND BIOCHEMISTRY
Simon Fraser University, Burnaby BC, Canada | 2016 - 2019

CERTIFICATE IN GENOMICS
Simon Fraser University, Burnaby BC, Canada | 2018 - 2019

ASSOCIATE OF SCIENCE DEGREE IN BIOINFORMATICS
Langara College, Vancouver BC, Canada | 2011 - 2016

EXPERIENCE

LAB AUTOMATION TECHNOLOGIST – AbCellera
Vancouver, BC, Canada | November 2019 – Present

- Transitioned manual workflows to automation by operating lab instruments and applying robotics.
- Tracked samples from multiple projects using in-house and enterprise information management systems.
- Created, tested and validated new automation methods.

LAB MANAGER – The MAGPIE Research Group, Simon Fraser University
Burnaby, BC, Canada | April 2019 – November 2019

- Collaborated with external researchers and assisted with publication and presentation processes.
- Documented financial statements, onboarded new members and coordinated group meetings.

RESEARCH ASSISTANT – Leroux Laboratory, Simon Fraser University
Burnaby, BC, Canada | March 2018 – March 2019

- Used R, Python and Excel to identify three novel proteins potentially implicated in ciliopathies.
- Wrote scripts to pull data from public data bases according to established protocols.
- Performed data manipulation and transformation by creating programming scripts using the UNIX shell.

CLEAN TECH INTERN – Langara College
Vancouver, BC, Canada | May 2017 – February 2018

- Designed PCR primers to identify beer spoiling bacterial species.
- Created and programmed custom sensors to report experimental conditions.
- Worked with local breweries to identify the causes of beer yeast degradation using a variety of molecular biology techniques.

JUNIOR SOFTWARE ENGINEER – GenomeDx Biosciences
Vancouver, BC, Canada | May 2014 – December 2014

- Collaborated with external researchers to validate prognostic biomarkers.
- Using SQL and Python, tracked samples from multiple databases.
- Increased the speed of microarray analyses by testing and validating a new workflow.

PUBLICATIONS

Metzig C, Gould M, Noronha R, Abbey R, Sandler M, & Colijn C. (2020). **Classification of Origin with Feature Selection and Network Construction for Folk Tunes**. *Pattern Recognition Letters*.

Noronha R, Stewart M & Moniz de Sá M. (2019). **The Effect of Sustainably-Sourced Waste Food Diets on Yellow Mealworm Larvae (Tenebrio Molitor)**. *SFU Science Undergraduate Research Journal*.

Leung ET, Noronha R, Mirza A, Shenwai R & Mpatziakas A. (2018). **ShinyDiversity - Understanding Alpha and Beta Diversity through Interactive Visualizations.** *F1000Research*.

Naumann K, Moniz de Sá M, Lewis E, & Noronha R. (2017). **Supercolonies of the invasive ant, Myrmica rubra (Hymenoptera: Formicidae) in British Columbia, Canada.** *Journal of the Entomological Society of British Columbia*.

Pollack A et al. (2015). **A Biomarker Panel Associated With Distant Metastasis (DM) in Prostate Cancer Patients Treated With Radiation Therapy Is Also Prognostic for DM in a Large Cohort of Prostatectomy Patients**. *International Journal of Radiation Oncology • Biology • Physics*.

PRESENTATIONS

Noronha R (November 3, 2018). **Changing Food for a Changing World.** TEDxSFU: Uncharted, Vancouver, Canada