

Caroline Bouchard

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HIGHER EDUCATION

2014 Ph.D. in Oceanography, Université Laval, Québec, Canada
2007 M.Sc. in Biology, Université Laval, Québec, Canada
2004 B.Sc. in Biology, Université du Québec à Rimouski

ACADEMIC APPOINTMENTS

Since 2022 Senior Researcher
Greenland Climate Research Centre, Greenland Institute of Natural Resources
(Pinngortitaleriffik), Nuuk, Greenland

Since 2019 Adjunct Professor
Department of Biology, Université Laval, Québec City, Canada

2017 – 2022 Researcher
Greenland Climate Research Centre, Greenland Institute of Natural Resources
(Pinngortitaleriffik), Nuuk, Greenland

2015 – 2016 Postdoctoral Researcher - W. Garfield Weston Foundation
Department of Biology, Université Laval, Québec, Canada

2013 – 2014 Postdoctoral Researcher
MARICE, University of Iceland, Reykjavík, Iceland

PUBLICATION RECORD

a) Peer-Reviewed Scientific Publications

35. David C, Feng Z, **Bouchard C**, Zhang J, Alabia I, Hop H, Castellani G, Ji R (in preparation) Does it matter to Arctic cod (*Boreogadus saida*) that Earth just passed the 2-degree benchmark for global warming? Target journal: Global Change Biology.
34. Ogawa M, **Bouchard C**, Schiøtt S, Yoko M (in preparation) Diet and habitats use of marine mammals in Qaanaaq, North Greenland.
33. Jones L, Lou R, Murray C, Robert D, Bourne C, **Bouchard C**, Carlon D, Wiley D, Therkildsen NO, Baumann H (in preparation) Nucleotide diversity analysis between larval and adult life stages in an arctic fish using low-coverage whole genome sequencing.

32. Maes S, Verheye M, Christiansen H, **Bouchard C**, Geslain E, Hellemans B, Johansen T, Mark FC, Lucassen M, Mueter F, Volckaert F, Flores H (in preparation) Population genomics of polar cod (*Boreogadus saida*) in a vanishing Arctic seascape.
31. Jansen T, Post S, **Bouchard C** (in preparation) Poleward shift in polar cod range in West Greenland. Target journal: Polar Biology.
30. Hansen RG, **Bouchard C**, Chawarski J, Ma Y, Heide-Jørgensen MP (in preparation) Ecological dynamics of narwhals and their prey in Dove Bay, an oasis of productivity in the Greenland Sea. Target journal: Diversity and Distributions.
29. Dmitrenko IA, Petrusevich V, Preußner A, Kosobokova K, **Bouchard C**, Geoffroy M, Komarov AS, Babb DG, Kirillov SA, Barber DG (in preparation) Arctic coastal polynyas modify zooplankton seasonal vertical migration in the Laptev and Beaufort seas. Target journal: Progress in Oceanography.
28. Schembri S, **Bouchard C**, Jones L, Baumann H, Maps F (in preparation) Age-0 fish assemblages in the Hudson Bay system. Target journal: Arctic Science.
27. Caissy P, **Bouchard C**, Herbig J, Geoffroy M, Maps F (in preparation) Impacts of changing environmental conditions on age-0 Arctic cod feeding success in the Canadian Arctic and Greenland Sea. Target journal: Arctic Science.
26. Herbig J, Fisher J, **Bouchard C**, Niemi A, LeBlanc M, Majewski A, Gauthier S, Geoffroy M (2023) Climate and juvenile recruitment drive Arctic cod (*Boreogadus saida*) dynamics in two Canadian Arctic seas. *Elementa: Science of the Anthropocene* 11: 1. DOI: <https://doi.org/10.1525/elementa.2023.00033>.
25. Geoffroy M, **Bouchard C**, Flores H, Robert D, Gjørseter H, Hoover C, Hop H, Hussey NE, Nahrgang J, Steiner N, Bender M, Berge J, Castellani G, Chernova N, Copeman L, David CL, Deary A, Divoky G, Dolgov AV, Duffy-Anderson J, Dupont N, Durant JM, Elliott K, Gauthier S, Goldstein E, Gradinger R, Hedges K, Herbig J, Laurel B, Loseto L, Maes S, Mark FC, Mosbech A, Pedro S, Pettitt-Wade H, Prokopchuk I, Renaud PE, Schembri S, Vestfals C, Walkusz W (2023) The circumpolar impacts of climate change and anthropogenic stressors on Arctic cod (*Boreogadus saida*) and its ecosystem. *Elementa: Science of the Anthropocene* 11: 1. DOI: <https://doi.org/10.1525/elementa.2022.00097>.
24. **Bouchard C**, Farnole P, Lynge-Pedersen K, Dahl PE, Christiansen H (2023) Arctic cod (*Boreogadus saida*) in fjord and glacial habitats: a collaborative study with Uummannaq Kangerlua fishers. *Arctic Science*. DOI: <https://doi.org/10.1139/AS-2023-0014>.
23. Schembri S, **Bouchard C**, Pontbriand T, Maps F (2023) Seasonality of zooplankton communities in the Hudson Bay system. *Elementa: Science of the Anthropocene* 11: 00113. DOI: <https://doi.org/10.1525/elementa.2022.00113>.
22. Jones L, Lou R, Murray C, Robert D, Bourne C, **Bouchard C**, Carlon D, Wiley D, Therkildsen NO, Baumann H (2022) Two distinct population clusters of Northern sand lance (*Ammodytes dubius*) on the Northwest Atlantic shelf revealed by whole genome sequencing. *ICES Journal of Marine Science*. DOI: <https://doi.org/10.1093/icesjms/fsac217>.
21. Straneo F, Slater DA, **Bouchard C**, Cape MR, Carey M, Ciannelli L, Holte J, Matrai P, Laidre K, Little C, Meire L, Seroussi H, Vernet M (2022). An interdisciplinary perspective on Greenland's changing coastal margins. *Oceanography*. DOI: <https://doi.org/10.5670/oceanog.2022.128>.

