

Casey Engstrom

PHD CANDIDATE IN MOLECULAR BIOLOGY

Simon Fraser University Dept. Molecular Biology and Biochemistry

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Education

Simon Fraser University

PHD CANDIDATE MOLECULAR BIOLOGY

- Tentative thesis title: "Snow Algae Biodiversity and Biogeography: From Single-Cell to Satellite"

Metro Vancouver, BC

January 2018–NA

Middlebury College

BA BIOLOGY

Vermont, USA

2008–2013

Publications

Yakimovich, K. M., Gauthier, N. P. G., Engstrom, C. B., Leya, T., & Quarmby, L. M. (2021). A molecular analysis of microalgae from around the globe to revise Raphidonema (trebouxiophyceae, chlorophyta). *Journal of Phycology*, n/a. <https://doi.org/10.1111/jpy.13183>

Engstrom, C. B., Yakimovich, K. M., & Quarmby, L. M. (2020). Variation in Snow Algae Blooms in the Coast Range of British Columbia. *Frontiers in Microbiology*, 11. <https://doi.org/10.3389/fmicb.2020.00569>

Yakimovich, K. M., Engstrom, C. B., & Quarmby, L. M. (2020). Alpine Snow Algae Microbiome Diversity in the Coast Range of British Columbia. *Frontiers in Microbiology*, 11. <https://doi.org/10.3389/fmicb.2020.01721>

Science communication

Engstrom, C., & Quarmby, L. (2019). Watermelon snow: A microscopic serengeti. *Alpine Club of Canada State of the Mountains Report*, 40–41.

Presentations

MBB Student Colloquium

TRACKING SNOW ALGAE BIOGEOGRAPHY AND TRENDS USING REMOTE SENSING

Burnaby, BC (virtual)

2021

Snow Algae Meeting

BLOOM OR BUST: REMOTE SENSING INTERANNUAL VARIATION IN PINK SNOW ALGAE BLOOMS

Prague (virtual)

2020

MBB Student Colloquium

Burnaby, BC

2019

SFU Omics

EXPLORING MICROBIAL DIVERSITY IN SNOW ALGAE BLOOMS: SHAPESHIFTING CELLS, RED-HANDED TARDIGRADES, AND VAMPIRE

FUNGI

Burnaby, BC

2019

EcoEvo

Squamish, BC

2019

- Best 3 minute talk award

MBB Student Colloquium

Burnaby, BC

2018

Workshops taught

SFU Library Research Commons

INTRO TO GOOGLE EARTH ENGINE

2021

TAing

Middlebury College Dept. Physics

OPTICS THERMODYNAMICS AND WAVES

2012

Middlebury College Dept. Biology

VERTEBRATE NATURAL HISTORY

2012

Middlebury College Dept. Biology

ECOLOGY AND EVOLUTION

2011

Mentoring

Joud Albeitshawish

UNDERGRADUATE HONOURS THESIS

2021

Service

Organiser

2019

- Omics organising committee

Organiser

2020

- HackSeqRNA Fundraising committee