

# Casey Engstrom

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*PhD Candidate*

## Education

- 2018–current **PhD Candidate, Molecular Biology**, *Simon Fraser University*, Burnaby, BC.
- Tentative thesis title: “Snow Algae Biodiversity and Biogeography: From Single-Cell to Satellite”
  - CGPA 4.24/4.33
- 2008–2013 **BA Biology, Physics minor**, *Middlebury College*, Middlebury, VT.
- CGPA 3.47/4.00

## 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>

## Other publications

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

## Presentations

- 2021 **MBB Student Colloquium**, Burnaby, BC (virtual).
- 2020 **Snow Algae Meeting**, Prague (virtual).
- 2019 **MBB Student Colloquium**, Burnaby, BC.
- 2019 **SFU Omics Group Monthly Meeting**, Burnaby, BC.

2019 **EcoEvo Retreat**, Squamish, BC.

2018 **MBB Student Colloquium**, Burnaby, BC.

## Workshops taught

2021 **Intro to Google Earth Engine**, *SFU Library Research Commons*.

## Mentoring

2021 **Joud Albeitshawish**, *Undergraduate*.

## Service

2019 **Organizer**, *Omics Student Group*.

2020 **Fundraising committee**, *HackSeqRNA*.

## Professional development

2019 **HackSeq Bioinformatics Hackathon**.

2019 **WestGrid Research Computing Summer School**.

2019 **GIS in R**, *SFU Library Research Commons*.

2019 **PyGitBash**, *SFU Library Research Commons*.

2019 **Vancouver Oxford Nanopore Day**.

2018 **Intro to R workshop**, *SFU Library Research Commons*.

## Funding/Awards

2021 **Graduate Fellowship**.

2020 **Weyerhauser Fellowship**.

2019 **Graduate Fellowship (x2)**.

2018 **Weyerhauser Fellowship**.

■ Teaching assistant

2012 **Optics, Thermodynamics and Waves**, *Middlebury College*.

2012 **Vertebrate Natural History**, *Middlebury College*.

2011 **Ecology and Evolution**, *Middlebury College*.