20. **Bouchard C**, Chawarski J, Geoffroy M, Klasmeier A, Møller EF, Mohn C, Agersted MD (2022) Resource partitioning may limit interspecific competition among Arctic fish species during early life. *Elementa: Science of the Anthropocene* 10: 00038. DOI: <https://doi.org/10.1525/elementa.2021.00038>.
19. David C, Ji R, Hop H, **Bouchard C**, Hutchings J (2022) The interactive effects of temperature and food consumption on larval Arctic cod growth: a bioenergetic model. *Elementa: Science of the Anthropocene* 10: 00045. DOI: <https://doi.org/10.1525/elementa.2021.00045>.
18. Schembri S, Deschepper I, Myers PG, Sirois P, Fortier L, **Bouchard C**, Maps F, (2021) Arctic cod (*Boreogadus saida*) hatching in the Hudson Bay system: Testing of the freshwater winter refuge hypothesis. *Elementa: Science of the Anthropocene* 9: 00042. DOI: <https://doi.org/10.1525/elementa.2021.00042>.
17. Dmitrenko IA, Petrusevich VY, Kosobokova K, Komarov AS, **Bouchard C**, Geoffroy M, Koldunov NV, Babb DG, Kirillov SA, Barber DG (2021) Coastal polynya disrupts the acoustic backscatter diurnal signal over the eastern Laptev Sea shelf. *Frontiers in Marine Science* 8: 791096. DOI: <https://doi.org/10.3389/fmars.2021.791096>.
16. **Bouchard C**, Charbogne A, Baumgartner F, Maes S (2020) West Greenland ichthyoplankton and how melting glaciers could allow Arctic cod larvae to survive extreme summer temperatures. *Arctic Science* 7: 217-239. DOI: <https://doi.org/10.1139/as-2020-0019>.
15. **Bouchard C**, Fortier L (2020) The importance of *Calanus glacialis* for the feeding success of young polar cod: a circumpolar synthesis. *Polar Biology* 43: 1095-1107. DOI: <https://doi.org/10.1007/s00300-020-02643-0>.
14. Nelson RJ, **Bouchard C**, Fortier L, Majewski A, Reist J, Præbel K, Madsen M, Rose G, Kessel Steve, Divoky G (2020) Circumpolar genetic population structure of polar cod, *Boreogadus saida*. *Polar Biology* 43: 951-961. DOI: <https://doi.org/10.1007/s00300-020-02660-z>.
13. LeBlanc M, Geoffroy M, **Bouchard C**, Gauthier S, Majewski A, Reist JD, Fortier L (2020) Pelagic production and the recruitment of juvenile polar cod *Boreogadus saida* in Canadian Arctic seas. *Polar Biology* 43: 1043-1054. DOI: <https://doi.org/10.1007/s00300-019-02565-6>.
12. **Bouchard C**, Geoffroy M, LeBlanc M, Fortier L (2018) Larval and adult fish assemblages along the Northwest Passage: the shallow Kitikmeot and the ice-covered Parry Channel as potential barriers to dispersal. *Arctic Science* 4: 781-793. DOI: <https://doi.org/10.1139/as-2018-0003>.
11. Falardeau M, **Bouchard C**, Robert D, Fortier L (2017) First records of Pacific sand lance (*Ammodytes hexapterus*) in the Canadian Arctic Archipelago. *Polar Biology* 40: 2291-2296. DOI: <https://doi.org/10.1007/s00300-017-2141-0>.
10. **Bouchard C**, Geoffroy M, LeBlanc M, Majewski A, Gauthier S, Walkusz W, Reist JD, Fortier L (2017) Climate warming enhances polar cod recruitment, at least transiently. *Progress in Oceanography* 156: 121-129. DOI: <https://doi.org/10.1016/j.pocean.2017.06.008>.
9. **Bouchard C**, Mollard S, Suzuki K, Robert D, Fortier L (2016) Contrasting the early life histories of sympatric Arctic gadids *Boreogadus saida* and *Arctogadus glacialis* in the Canadian Beaufort Sea. *Polar Biology* 39: 1005-1022. DOI: <https://doi.org/10.1007/s00300-014-1617-4>.

8. **Bouchard C**, Thorrold SR, Fortier L (2015) Spatial segregation, dispersion and migration in early stages of polar cod *Boreogadus saida* revealed by otolith chemistry. *Marine Biology* 162: 855-868. DOI: <https://doi.org/10.1007/s00227-015-2629-5>.
7. Woods PJ, **Bouchard C**, Holland DS, Punt AE, Marteinsdóttir G (2015) Catch-quota balancing mechanisms in the Icelandic multi-species demersal fishery: are all species equal? *Marine Policy* 55:1-10. DOI: <https://doi.org/10.1016/j.marpol.2015.01.004>.
6. Suzuki KW, **Bouchard C**, Robert D, Fortier L (2015) Spatiotemporal occurrence of summer ichthyoplankton in the southeast Beaufort Sea. *Polar Biology* 38: 1379-1389. DOI: <https://doi.org/10.1007/s00300-015-1701-4>.
5. Pepin P, Robert D, **Bouchard C**, Dower JF, Falardeau M, Fortier L, Jenkins GP, Levesque K, Llopiz JK, Meekan MG, Murphy HM, Ringuette M, Sirois P, Sponaugle S. (2015) Once upon a larva: Revisiting the relationship between feeding success and growth in fish larvae. *ICES Journal of Marine Science* 72: 359-373. DOI: <https://doi.org/10.1093/icesjms/fsu201>. (Editor's Choice).
4. **Bouchard C**, Robert D, Nelson RJ, Fortier L (2013) The nucleus of the lapillar otolith discriminates the early life stages of *Boreogadus saida* and *Arctogadus glacialis*. *Polar Biology* 36: 1537-1542. DOI: <https://doi.org/10.1007/s00300-013-1371-z>.
3. Nelson RJ, **Bouchard C**, Madsen M, Praebel K, Rondeau E, Schalburg K, Leong JS, Jantzen S, Sandwith Z, Puckett S, Messmer A, Fevolden S-E, Koop BF (2013) Microsatellite loci for genetic analysis of the arctic gadids *Boreogadus saida* and *Arctogadus glacialis*. *Conservation Genetics Resources* 5: 445-448. DOI: <https://doi.org/10.1007/s00300-020-02660-z>.
2. **Bouchard C**, Fortier L (2011) Circum-arctic comparison of the hatching season of polar cod *Boreogadus saida*: a test of the freshwater winter refuge hypothesis. *Progress in Oceanography* 90: 105-116. DOI: <https://doi.org/10.1016/j.pocean.2011.02.008>.
1. **Bouchard C**, Fortier L (2008) Effects of polynyas on the hatching season, early growth and survival of polar cod (*Boreogadus saida*) in the Laptev Sea. *Marine Ecology Progress Series* 355: 247-256. DOI: <https://doi.org/10.3354/meps07335>.

b) Non-Peer Reviewed Article

1. Mueter F, **Bouchard C**, Hop H, Laurel B, Norcross B (2020) Arctic gadids in a rapidly changing environment. *Polar Biology* 43: 945-949. DOI: <https://doi.org/10.1007/s00300-020-02696-1>.

c) Summary for Policy Makers

1. **Science for Environmental Policy**, April 2012, Polar cod survival may be enhanced by climate warming, European Commission DG Environment News Alert Service. Thematic Issue 31: Arctic Science, p. 10.

d) Reports

9. de Carufel V, **Bouchard C**, Mortensen J, Meire L, Winding MHS, Juul-Pedersen T, Grønkjær P, Nozais C, Robert D (en préparation) Hatching and early larval survival patterns of sand lance (*Ammodytes* spp.) in a southwest Greenland fjord (Nuup Kangerlua) Greenland Institute of Natural Resources. Technical report.
8. Conne A, **Bouchard C**, Carratalà A, Mardens R, Marzelière M, Ryle M, Tremblay L, Wyss V (2022) Expédition Glacialis - Documentation des mammifères marins et de leur habitat, de l'archipel des Açores à la baie de Disko – Groenland - Rapport de mission 2021.
7. **Bouchard C**, Charbogne A, Meire L (2022) Role of glaciers on zooplankton and ichthyoplankton in West Greenland fjords. Greenland Institute of Natural Resources, Technical report no. 121, 22 p. ISBN: 978-87-972977-4-2. DOI: <https://doi.org/10.13140/RG.2.2.25253.42724>.
6. **Bouchard C** (2021) Age-0 fish in Upernavik and Uummannaq regions in August-September 2020. Greenland Institute of Natural Resources. 15 p. Technical report no. 120. ISBN 978-87-972977-3-5. DOI: <https://doi.org/10.13140/RG.2.2.20274.32961>.
5. **Bouchard C** (2020) Ichthyoplankton and pelagic fish assemblages in the Greenland Sea in 2017. Greenland Institute of Natural Resources. 24 p. Technical report no. 110. ISBN 87-91214-88-2. DOI: <https://doi.org/10.13140/RG.2.2.19132.51842>.
4. **Bouchard C**, Geoffroy M, LeBlanc M, Majewski A, Gauthier S, Walkusz W, Reist JD, Fortier L (2017) Climate warming helps Arctic cod – at least for the time being. *In*: Research Updates for the western and central Canadian Arctic, ArcticNet, 16 p.
3. Falardeau M, **Bouchard C**, Robert D, Fortier L (2017) A Pacific fish species, the Pacific sand lance, detected in the western and central Canadian Arctic. *In*: Research Updates for the western and central Canadian Arctic, ArcticNet, 16 p.
2. **Bouchard C**, Marteinsdóttir G (2013) Environmental effects of a submarine interconnector between Iceland and the UK. Unofficial Environmental Impact Assessment prepared for the National Power Company of Iceland (Landsvirkjun), 95 p.
1. Nelson RJ, **Bouchard C** (2013) Arctic Cod (*Boreogadus saida*) population structure and connectivity as examined with molecular genetics. North Pacific Research Board project 1125 Final Report, 37p.

