

Kyle M. Newcomb

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EDUCATION

Simon Fraser University

**Bachelor of Science (Honours),
Molecular Biology and Biochemistry**

Sept 2017 – Aug 2021

- Honours with Distinction
- Dean's Honour Roll
- President's Honour Roll

WORK EXPERIENCE

Thermo Fisher Scientific

Senior Site Specialist

Jan 2022 – Mar 2023

- Performed DNA scaleup for sequencing and downstream processes
- Accurately created over 2000 L of media and buffer to supply projects across entire site
- Implemented changes to improve current processes and reduce costs in accordance with GxP standards

St. John's Ambulance

Warehouse Distribution Associate

Apr 2018 – Sept 2018

- Maintained precise records for deliveries of all medical, first aid and teaching equipment
- Improved quality control standards by paying attention to details
- Managed the accurate distribution of naloxone during the initial setup of the training course

Best Buy

Product Processing Associate

Jun 2016 – Dec 2016

- Maintained precise records of deliveries for all technological products
- Organized the products within the customer-facing departments and kept inventory of stock

Pacific Coast Hockey
Association

Referee

Sept 2010 – Jun 2016

- Focused on the safety of all participants and observers during ice hockey games
- Upheld the highest level of integrity and objectivity to make fast-paced and accurate decisions that aligned with the expected standards

VOLUNTEER & EXTRA-CURRICULAR

Student Biotechnology Network

- Event Coordinator** Nov 2021 – Jul 2022
- Canada's largest student-led organization for driving connections between student and the life sciences industry
 - Created and organized events to connect students with peers and mentors, including businesses such as Chinook Therapeutics, Stem Cell Technologies, and Pfizer Inc.

Genome BC

- Geneskool Mentor** Oct 2021 – Jun 2022
- Delivered curated and interactive presentations to high school students to teach and introduce the field of genomics

Simon Fraser Student Society (SFSS)

- Councilor** Feb 2020 – Apr 2021
- Elected to represent interests of 1,000+ students in the Department of Molecular Biology and Biochemistry
 - Led proposals and discussions around topics impacting 25,000+ students
 - Presented motions and negotiated written agreements between Departments and Student Unions for designated departmental student spaces

Molecular Biology and Biochemistry Student Union (MBBSU)

- SFSS Council Representative** Feb 2020 – Apr 2021
- Represented interests on behalf of the students in the Department of Molecular Biology and Biochemistry
 - One of three primary cowriters of the new MBBSU Constitution
 - Elected as the Independent Electoral Chief Commissioner during the 2021 MBBSU General Election

University of British Columbia Skin Cancer Awareness Network

- Presenter** Dec 2020 – Jun 2021
- Delivered online, curated presentations to high school students at various districts in the GVRD
 - Educated groups without scientific or medical background about sun safety and skin cancer

Richmond Minor Hockey Association

- Hockey Team Captain/Assistant Captain** Sept 2007 – Mar 2020
- Selected as a team leader and representative on and off the ice for multiple amateur ice and ball hockey teams
 - Communicated with a broad range of people under multiple dynamic situations

Richmond Minor Hockey Association

Ice Hockey Skills Development Coach Sept 2015 – Jun 2016

- Coached children from multiple age groups on techniques to improve their skills in ice hockey

Canucks Place Representative

Matthew McNair Secondary Mini School Representative Apr 2014

- Selected to represent the annual Matthew McNair Mini School donations to Canucks Place Children's Hospital

PUBLICATIONS

Newcomb, K., et al. The Effect of an Ethyl Acetate Extract of Frozen Cranberries mixed with Amphotericin B as a Growth Inhibitor of *Mucor racemosus*. **5** (2020). *SFU Sci Undergraduate Research J.*

<https://journals.sfu.ca/sfusurj/index.php/journal/article/view/105>

SCHOLARSHIPS

- **Pacific Coast Hockey Association** Jun 2016
- **Richmond Minor Hockey Association** Jun 2016
- **BC Achievement Scholarship** Jun 2016

ADDITIONAL SKILLS

- RNA assay development, RT-qPCR analysis, Gel electrophoresis
- Cell and tissue culturing (human, bacteria, fungal), Lentiviral Transduction, Bacterial Transformation, Golden Gate Cloning
- Immunoblotting, Immunoprecipitation, ELISA, SDS-PAGE
- Python for Sequence Analysis, PyMOL, IGV, FinchTV, ClustalW
- Experience with Viaflo, Lunatic
- Benchling, Microsoft Office (Word, Excel, PowerPoint)

INTERESTS

- Hockey
- Skiing
- Chess
- Culinary Explorer
- Camping