

## Curriculum vitae with early achievements track record (for early career scientists)

Role in the project    Project manager     Project partner   

### Personal information

First name, Surname:	Karley Campbell		
Date of birth:	15.07.1988	Sex:	Female
Nationality:	Canadian		
Researcher unique identifier(s) (ORCID, ResearcherID, etc.):	orcid.org/0000-0001-5008-0705		
URL for personal website:	<a href="https://en.uit.no/ansatte/person?p_document_id=655080">https://en.uit.no/ansatte/person?p_document_id=655080</a> <a href="https://www.researchgate.net/profile/Karley_Campbell">https://www.researchgate.net/profile/Karley_Campbell</a>		

### Education

Year	Faculty/department - University/institution - Country
2017 (dissertation defended)	PhD in Geography (Sea ice biogeochemistry), Department of Environment and Geography, University of Manitoba, Canada
2012	MSc in Geography (Sea ice bio-optics & microbiology), Department of Environment and Geography, University of Manitoba, Canada

### Positions - current and previous

Year	Job title – Employer - Country
2019-	Associate Professor in Marine Botany, UiT the Arctic University of Norway, Tromsø, Norway
2018-2019	Postdoctoral Research Associate, University of Bristol, United Kingdom
2017-2018	Postdoctoral Research Fellow, University of Manitoba, Canada

### Project management experience

Year	Project owner - Project - Role - Funder
2021-2025	Project owner: UiT The Arctic University of Norway ( <a href="https://en.uit.no">https://en.uit.no</a> ) Project: Bottom sea ice Respiration and nutrient Exchanges Assessed for THE Arctic (BREATHE)

	<p>Role: <b>Project lead</b>  Funder: Research Council Norway (<a href="https://www.forskningsradet.no/en">https://www.forskningsradet.no/en</a>)</p>
2020-	<p>Project owner: Norwegian Polar Institute (<a href="https://www.npolar.no/en/">https://www.npolar.no/en/</a>).  Project: Physical drivers of ice algal HOTspots in a changing Arctic ocean (PHOTA)  Role: <b>Co-investigator &amp; WP lead</b>  Funder: Fram Center, Norway (<a href="https://framcentre.com/">https://framcentre.com/</a>).</p>
2018-2021 (Dec)	<p>Project owner: University of Bristol (<a href="https://www.bristol.ac.uk/">https://www.bristol.ac.uk/</a>)  Project: Diatom Autecological Responses with Changes To Ice Cover (Diatom ARCTIC)  Role: <b>Co-investigator, scientific lead &amp; co-supervisor (2 postdoctoral fellows)</b>  Funder: Natural Environment Research Council (<a href="https://nerc.ukri.org/">https://nerc.ukri.org/</a>)</p>
2019-2020	<p>Project owner: University of Bristol (<a href="https://www.bristol.ac.uk/">https://www.bristol.ac.uk/</a>)  Project: Microbes In the Cryosphere Respond to Nutrient Enrichment Near Turbulence (MICRO NutriENT)  Role: <b>Principal investigator</b>  Funder: UK Arctic Office (<a href="https://www.arctic.ac.uk">https://www.arctic.ac.uk</a>)</p>
2018-	<p>Project owner: Department of Fisheries &amp; Oceans Canada  Project: Multidisciplinary Arctic Program  Role: <b>Collaborator</b>  Funder: Government of Canada</p>
2017-2020	<p>Project owner: University of Manitoba (<a href="http://umanitoba.ca/ceos/">http://umanitoba.ca/ceos/</a>)  Project: Southampton Island Marine Ecosystem Project (SIMEP)  Role: <b>Collaborator, Chief Scientist (fieldwork 2019)</b>  Funder: MEOPAR (<a href="https://meopar.ca/">https://meopar.ca/</a>)</p>

### Supervision of students

MSc. students	Ph.D. students	University/institution - Country
2	1	University of Tromsø, Norway

### Other relevant professional experiences

Year	Description – Role
2020-	<b>Arctic Science Partnership (ASP)</b> . ASP Communications and Laboratory Committee(s). <u>UiT Representative</u> .
2019-	<b>Arctic Marine Ecosystem Research Network (ARCTOS)</b> . ARCTOS Secretariat (International). <u>UiT The Arctic University of Norway, Secretariat Representative</u>
2017-	<b>Measuring Essential Climate Variables in Sea ice (ECV-Ice)</b> , Scientific Committee on Oceanographic Research (SCOR) working group 152 (International). <u>Member</u>
2017-	<b>Biogeochemical exchange processes at Sea Ice Interfaces (BEPSII)</b> working group endorsed by SCAR, CliC, and SOLAS (International). <u>Member</u>
2018	<b>Arctic Research Icebreaker Consortium</b> , Grant review board (International). <u>Reviewer</u>

2018	<b>IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC)</b> . <u>APECS Reviewer</u>
2013-2018	<b>Arctic Biogeochemical Optics Laboratory (ABOL)</b> , <sup>14</sup> C and <sup>3</sup> H-Leucine, University of Manitoba, <u>Laboratory Radiation Supervisor (LRS)</u>
2015-2016	<b>Field Topics in Arctic Systems: Snow Covered Sea Ice Field School Organizing Committee</b> (Arctic Science Partnership, International). <u>Co-organizer, Instructor, Outreach lead</u>
2011-2014	<b>ArcticNet Student Association</b> (ASA, National-Canada). <u>President</u> (2012/2014). <u>Student Day Coordinator</u> , co-organizer of the International Polar Year (IPY) Student Career Workshop (including break-out session on science outreach) (2011/2012)
2013-2014	<b>Maamuitau Illinnia/Gather-Learn Field School Organizing Committee</b> (ArcticNet & Arctic Science Partnership, National-Canada & International). <u>Co-organizer, Outreach lead</u>