RESEARCH GRANTS

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|------|--|
| 2023 | Greenland Research Council: Black or white? Underlying causes of phenotypic plasticity in polar cod (Lead applicant, DKK 97,840) |
| 2022 | Danish Environmental Agency-Environmental Support Program: Eqaugaq - Co-producing knowledge on polar cod in Greenland (Lead applicant, DKK 943,415) |
| 2022 | Global Arctic Leadership - Indigenous and Northern Research and Education Engagement fund: Bosanova - <i>Boreogadus saida</i> and newcomers, a community-based monitoring of Arctic cod in Nunavut and Greenland (Collaborator, CAD 40,000). |

- 2021 Greenland Research Council: Eqalugaq - Status and trends in polar cod (*Boreogadus saida*) populations in Greenland (Lead applicant, DKK 99,200)
- 2021 National Science Foundation-Navigating the New Arctic: Global changes, local impacts: Study of glacial fjords, ecosystems and communities in Greenland (2021, Collaborator, USD 2,996,750)
- 2021 Fisheries and Oceans Canada: Quantifying redbfish (*Sebastes* spp.) ecological roles within their expanding northern range extent in the North Atlantic via industry-academic partnerships (Co-applicant, CAD 265,000)
- 2020 Greenland Research Council: Eqalugaq – Polar cod response to climate change in High Arctic vs Low Arctic regions (Lead applicant, DKK 79,000)
- 2019 Greenland Research Council: ATKA: ichtyo- and zooplankton assemblages along the west Greenland Coast (Lead applicant, DKK 34,000)
- 2018 Swiss Polar Institute: Aalisakkat: Distribution of Fish and Zooplankton Around Greenland (Lead applicant, 2 months of shiptime during the GreenLAND Circumnavigation Expedition - GLACE Project)
- 2018 Greenland Research Council: Aalisakkat: Distribution of Fish and Zooplankton Around Greenland (Lead applicant, DKK 99,910)
- 2017 Greenland Research Council: What's in the Fridge? Species Composition and Abundance of Pelagic Fish Available to Top Predators in Northwest Greenland (Lead applicant, DKK 56,650)
- 2017 DCE, GINR & BMP: Strategic Environmental Study Plan for Northeast Greenland, WP Ice communities (Lead applicant, USD 64,000)
- 2016 – 2018 W. Garfield Weston Foundation: The Kitikmeot marine ecosystems study 2016-2018 (Co-applicant, CAD 889,227)
- 2015 W. Garfield Weston Foundation: The Queen Maud Gulf – Victoria Strait marine ecosystem – a pilot study in 2015 (Co-applicant, CAD 243,250)

AWARDS, SCHOLARSHIPS AND OTHER TYPES OF GRANTS

- 2021 Kommuneqarfik Sermersooq, Rådet til Kulturfremme, Sermeq puljen (Sermersooq Municipality, Council for promotion of culture, Sermeq Fund): Avataugiisitsinni ilisimatusarneq · Videnskab omkring mig · Science around me (Lead applicant, DKK 11,850)
- 2014 Norwegian Research Council Travel Fund (CAD 1,800)
- 2012 Québec-Océan Short Training Support (CAD 1,200)
- 2010 Malcolm Ramsay Memorial Award (CAD 1,000)
- 2010 FQRNT (Government of Quebec) International Internship Program (CAD 4,200)
- 2008 IPY Project no. 26, Pan-AME Student Exchange Program Grant (CAD 6,000)
- 2007 FQRNT Doctoral Research Scholarship (CAD 46,667)
- 2006 FQRNT Master Research Scholarship (CAD 10,000)
- 2004 NSERC (Government of Canada) Undergraduate Research Scholarship (CAD 5,625)

INVITED ORAL CONTRIBUTIONS

6. **Bouchard C**, Geoffroy M, Flores H, Robert D, et al. (2023) Circumpolar impacts of climate change and anthropogenic stressors on polar cod (*Boreogadus saida*) and its ecosystem: a review. ASLO Aquatic Sciences Meeting, 4-9 June 2023, Palma de Mallorca, Spain.
5. **Bouchard C** (2022) Reflection on the Manaus Letter. Workshop Towards good practice in the use of local and scientific knowledge for informing natural resource management, Aasiaat, 30 November 2022.
4. **Bouchard C** (2022) Is polar cod threatened by climate change in the Greenland Sea? Third meeting of the ICES Working Group on Integrated Ecosystem Assessment of the Greenland Sea, Nuuk, 8 November 2022.
3. **Bouchard C** (2022) Fan d'ours polaire? Souciez-vous de l'avenir des larves de morue polaire! Québec-Océan seminar, Université Laval, Quebec City, 16 September 2022. <https://www.youtube.com/watch?v=hTioaknTFjE>.
2. **Bouchard C** (2021) Polar cod early life stages in a warming Arctic. The Nansen Legacy webinar series, UiT The Arctic University of Norway, 1 June 2021.
1. **Bouchard C** (2021) Survival in frozen seas: 30 years of Arctic cod larval ecology. Ocean Sciences Seminar Series, Memorial University of Newfoundland, online presentation, 25 March 2021.

CONFERENCE PRESENTATIONS

a) Peer-Reviewed Oral Contributions

51. Juul-Pedersen T, Vonnahme TR, Koski M, **Bouchard C**, Ostermann E (2024) Marine biological hotspots along the continental slopes between Greenland and Canada. Danish Marine Science Meeting, Lyngby, Denmark.
50. Dmitrenko IA, Petrushevich V, Preußner A, Kosobokova K, **Bouchard C**, Geoffroy M, Komarov AS, Babb DG, Kirillov SA (2024) Diel vertical migration of zooplankton on Arctic shelves and its cessation during coastal polynya events. AGU Ocean Sciences Meeting, New Orleans, USA.
49. Geoffroy M, Herbig J, Fisher J, **Bouchard C**, Niemi A, LeBlanc M, Majewski A, Gauthier S, (2023) Climate and juvenile recruitment drive Arctic cod (*Boreogadus saida*) dynamics in two Canadian Arctic seas. ArcticNet Annual Scientific Meeting, Iqaluit, Canada.
48. **Bouchard C**, Farnole P, Lyngge-Pedersen K, Dahl PE, Christiansen H (2023) Eqaalugaq (*Boreogadus saida*) in fjord and glacial habitats: a collaborative study with Uummannaq Kangerlua fishers. Greenland Science Week, Nuuk, Greenland.
47. Jacobsen RB, Qatsa M, Burdinski A, **Bouchard C** (2023) Understanding changes in East Greenland coastal fisheries with Local Ecological Knowledge (LEK). Greenland Science Week, Nuuk, Greenland.
46. Straneo F, Slater DA, **Bouchard C**, Cape M, Carey M, Ciannelli L, Holte J, Matrai P, Laidre K, Little C, Meire L, Seroussi H, Vernet M (2023) Kalaallit Nunaat's Changing Coastal Ocean. Greenland Science Week, Nuuk, Greenland.

45. Lee G, Gobat J, Curry B, Stafford K, Jahn A, Myers P, Azetsu-Scott K, Hebert D, Richards C, Petrie B, Juul-Pedersen T, **Bouchard C**, Simon M, Stedmon C, Koski M, Gjelstrup C, Martin A, Brown P, Casacuberta N, Leist L, Gjerdrum C, Hogan H (2023) The Davis Strait Observing System. Greenland Science Week, Nuuk, Greenland.
44. Juul-Pedersen T, Vonnahme TR, Koski M, **Bouchard C**, Ostermann E (2023) Marine biological hotspots along the continental shelf breaks between Greenland and Canada. Greenland Science Week, Nuuk, Greenland.
43. **Bouchard C**, Farnole P, Lyng-Pedersen K, Dahl PE, Christiansen H (2023) Polar cod (*Boreogadus saida*) in fjord and glacial habitats: a collaborative study with Uummannaq Fjord fishers. ESSAS Annual Science Meeting, Bergen, Norway.
42. Maes SM, Verheye M, Christiansen H, **Bouchard C**, Geslain E, Hellemans B, Johansen T, Mark FC, Lucassen M, Mueter F, Volckaert FAM, Flores H (2023) Circumpolar population structure and connectivity of polar cod (*Boreogadus saida*). ICES Symposium Human Impacts on Marine Functional Connectivity, Sesimbra, Portugal.
41. Straneo F, Slater DA, **Bouchard C**, Cape M, Carey M, Ciannelli L, Holte J, Matrai P, Laidre K, Little C, Meire L, Seroussi H, Vernet M (2022). An interdisciplinary perspective on Greenland's changing coastal margins. AGU Fall Meeting, Chicago, USA.
40. **Bouchard C**, Farnole P, Lyng-Pedersen K, Dahl PE (2022) Eqaalugaq: polar cod at glacier fronts in Greenland. ArcticNet Annual Scientific Meeting, Toronto, Canada.
39. Geoffroy M, **Bouchard C**, Flores H, Robert D, et al. (2022) A review of the circumpolar impacts of climate change and anthropogenic stressors on Arctic cod (*Boreogadus saida*) and its ecosystem. ArcticNet Annual Scientific Meeting, Toronto, Canada.
38. Farnole P, Steiner N, Monahan A, Andreasen H, **Bouchard C**, Pogotak, Løvstrøm S, Stoller M (2022) Community-based monitoring, Inuit knowledge and ocean modelling to help improve our understanding of local marine ecosystems within two communities: Ulukhaktok and Uummannaq. ArcticNet Annual Scientific Meeting, Toronto, Canada.
37. Geoffroy M, **Bouchard C**, Flores H, Robert D, et al. (2022) Arctic cod (*Boreogadus saida*) in Arctic ecosystems: recent state, ecological role, and impact of climate change. ESSAS Annual Science Meeting, Seattle, USA.
36. Schembri S, **Bouchard C**, Maps F (2022) Co-distribution of key fish larvae species in the Hudson Bay system. Québec-Océan Annual General Meeting. Virtual conference.
35. Herbig J, **Bouchard C**, LeBlanc M, Niemi A, Majewski A, Gauthier S, Fisher J, Geoffroy M (2022) Do interannual variations in environmental conditions affect the recruitment of adult Arctic cod? Fourth ICES PICES Early Career Scientist Conference, St. John's, Newfoundland, Canada.
34. David LC, Hutchings JA, Feng Z, **Bouchard C**, Castellani G, Ji R (2022) Larval growth and recruitment potential of Arctic cod *Boreogadus saida* in a warming Arctic Ocean. Ocean Science Meeting. Virtual conference.
33. Maes S, Christiansen H, Geslain E, **Bouchard C**, Hellemans B, Mark FC, Lucassen M, Mueter F, Volckaert FAM, Flore H (2021) Circumpolar population genomics of polar cod: connectivity in a changing ecosystem. International Marine Connectivity conference. Paris, France.

32. Klasmeier A, Bouchard C (2021) Tiny stuff in tiny stomachs with big consequences: what larval polar cod eats. Greenland Science Week, Nuuk, Greenland.
31. **Bouchard C** (2021) Sailboats and fish larvae: a combo with the wind in its sails. 44th Annual Larval Fish Conference. Virtual conference.
30. Schembri S, Pontbriand T, Fortier L, **Bouchard C**, Maps F (2021) Seasonality of mesozooplankton communities in the Hudson Bay system. ICES Annual Science Conference. Virtual conference.
29. **Bouchard C**, Charbogne A, Baumgartner F, Maes SM (2020) Eggs in hot water, and how melting glaciers could allow Arctic cod larvae to survive extreme summer temperatures in Northwest Greenland. Arctic Change 2020. Virtual conference.
28. Herbig J, LeBlanc M, **Bouchard C**, Niemi A, Fisher J, Geoffroy M (2020) Do interannual variations in environmental conditions affect the recruitment of adult Arctic cod? Arctic Change 2020. Virtual conference.
27. **Bouchard C**, Robert D, Fortier L (2019) Climate-driven change in Arctic zooplankton species composition could decrease feeding success of polar cod larvae. Future Oceans₂ IMBeR Open Science Conference, Brest, France.
26. **Bouchard C**, Robert D, Fortier L (2019) Climate change, zooplankton and polar cod larvae in a nutshell. ESSAS workshop "Bioenergetics and survival trajectories of Arctic fish in response to environmental stressors", Brest, France.
25. Sakpal H, Zubrod J, Bossi R, Sun J, Schulz R, Søndergaard J, Mosbech A, Garbus S-E, **Bouchard C**, Eulaers I (2019) Food web dynamics of per- and polyfluoroalkyl substances and mercury in the Northeast Water, Greenland. Annual Conference of the Society on Environmental Toxicology and Chemistry, Helsinki, Finland.
24. **Bouchard C**, Aspirault A, Robert D, Fortier L (2018) Investigating the relationships between foraging strategy and feeding success using polar cod larvae. 42nd Annual Larval Fish Conference, Victoria, Canada.
23. **Bouchard C**, Aspirault A, Robert D, Fortier L (2018) Eat BIG: the importance of *Calanus glacialis* for the feeding success of polar cod larvae. ESSAS Annual Science Meeting, Fairbanks, USA.
22. Darnis G, **Bouchard C**, Geoffroy M, Grant C, Archambault P, Lalande C, LeBlanc M, Fortier L (2018) Is the shallow Kitikmeot a marine zoogeographic barrier within the Canadian Arctic Archipelago? 4th World Conference on Marine Biodiversity, Montréal, Canada.
21. Darnis G, **Bouchard C**, Geoffroy M, Grant C, Archambault P, Lalande C, LeBlanc M, Fortier L (2018) Is the shallow Kitikmeot a marine zoogeographic barrier within the Canadian Arctic Archipelago? POLAR Conference, Davos, Switzerland.
20. **Bouchard C**, Geoffroy M, LeBlanc M, Fortier L (2017) Larval and adult fish assemblages along the Northwest Passage: The shallow Kitikmeot as a potential zoogeographic barrier. Arctic Change, Quebec City, Canada.
19. LeBlanc M, Geoffroy M, **Bouchard C**, Fortier L (2017) The North Water polynya : a true biological hotspot for arctic cod *Boreogadus saida* recruitment? Arctic Change, Québec city, Canada.
18. **Bouchard C** (2017) Pelagic Ecosystem Monitoring. Arctic Circle Assembly, Reykjavík, Iceland.