## Early achievements track record

Total number of publications during the career: **21** (6 first-author)

Google Scholar: **h-index 14** and **729 citations** (01-11-21)

([https://scholar.google.com/citations?user=G-a\\_UFcAAAAJ&hl=en](https://scholar.google.com/citations?user=G-a_UFcAAAAJ&hl=en))

### Selection of publications:

- Campbell, K., Lange, B.A., Landy, J.C.**, Katlein, C., Nicolaus, M., Anhaus, P., Matero, I., **Grading, R.**, Charette, J., Duerksen, S., Tremblay, P., **Rysgaard, S.**, Tranter, M., Haas, C., and C. Michel (*in press*), Widespread net heterotrophy in High Arctic first-year and multi-year sea ice, *Elementa Science of the Anthropocene*.
- Campbell, K.**, Mundy, C.J., Juhl, A., Dalman, L., Michel, C., Galley, R., **Else, B.E.**, Gelfius, N.X., and **S. Rysgaard** (2019), Melt procedure affects the photosynthetic response of sea ice algae, *Frontiers in Earth Science* 7(21), doi: 10.3389/feart.2019.00021.
- Campbell, K.**, Mundy, C.J., Belzile, C., Delaforge, A., and **S. Rysgaard** (2018), Seasonal dynamics of algal and bacterial communities in Arctic sea ice under variable snow cover, *Polar Biology* 41(1), 41-58, doi: 10.1007/s00300-017-2168-2.
- Campbell, K.**, Mundy, C.J., Gosselin, M., **Landy, J.C.**, Delaforge, A., and **S. Rysgaard** (2017), The productive state of bottom sea ice over the Arctic spring bloom, *Geophysical Research Letters* 44, 8971-8978, doi: 10.1002/2017GL074602.
- Campbell, K.**, Mundy, C.J., **Landy, J.C.**, Delaforge, A., Michel, C., and **S. Rysgaard** (2016), Community dynamics of bottom-ice algae in Dease Strait of the Canadian Arctic, *Progress in Oceanography* 149, 27-39, doi: 10.1016/j.pcean.2016.10.005.
- Campbell, K.**, Mundy, C.J., Barber, D.G., and M. Gosselin (2015), Characterizing the sea ice algae chlorophyll *a*-snow depth relationship over Arctic spring melt using transmitted irradiance, *Journal of Marine Systems* 147, 76-84, doi:10.1016/j.jmarsys.2014.01.008.

## Other Outputs of relevance

### Outreach Outputs

(1) Crabeck, O., **Campbell, K.** et al. (2021), The movement of CO2 through the frozen world of sea ice. *Frontiers for Young Minds*, doi: 10.3389/frym.2020.516072.

(2) **Campbell, K.** (2018), Chapter 5: Building Blocks of the Bay & Chapter 6: The Heart of the Bay, Hinam, H., Barber, L. and D. Barber (Eds.), *Expedition Churchill: Gateway to Arctic Research 1<sup>st</sup> Ed.*

### Selection of Invited Presentations

Event Name	Audience	Attendance	Date of Involvement
COP26 Cryosphere Pavilion	COP26 attendees	-	November 2021
FAABulous 2020 workshop	Academic peers	40	November 2020
Hunters & Trappers Organization Coral Harbour (CA)	Committee members	12	May 2019
Access to Bristol (UK)	Youth 15-17	20	November 2018
Science for Schools (Trømsø, NO)	Youth 14-18	50	January 2017
Arctic Climate Change Youth Forum (ACCYF) (CA)	Youth 14-18	50	December 2016
Nuuk High School (GL)	Youth 14-18	100	February 2016
Yellowquill Elementary School visit (Portage La Prairie, MB)	Youth 6-12	100	April 2011

### Fellowships, Awards & Prizes (Currency in Canadian Dollars)

**09/2018** European Commission Seal of Excellence for Marie Sklodwska-Curie Actions  
(EU, International)

**06/2017** C.H.R. Faculty of Environment, Earth and Resources Graduate Initiative Prize  
(\$1000; University of Manitoba, Canada)

**06/2016** V.E. Barber Memorial Fellowship in Arctic Research  
(\$9000; University of Manitoba)

**10/2013** C.H.R. Faculty of Environment, Earth and Resources Masters Thesis Prize  
(\$1000; University of Manitoba, Canada)

**10/2013** Department of Environment and Geography Masters Thesis Prize  
(\$1275; University of Manitoba, Canada)

**04/2014 – 04/2016** Alexander Graham Bell Canadian Graduate Scholarship - Doctoral  
(\$35,000 per year; National, Canada)

**04/2013 – 04/2014** NSERC Postgraduate Scholarship  
(\$21,000 per year; National, Canada)

**01/2013 – 01/2017** Manitoba Graduate Scholarship  
(\$7500 per year; Manitoba Government, Canada)

**09/2012 – 04/2013** University of Manitoba Graduate Fellowship  
(\$16,000 per year; University of Manitoba, Canada declined)