17. LeBlanc M, Geoffroy M, **Bouchard C**, Fortier L (2017) The North Water polynya : a true biological hotspot for polar cod *Boreogadus saida* recruitment? North Water polynya Conference, Copenhagen, Denmark.
16. LeBlanc M, Geoffroy M, **Bouchard C**, Fortier L (2017) The North Water polynya : a true biological hotspot for arctic cod *Boreogadus saida* recruitment? Québec-Océan Annual General Meeting, Rivière-du-Loup, Canada.
15. Falardeau M, **Bouchard C**, Robert D, Fortier L (2017) Invasion of the Canadian Arctic Archipelago by Pacific sand lance detected by an ichthyoplankton survey. 41th Annual Larval Fish Conference, Austin, USA.
14. **Bouchard C**, Geoffroy M, LeBlanc M, Fortier L (2016) Climate warming enhances juvenile arctic cod recruitment in Canadian Arctic seas. ArcticNet Annual Scientific Meeting, Winnipeg, Canada.
13. **Bouchard C**, Geoffroy M, LeBlanc M, Lafleur C, Fortier L (2015) Marine fish populations in the Kitikmeot region. ArcticNet Annual Scientific Meeting, Vancouver, Canada.
12. **Bouchard C**, Geoffroy M, LeBlanc M, Lafleur C, Fortier L (2015) Les poissons marins du Kitikmeot (Archipel Arctique Canadien) sortent de l'ombre. Québec-Océan Annual General Meeting, Quebec city, Canada.
11. Suzuki K, Robert D, **Bouchard C**, Fortier L (2014) Contribution of ichthyoplankton surveys to the assessment of variability in spatiotemporal occurrence patterns of fish in an arctic sea. Arctic Change, Ottawa, Canada.
10. **Bouchard C**, Mollard S, Robert D, Suzuki K, Fortier L (2014) Early life history of the Arctic gadids polar cod (*Boreogadus saida*) and ice cod (*Arctogadus glacialis*). 38th Annual Larval Fish Conference, Québec city, Canada.
9. Robert D, Pepin P, **Bouchard C**, Dower JF, Falardeau M, Fortier L, Jenkins GP, Leclerc V, Levesque K, Llopiz JK, Meekan MG, Murphy HM, Ringuette M, Sirois P, Sponaugle S (2014) A multi-species analysis of variability in the link between feeding success and growth during the larval stage of fish: implications for the existence of a critical period. Johan Hjort Symposium on recruitment dynamics and stock variability, Bergen, Norway.
8. **Bouchard C**, Mollard S, Robert D, Suzuki K, Fortier L (2014) Compared early life history of sympatric *Boreogadus saida* and *Arctogadus glacialis* in southeastern Beaufort Sea. ESSAS Annual Science Meeting, Copenhagen, Denmark.
7. **Bouchard C**, Fortier L (2013) Morue arctique et changements climatiques: ce que 20 ans d'écologie larvaire nous ont appris. 81e Congrès de l'Acfas, Québec, Canada.
6. **Bouchard C**, Fortier L (2012) Early survival in frozen seas: synthesis of the factors influencing survival of polar cod (*Boreogadus saida*) larvae and juveniles. ArcticNet Annual Scientific Meeting, Vancouver, Canada.
5. Nelson RJ, **Bouchard C**, Majewski A, Madsen M, Reist J, Fortier L, Christiansen JS, Fevolden S-E, Talbot SL, Crawford R, Archambault D, Siferd T, Pálsson S, Rose G, Dunton K, Dick T, Divoky G, Puckett S, Sandwith Z (2012) Circumpolar genetic population structure of the Arctic cod *Boreogadus saida*. ArcticNet Annual Scientific Meeting, Vancouver, Canada.

4. Robert D, **Bouchard C**, Suzuki KW, Lafrance P, Fortier L (2012) Species identification and comparative trophic ecology of the two Arctic gadoids *Boreogadus saida* and *Arctogadus glacialis*. 36th Annual Larval Fish Conference, Osøyro, Norway.
3. **Bouchard C**, Fortier L (2010) Polar cod hatching season around the Arctic: influence of freshwater. IPY Science Conference, Oslo, Norway.
2. Fortier L, **Bouchard C**, Madsen M, Sirois P (2009) Circumpolar comparison of the hatching season of polar cod (*Boreogadus saida*): a test of the freshwater hypothesis. Arctic Frontiers Conference, Tromsø, Norway.
1. **Bouchard C**, Fortier L (2008) Laptev Sea polynyas and the hatching season, early growth and survival of polar cod (*Boreogadus saida*). SCAR/IASC IPY Open Science Conference, St. Peterburg, Russia.

b) Posters (last 5 years)

6. **Bouchard C**, Labansen A, Mosbech A, Watt C, Yurkowski D, Madsen E, Merkel FR, Grønvold H, Andreassen H, Christiansen H, Falk K, Lyng-Petersen K, Ogawa M, Bergsma M, Steiner N, Dahl PE, Farnole P, Løvstrøm S, Post S, Jansen J (2023) Co-learning about eqalugaq/uuvaq/uugaq in Kalaallit Nunaat and Inuit Nunangat. ArcticNet Annual Scientific Meeting, Iqaluit, Canada
5. Klasmeier A, **Bouchard C**, Berge J (2022) Feeding ecology of larval polar cod (*Boreogadus saida*) in the Greenland Sea. 9th Norwegian Environmental Toxicology Symposium. Tromsø, Norway.
4. Caissy P, **Bouchard C**, Maps F, Fortier L (2021) Impact of early sea-ice breakup on polar cod feeding success in the Canadian Arctic. Québec-Océan Annual Meeting. Virtual conference. **1st price from the jury, 1st price from the public.**
3. Caissy P, **Bouchard C**, Maps F, Fortier L (2020) Impact of early sea-ice breakup on polar cod feeding success in the Canadian Arctic. Arctic Change 2020. Virtual conference. **1st price, marine sciences.**
2. **Bouchard C**, Fortier L (2019) *Calanus glacialis* and the feeding success of young polar cod : A circumpolar synthesis. ArcticNet Annual Scientific Meeting, Halifax, Canada.
1. de Carufel V, **Bouchard C**, Nozais C, Grønkjær P, Robert D. (2019) Larval ecology of northern sand lance in West Greenland. 43th Annual Larval Fish Conference. Palma de Majorca, Spain.

SUPERVISION AND CO-SUPERVISION OF STUDENTS

a) PhD Thesis

19. Haley Carlton, 2022- (Oregon State University, supervised by Lorenzo Ciannelli) Zooplankton assemblages of Inglefield and Sermilik fjords, Greenland. Two-week internship at Pinnngortitaleriffik, Nuuk.
18. Sarah Schembri, 2016-2022 (Université Laval, supervised by Frédéric Maps) Biodiversity, distribution and biomass of zooplankton and fish in Hudson Bay.

b) MSc Theses

17. Myrthe Bergsma, 2023- (Université de Wageningen, supervised by Reindert Nijland), *Diet of ringed seals in Uummannaq Kangerlua*. Three-month internship at Pinngortitaleriffik, Nuuk.
16. Apasiri Klasmeier, 2021- (Pinngortitaleriffik/University of Tromsø, supervised by Jørgen Berge) Diet and food preference of age-0 fish in the Greenland Sea in 2017. Six-month internship at Pinngortitaleriffik, Nuuk.
15. Pascale Caissy, 2019-2022 (Université Laval, supervised by Frédéric Maps) Ice breakup, diet, and feeding success of larval polar cod. Internship at Pinngortitaleriffik cancelled due to the pandemic.
14. Valérie de Carufel, 2018-2022 (Université du Québec à Rimouski, supervised by Dominique Robert) Larval ecology of northern sand lance in West Greenland. Six-month internship at Pinngortitaleriffik, Nuuk.

c) Master Degrees

13. Maria Risager Nielsen, 2022-2023 (Aalborg University, supervised by Rikke Becker Jacobsen) *The impacts of climate change on youth's place attachment: a case study of Tasiilaq, East Greenland*.
12. Marie-Louise Leppert, 2022-2023 (Aalborg University, supervised by Rikke Becker Jacobsen) *The impacts of climate change on youth's place attachment: a case study of Tasiilaq, East Greenland*.
11. Ditte Asmussen Christiansen, 2021-2022 (Aarhus University, supervised by Peter Grønkjær) Diet composition of polar cod (*Boreogadus saida*) in Baffin Bay and Davis Strait (August-September 2020). Two-month internship at Pinngortitaleriffik, Nuuk.
10. Agathe Charbogne, 2020-2021 (Pinngortitaleriffik) Spatial distribution of fish larvae in West Greenland fjords in the summer 2019. Ten-month internship at Pinngortitaleriffik, Nuuk.
9. Fanny Cusset, 2016 (Université Laval, supervised by Louis Fortier) Otolith growth in larval Arctic cod in the Canadian Arctic Archipelago.
8. Salomé Mollard, 2015 (Université Laval, supervised by Louis Fortier) Diet of larval Arctic cod and polar cod in the Canadian Beaufort Sea.

d) Honours Theses and internships

7. Jacob Yves, 2023 (Pinngortitaleriffik) Age and length structure of polar cod population in Baffin Bay. Two-month internship at Pinngortitaleriffik, Nuuk.
6. Hannah Felicitas Kuhn, 2022 (Pinngortitaleriffik) Ichthyoplankton of Disko Bay, Davis Strait and Baffin Bay in 2022. Three-month internship at Pinngortitaleriffik, Nuuk.
5. Fabienne Baumgartner, 2019 (Pinngortitaleriffik) Ichthyoplankton assemblages in West Greenland fjords, first results from ATKA. Six-month internship at Pinngortitaleriffik, Nuuk.
4. Tatyana Bouffard-Martel, 2017 (Pinngortitaleriffik) Influence of water temperature on the size of sand lance larvae. One-month internship at Pinngortitaleriffik, Nuuk.
3. Ariane Aspirault, 2014 (Université Laval, supervised by Louis Fortier) Inter-seas comparison of the diet of Arctic cod early life stages.

2. Marianne Caouette, 2014 (Université Laval, supervised by Louis Fortier) Otolith growth in larval Arctic cod.
1. Joël Fortin-Mongeau, 2014 (Université Laval, supervised by Louis Fortier) Diet of Arctic cod early life stages in the Canadian Beaufort Sea.

SERVICE ON THESIS COMMITTEES

Jordan Sutton, 2021-2022 (Memorial University of Newfoundland, supervised by Maxime Geoffroy), Phenology and growth of rainbow smelt (*Osmerus mordax*) in Lake Melville, Labrador, under increasing pressure from climate change and anthropogenic activities.

Jennifer L. Herbig, 2020- (Memorial University of Newfoundland, supervised by Maxime Geoffroy) Boon or Bane? Arctic cod ecology in a changing Canadian Arctic.

TEACHING EXPERIENCE

2022	Guest lecturer <i>The Anthropocene in the Arctic</i> , University of Greenland (Ilisimatusarfik)
2017 –2023	Lecturer, Arctic Marine Ecosystems, Greenland Institute of Natural Resources
2014	Teaching Assistant, Fisheries Ecology, University of Iceland
2009 – 2012	Teaching Assistant, Physical Oceanography, Université Laval

COMMUNITY AND PARTICIPATORY RESEARCH ACTIVITIES

- 2023 Organization of a community research project in Ittoqqortoormiit, 1 wk.
- 2023 Continuation of the community research project in Uummannaq, 1 week
- 2022 Organization of a community research project in Uummannaq, 1 wk.
- 2022 Organization of an expedition to Greenland on the sailboat Mauritius in collaboration with Fondation Pacifique
- 2021 Organization of an expedition to Greenland on the sailboat Atlas in collaboration with Expedition Glacialis
- 2019 Organization of an expedition to Greenland on the sailboat ATKA in collaboration with the Swiss Polar Institute

OCEANOGRAPHIC CRUISES

- 2022 SV *Kamak*, Scoresby Fjord, 1 wk
- 2020 R/V *Dana*, Davis Strait and Baffin Bay, 3 wks
- 2018 R/V *Sanna*, Uummannaq Fjord, 2 wks
- 2017 R/V *Dana*, Northeast Greenland, 3 wks
- 2017 F/V *Finnur Friði*, Southeast Greenland, 3 wks
- 2017 R/V *Sanna*, Disko Bay, 1 wk

- 2016 CCGS *Amundsen*, ArcticNet, Canadian Arctic, team leader, 6 wks
- 2015 CCGS *Amundsen*, ArcticNet, Canadian Arctic, team leader, 6 wks
- 2011 CCGS *Amundsen*, ArcticNet, Canadian Arctic, 6 wks
- 2010 CCGS *Amundsen*, ArcticNet, Canadian Arctic, 2 wks
- 2009 I/B *Kapitan Dranitsyn*, NABOS, Siberian Arctic, team leader, 4 wks
- 2009 CCGS *Pierre Radisson*, ArcticNet, Hudson Bay, team leader, 2 wks
- 2008 CCGS *Amundsen*, Canadian Arctic, team leader, 6 wks
- 2007 R/V *Victor Buynitskiy*, NABOS, Siberian Arctic, team leader, 4 wks
- 2005 I/B *Kapitan Dranitsyn*, NABOS, Siberian Arctic, team leader, 4 wks
- 2004 I/B *Kapitan Dranitsyn*, NABOS, Siberian Arctic, 4 wks

ADDITIONAL TRAINING

- 2023 **Course** *Introduction to University Pedagogy*, University of Copenhagen (Københavns Universitet), ECTS: 3.
- 2023 MOOC « Je suis tuteur dans l'enseignement supérieur », Ministère français de l'enseignement supérieur et de la recherche, online
- 2023 MOOC *Leaders of Learning*, Université Harvard, online
- 2023 **Workshop** *Inclusion of local knowledge / user knowledge in resource management in Greenland*, organised by H2020 project CAPARDUS, University of Greenland.
- 2022 **Workshop on how to be a good chief scientist**, organised by Québec-Océan, online.
- 2021 **Workshop on interdisciplinary collaboration**, organised by Sentinelle Nord and les Chantiers d'avenir, online.
- 2021 **Data visualization course**, *An Introduction to Making Graphs and Maps for Biologists using R, GIS in Ecology*, online. Teacher: Colin MacLoad.
- 2021 **Scientific communication workshop**, *How to communicate your research – and how to collaborate with the media*, Nuuk, organised by Arctic Hub and Denmark's leading popular science media, Videnskab.dk
- 2018 **MOOC Northern Quebec: Issues, Spaces and Cultures**, Université Laval, Institut nordique du Québec, Professor: Thierry Rodon
- 2017 **Echoview Training Course**, Halifax. Acoustic theory and data analyses. Teacher: Toby Jarvis.
- 2012 **Research Internship in Population Genetic**, University of Victoria, Supervisor: R. John Nelson
- 2011 **Ice-based Fieldwork**, Saguenay Fjord, Project SAGWIN, Supervisor: Daniel Bourgault
- 2011 **Arctic Ichthyoplankton Taxonomy** for University of Alaska Fairbanks, PI: Brenda Norcross
- 2010 **Research Internship in Otolith Microchemistry (LA-ICPMS)**, Woods Hole Oceanographic Institution, Supervisor: Simon Thorrold

- 2009 **Otolith Microchemistry (LA-ICPMS)**, Université du Québec à Chicoutimi, Supervisor: Pascal Sirois
- 2008 **Research Internship in Population Genetic**, University of Tromsø, Supervisors: Svein-Erik Fevolden, Jørgen S. Christiansen
- 2008 **Experimental Rearing of Arctic Cod Larvae** onboard CCGS *Amundsen*
- 2007 **Scientific Diver**, Bamfield Marine Sciences Centre, BC, Canada

OTHER RELEVANT EXPERIENCES

- 2022 Chair of session on Fish and fisheries in the Canadian Arctic and beyond, ArcticNet Annual Scientific Meeting, Toronto, Canada.
- 2022 Organizer of a prey identification workshop for seabirds, marine mammals and Greenland halibut, Nuuk, Greenland.
- 2021– Associate Editor, Arctic Science.
- 2021 Member of the Advisory Council for the implementation of a new Biology Bachelor Program in Greenland.
- 2021 Chair of session on Sailboats as Research Platforms, ArcticNet Annual Scientific Meeting. Virtual conference.
- 2021 Guest Editor, Elementa: Science of the Anthropocene (Special Feature: Four Decades of Arctic Climate Change: a Tribute to Louis Fortier).
- 2020 Chair of session on Greenland Marine Ecosystems, Arctic Change 2020. Virtual conference.
- 2019 Guest Editor, Polar Biology (Special Issue: Arctic Gadids in a Changing Climate)
- 2019 Poster Judge, ArcticNet Annual Scientific Meeting. Halifax, Canada.
- 2018– Member of ESSAS (Ecosystem Studies of Subarctic and Arctic Seas) Scientific Steering Committee.
- 2018 Co-chair of session on Biology, Ecology and Paleoecology of Arctic gadids, ESSAS Annual Scientific Meeting, Fairbanks, USA.
- 2017 Organizer of MaNuukScript: Scientific Writing Workshop, Nuuk, Greenland.
- 2016 Chair of session on Arctic Fish and Fisheries, ArcticNet Annual Scientific Meeting, Winnipeg, Canada.
- 2015 Chair of session on Kitikmeot Region Ecosystems, ArcticNet Annual Scientific Meeting, Vancouver, Canada.
- 2012 Co-chair of session on Arctic Marine Ecosystems, ArcticNet Annual Scientific Meeting Vancouver, Canada.

SCIENTIFIC REVIEW ACTIVITIES

Grant applications:

North Pacific Research Board (2)

Canada Foundation for Innovation (1)

Manuscripts:

Polar Biology (18)

Progress in Oceanography (2)

Fisheries Research (4)

Journal of Plankton Research (1)

Estuarine, Coastal and Shelf Science (1)

Deep-Sea Research Part II (3)

Elementa: Science of the Anthropocene (1)

ICES Journal of Marine Science (2)

Marine Environmental Research (1)

Environmental Pollution (3)

Frontiers in Marine Science (1)

Global Change Biology (1)

Limnology and Oceanography (1)

VertigO (1)

OUTREACH

- 2023 Outreach event during the Greenland Science Week. Understanding Ocean Changes: Climate, Environment, and Life. Nuuk Center, Nuuk (7 November).
- 2023 Animation at the Greenland Institute of Natural Resources for Nuuk elementary schools students (23 October).
- 2023 Development of an educational fact sheet on polar cod for Greenlandia, for French classes CM1 to 4th (18 September)
- 2023 Meeting with Denis Robert, Canada's Ambassador to the Kingdom of Denmark to discuss scientific collaboration between Canada and Greenland, Nuuk (25 May).
- 2023 Scientific consultation for article on climate change in Greenland in French newspaper Libération (17 May).
- 2023 Lecture and animation the Greenland Institute of Natural Resources for students of Collège Le Vallon, Autun and Kangillinnuit School, Nuuk, in an Erasmus Youth Exchange <https://natur.gl/year/203/fransk-besoeg-i-huset/> (3 March).
- 2023 Guest for the panel discussion *De Jean-Baptiste Charcot à aujourd'hui: comprendre l'impact du dérèglement climatique*, Boulogne-Billancourt, France (9 February).
- 2023 Meeting with Anna Bretzlaff, political counsellor, Embassy of Canada to Denmark, to discuss scientific collaboration between Canada and Greenland, Nuuk (7 February).
- 2022 Organization of popular photo contest Science Around Us, exhibition of winning entries in Nuuk and virtual exhibition <https://natur.gl/year/2022/foto-udstilling/> (20 December).
- 2022 Lecture at École secondaire Toronto-Ouest, virtual activity for Greenlandia (in French, 3 May).
- 2022 Scientific consultation for the film *Ice* of the wildlife documentary series *Evolution Earth*, Passion Picture Ltd., London, UK (31 March).
- 2021 Scientific consultation for teaching project on Greenland fjord ecosystems lead by Lars Demant-Poort, Assistant Professor, University of Greenland.

- 2021 Meeting with Marie Sauer-Johansen, Political and Public Affairs Officer, Embassy of Canada to Denmark, to discuss scientific collaboration between Canada and Greenland, Nuuk (3 November).
- 2021 Lecture and animation in a Biology class at GUX High School, Nuuk (28 October).
- 2021 Scientific consultation for bachelor project of Alyssa Schnell, Grand Valley State University, Michigan, USA.
- 2021 Scientific consultation for bachelor project of Reka Veress, University of Portsmouth, UK.
- 2021 Animation at the Greenland Institute of Natural Resources for Sisimiut High school students. <https://natur.gl/year/2021/det-er-et-udbytterigt-praktiksted/>
- 2021 Scientific consultation for Greenlandia social media www.facebook.com/Greenlandia.Expedition
- 2020 Scientific consultation for children's comic books series *Aulka et Barlo au Kalaallit Nunaat* <https://atka.fr/produit/aulka-et-barlo-ep-1-a-6/>
- 2020 Guest speaker for *Exploring By The Seat of Your Pant*. Educational non-profit organization connecting scientists, explorers and conservation groups with kids through digital learning sessions (24 February).
- 2017 Animation at the Greenland Institute of Natural Resources during the Culture Night (Kulturnat).
- 2015 Public lecture at Quebec Maritime Museum (in French, Musée Maritime du Québec).
- 2014 Scientific consultation for children's book *Oli's Ocean Adventures* by CarolAnne Black.
- 2013 Presentation to stakeholders from the National Power Company of Iceland (Landsvirkjun) *Environmental Effects of a Submarine Interconnector Between Iceland and the UK*. University of Iceland, Reykjavík, Iceland.

MEDIA REPORTS

- 2023 Article on the web portal Mongabay, *Record North Atlantic heat sees phytoplankton decline, fish shift to Arctic*, <https://news.mongabay.com/2023/10/record-north-atlantic-heat-sees-phytoplankton-decline-fish-shift-to-arctic/> (12 October)
- 2023 Article in newspaper Le Journal de Montréal, *Face au réchauffement climatique, le monde des Inuits fond comme neige au soleil*, <https://www.journaldemontreal.com/2023/10/04/face-au-rechauffement-climatique-le-monde-des-inuits-fond-comme-neige-au-soleil?fbclid=IwAR0hZxAdFkQuNU7aY92eyEIPBdQvEZ5obThBtTshJuYkxf3c8k55MNmD-FM> (4 October)
- 2023 Article on the web site of TV5Monde, *Au Groenland, l'univers inuit fond comme peau de chagrin*, https://information.tv5monde.com/international/au-groenland-lunivers-inuit-fond-comme-peau-de-chagrin-2669983?fbclid=IwAR2dPDT8Qq-oFoBH1TgQvN9apDR6nCZc2PEH_Roy9go5PywJqFPLSgy6-kg (4 October)
- 2023 Article, France24, *Greenland's Inuit falling through thin ice of climate change*, <https://www.france24.com/en/live-news/20231004-greenland-s-inuit-falling-through-thin-ice-of-climate-change> (4 October)

- 2023 Video reportage, TV5Monde, *Groenland : Un voilier laboratoire pour étudier le réchauffement*. <https://www.youtube.com/watch?v=6ByfVyO6HU8> (17 September)
- 2023 Video reportage, Le Parisien, *Algues rouges, produits chimiques, réchauffement... au Groenland, la fonte des glaces s'accélère*. <https://www.youtube.com/watch?v=J3tTcMfqT5I> (14 September)
- 2023 Video reportage, Agence France-Presse, *Groenland: dans le plus grand Fjord du monde, « laboratoire du changement climatique »*. <https://www.youtube.com/watch?v=szFAxKNzX8E> (14 September)
- 2023 Article on the web site of Oceans North Kalaallit Nunaat. *ONKN support research collaboration between fishers and scientists on Arctic cod* (en kalaallisut, danois et anglais) <https://oceansnorth.gl/en/news/onkn-supports-research-collaboration-between-fishers-and-scientists-on-arctic-cod/> (4 September)
- 2023 Text on web site Women in Polar Science for the project *100 Polar Women* <https://womeninpolarscience.org/100polarwomen/> (3 September)
- 2023 Article in scientific magazine Scientia. *Why understanding how climate change impacts Arctic cod populations matters*. <https://doi.org/10.33548/SCIENTIA929> (31 August)
- 2023 Article in newspaper Le Point. *Une mission scientifique au coeur des plus grands fjords du Groënland, sanctuaire en péril*. https://www.lepoint.fr/monde/une-mission-scientifique-au-coeur-des-plus-grands-fjords-du-groenland-sanctuaire-en-peril-29-08-2023-2533113_24.php?fbclid=IwAR2sERUn0vZUGgEgWwPh7ZOmN8zIBfFKDpD1k-D2Xw24xTPMQaOQ_AGhXSg#11 (29 August)
- 2023 Article in scientific magazine GEO. *Des scientifiques bravent le danger pour étudier l'écosystème du Groenland, en péril face au réchauffement climatique*. <https://www.geo.fr/environnement/des-scientifiques-bravent-le-danger-pour-etudier-lecosysteme-du-groenland-en-peril-face-au-rechauffement-climatique-216368?fbclid=IwAR1Z0Zxzov643uhxHhq6dqisnmrYM4XSLHkGEOt7xclCSiC0BLKorisuSbw> (29 August)
- 2023 Article in newspaper Toronto Star. *Human activity and climate change cause cascading effects for Arctic ecosystem*. https://www.thestar.com/news/canada/human-activity-and-climate-change-cause-cascading-effects-for-arctic-ecosystem/article_0f370b26-2ecc-51cd-8ca8-9fac851ca3f0.html (17 August)
- 2023 Article in newspaper Edmonton Journal. *Climate Change: Consortium of 43 scientists warn of a decline in Arctic cod*. <https://edmontonjournal.com/news/local-news/climate-change-consortium-of-43-scientists-warn-of-a-decline-in-arctic-cod/wcm/771acdf3-880d-49f1-801b-c1a9d40b083d> (15 August)
- 2023 Article in newspaper Saltwire, *Newfoundland scientist leads project to find out if Arctic cod can survive in warming ocean*. <https://www.saltwire.com/halifax/business/newfoundland-scientist-leads-project-to-find-out-if-arctic-cod-can-survive-in-warming-ocean-100881983/> (11 August)
- 2023 Article in newspaper MUN Gazette. *Northern imbalance: Marine Institute leads 43 scientists to sound alarm on climate change consequences on Arctic cod*. <https://gazette.mun.ca/research/northern-imbalance/> (10 August)

- 2023 Article on web site VBIO. *Climate change threatens polar cod populations in the Arctic* (in German). <https://www.vbio.de/aktuelles/details/nachhaltigkeit-klima/klimawandel-bedroht-polardorschbestaende-in-der-arktis> (9 August)
- 2023 Article on web site Informationsdienst Wissenschaft. *Climate change threatens polar cod populations in the Arctic* (in German). <https://idw-online.de/de/news818947> (9 August)
- 2023 Article in newspaper Sermitsiaq. Young people in Tasiilaq are involved in new climate research (in Kalaallisut and Danish). <https://sermitsiaq.ag/unge-i-tasiilaq-i-ny-klimaforskning> (27 July)
- 2023 Article in science magazine Futura. *Groenland: dans le sillage du changement climatique* (no. 2, p. 44-49)
- 2023 Article in newspaper Sermitsiaq. *Greenland's Research Council awards grants for DKK 1.2 million* (in Kalaallisut and Danish) <https://sermitsiaq.ag/groenlands-forskningsraad-uddeler-bevillinger-12-millioner-kroner> (22 May).
- 2023 Article in newspaper Sermitsiaq. *Polar cod is of great importance for the fishery* (in Kalaallisut and Danish) <https://sermitsiaq.e-pages.pub/titles/sermitsiaq/13818/publications/30?voucher=Jt3ygs> (5 April, pages 8-9).
- 2023 Article in science magazine Le Courrier de la Nature. *Changements climatiques : Quels impacts sur la morue polaire en Arctique?* (in French) (n. 336, March).
- 2023 Article in science magazine Hakai. For marine species, hidden divisions abound <https://hakaimagazine.com/news/for-marine-species-hidden-divisions-abound/> (24 February).
- 2022 Radio report and podcast on France Inter, for the program *C'est pas du vent. Greenlandia: sur les traces du changement climatique en Arctique* (in French) <https://www.rfi.fr/fr/podcasts/c-est-pas-du-vent/20220929-greenlandia-sur-les-traces-du-changement-climatique-en-arctique?fbclid=IwAR2ggZXzpK4q4pO5o7Phm94K-yNs3A6at02xt7hRAAXtgCr97tMi3rcZMRE&ref=fb> (29 September).
- 2022 Article in science magazine Sciences et Avenir. *Au Groenland, l'état de santé des morues arctiques inquiète* (in French) https://www.sciencesetavenir.fr/animaux/animaux-marins/reportage-au-groenland-l-etat-de-sante-des-morues-arctiques-inquiete_166561?fbclid=IwAR2bis5_JA797-GhjIN12ro3nXGwkWzCO6jr1daJZWHY0iV0dWo0bHW6vi0 (23 September).
- 2022 Article in newspaper Sermitsiaq. *Small fish can threaten the polar bear* (in Kalaallisut and Danish) <https://sermitsiaq.ag/lille-fisk-kan-true-isbjoernen> (20 September).
- 2022 Article in science magazine ScienceNordic. *No polar cod – no polar bears?* <https://sciencenordic.com/arctic-ocean-climate-change/no-polar-cod-no-polar-bears/2074327> (15 September).
- 2022 Article in newspaper Le Monde. *Le plus grand fjord du monde sous le feu des projecteurs* (in French) https://www.lemonde.fr/sciences/article/2022/09/12/le-plus-grand-fjord-du-monde-sous-le-feu-des-projecteurs_6141290_1650684.html?fbclid=IwAR1lmMAw62ONGfjSBBq2NnfZ16Ehv_xDOWAeo47NfsrjZH-hA_2KH5E5ym8 (12 September).
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LANGUAGES

French: native

English: fluent

Kalaallisut: beginner

Danish (reading): CEFR level B2 (upper intermediate)